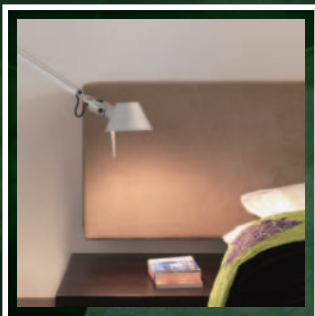




**PRODUCT CATALOGUE
AIR CONDITIONERS LINEUP**



OUR SOLUTION for LIFE

Fujitsu General creates high-quality and environmentally-friendly products that provide good comfort in accordance with our basic policy to a "create comfortable environment" by utilizing the air conditioning technology and creativity we have fostered over many years.

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- GLOBAL BUSINESS ACTIVITIES
- PROJECT REFERENCE
- GLOBAL DEVELOPMENT & PRODUCTION BASES
- HIGH QUALITY DEVELOPMENT & PRODUCTION FACILITIES

018 CORE TECHNOLOGY

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- Energy Saving Control
- Comfort Performance
- Easy-to-use Control
- Quiet and Comfort Control

PRODUCT CATEGORY

030 SPLIT

- INVERTER Split All Type Lineup
- CONSTANT SPEED Split All Type Lineup
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- INVERTER: Common Models
- CONSTANT SPEED: Models by Country
- CONSTANT SPEED: Common Models
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OUR MESSAGE

INNOVATION & GLOBALIZATION

Providing a Brand New Tomorrow to
Everyone on Earth

- 006 History
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- 014 Global Development & Production Bases
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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.

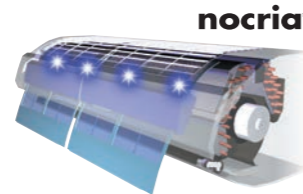
WORLD'S FIRST *1,*2 **1991** Air conditioner with the world's first lambda heat exchanger

1994 Air conditioner with the world's first power diffuser

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



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



2004 Standalone type small VRF AIRSTAGE™ J Series is released.



2006 VRF Heat Pump type Maximum 42 HP AIRSTAGE™ V Series is released.



2009 Heat Pump Modular type Maximum 48 HP AIRSTAGE™ V-II Series is released.



2009 Air to Water system is released.

For Light Commercial

2011 High energy saving type AIRSTAGE™ J-II Series is released.



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

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

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



WORLD'S FIRST *4

2019 New cassette style released. 3D Flow Cassette

For Commercial

2012 Heat Recovery Modular type AIRSTAGE™ VR-II Maximum 48 HP is released.

2014-15 Heat Pump Modular type AIRSTAGE™ V-III Maximum 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 nocría™ X is released.

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



WORLD'S FIRST *5

REFRIGERANT R32
KX Series
nocría X

For Light Commercial

Small & lightweight outdoor unit AIRSTAGE™ J-IVL, J-IV, J-IVS outdoor units released.



AIRSTAGE™ Air Handling unit released.

For Commercial

Heat Recovery Modular type AIRSTAGE™ VR-IV Maximum 48 HP is released.



For Residential

REFRIGERANT R32
KE Series



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

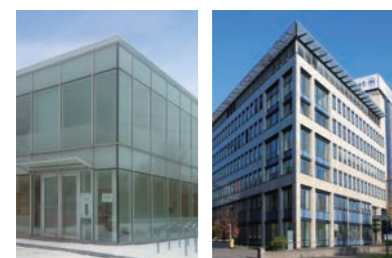


2020 Construction of Manufacturing That Utilizes the IoT:

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

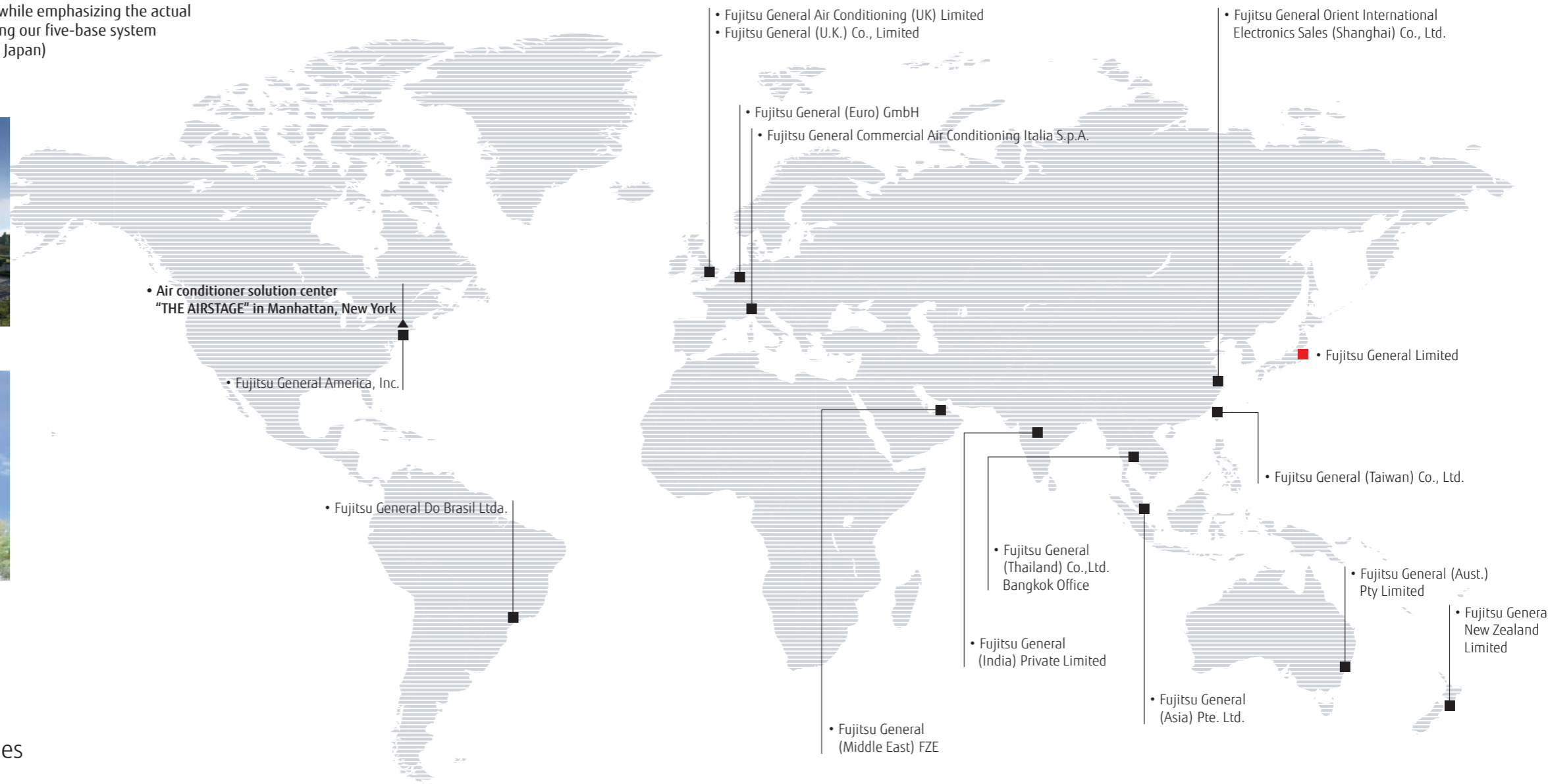
Promoting Globalization from a global perspective while emphasizing the actual local situation in the field under the aim of advancing our five-base system (Europe, Middle East, Asia & Oceania, America, and Japan)



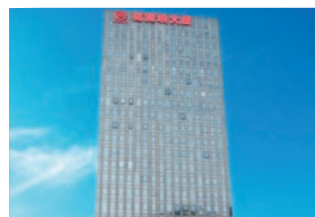
JAPAN Head Office



New Technology Research Building (Japan)



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 (Aust.) Pty Ltd. (Australia)



Fujitsu General New Zealand Ltd. (New Zealand)



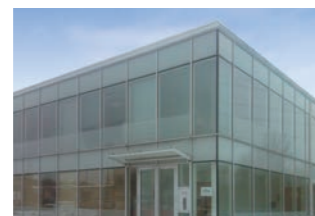
Fujitsu General (Middle East) FZE (U.A.E.)



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



Fujitsu General (EURO) GmbH (Germany)



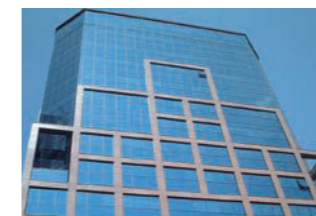
Fujitsu General (U.K.) Co., Ltd. (U.K.)



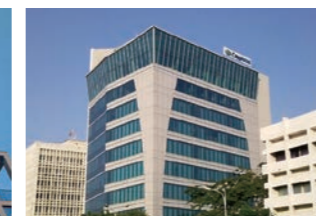
Fujitsu General Air Conditioning (UK) Limited (U.K.)



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



Fujitsu General Do Brasil Ltda.(Brasil)



Fujitsu General (India) Private Limited

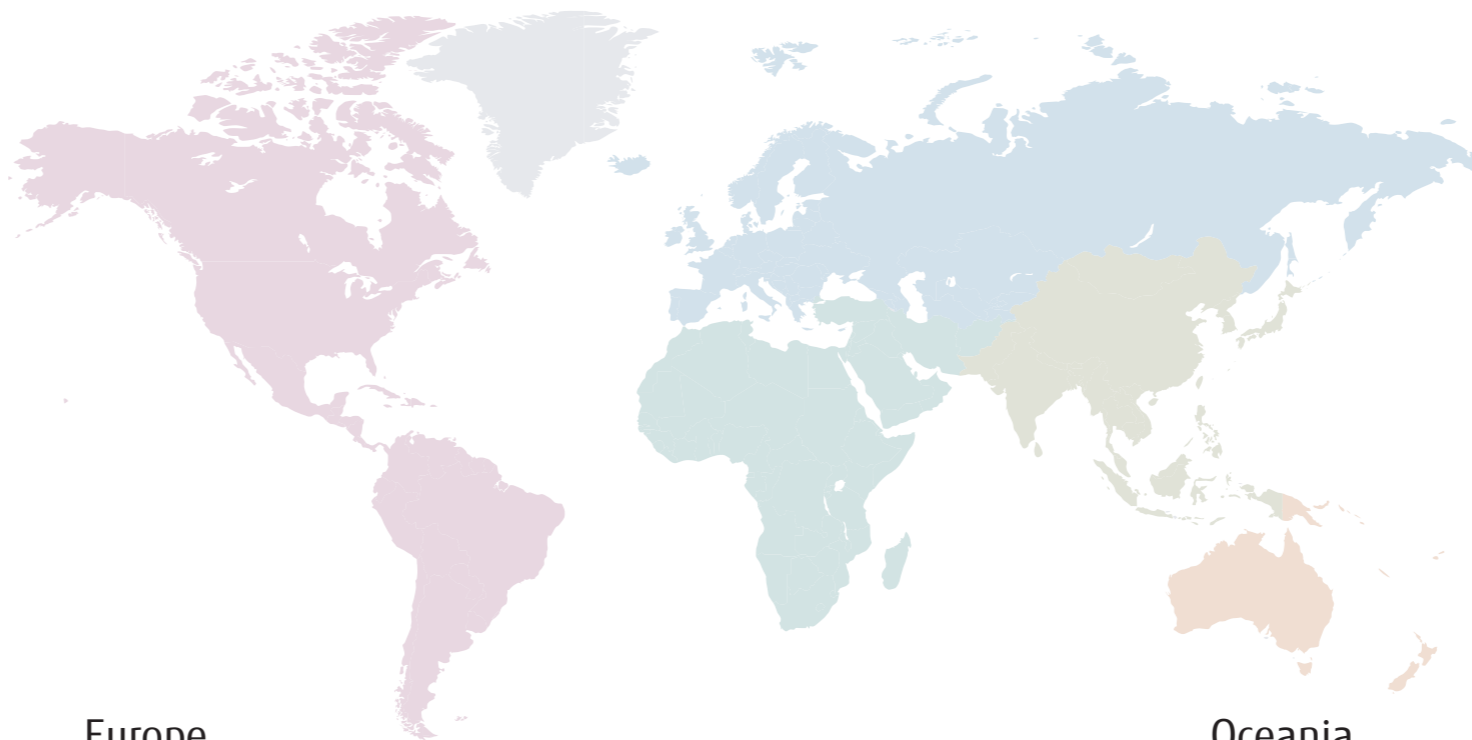


Fujitsu General America, Inc. (U.S.A.)



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 Brasil



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 EQUIPAMENTODE 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



GOOD DESIGN

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.



Project Reference



Our product is popular because of its high quality, energy saving, and easy installation, and so has been installed in a wide range of building types including high-rise office buildings, stores, hotels, public facilities, schools, hospitals and residential.

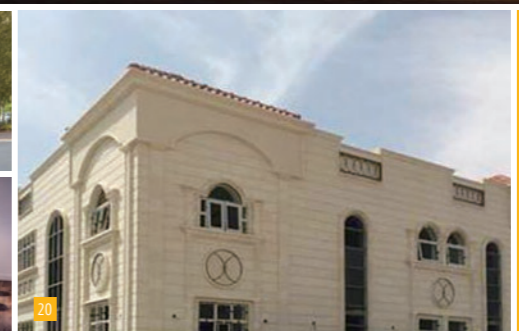
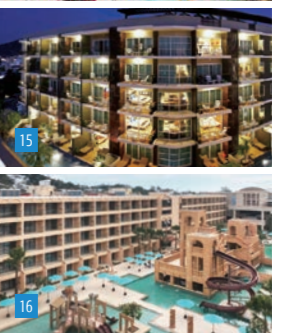


- For Light Commercial**
- 1 Shop in Europe
 - 2 Shop in Europe
 - 3 Museum in Middle East
 - 4 Restaurant in Middle East
 - 5 School in U.S.A.
 - 6 Hotel in Oceania
 - 7 Hospital in Asia
 - 8 Shop in Asia
 - 9 School in Asia



- For Commercial**
- 10 Office in Europe
 - 11 Office in Europe
 - 12 Office in Europe
 - 13 Office in Asia
 - 14 Hospital in Asia
 - 15 Hotel in Asia
 - 16 Hotel in Asia

Fujitsu General's Products have been installed in over 50 countries worldwide.



- For Residential**
- 17 Residential in Europe
 - 18 Residential in Europe
 - 19 Residential in Oceania
 - 20 Residential in Middle East



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)



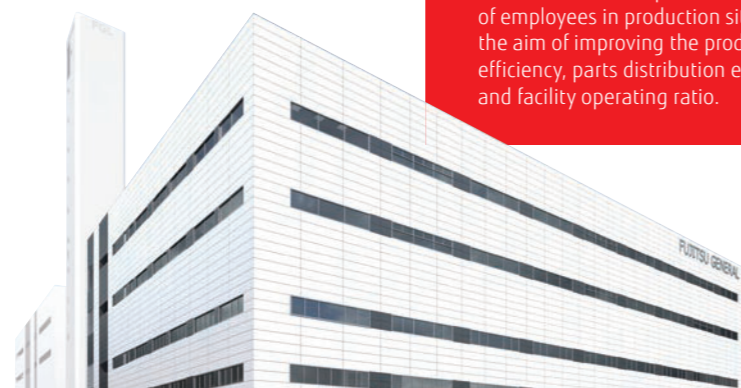
JAPAN Head Office, R&D Center and 60 m Height Difference Testing Tower (Japan)



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.

Technology Research Building in Japan Head Office



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

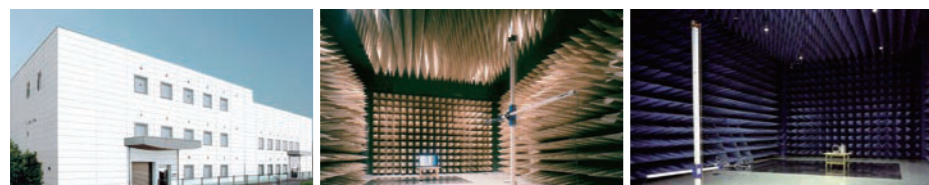
Vibration testing



Technology Research Building in Japan Head Office

Testing Laboratory

Fujitsu General EMC Laboratory Limited



60 m Height Difference Testing Tower

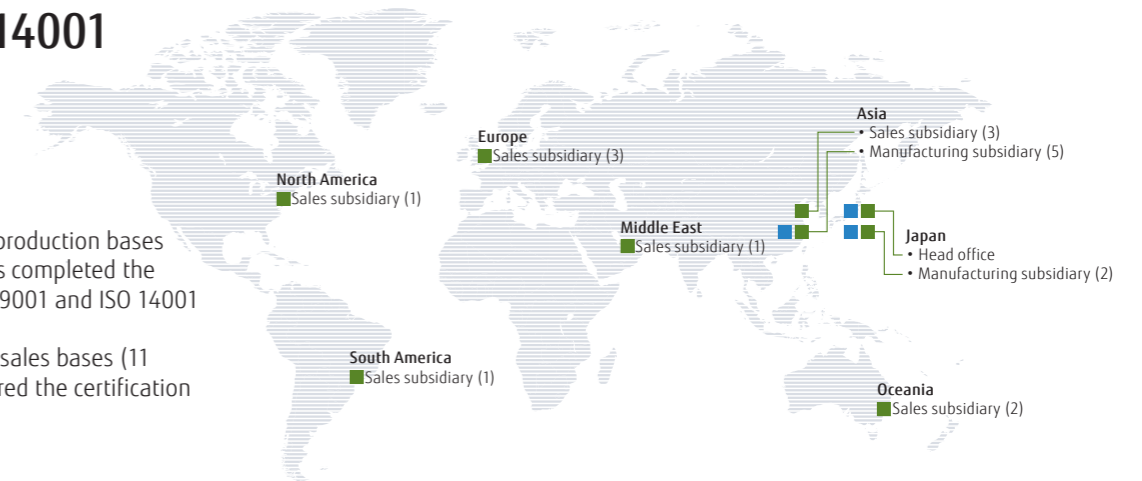
Objective is to confirm oil circulation of compressor for reliability



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

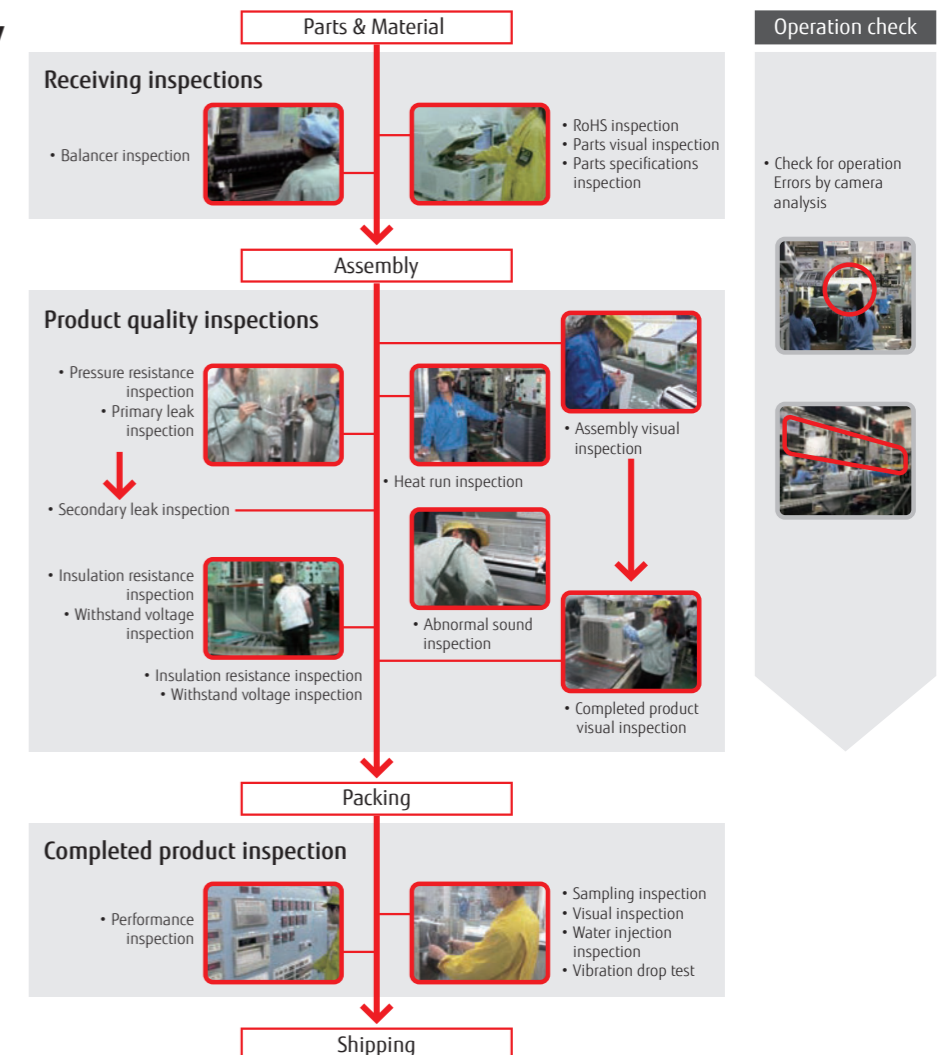
All Fujitsu General factories have acquired ISO 9001, and have built a quality control system common around the world. High quality products are offered to all over the world based on stringent quality inspections.

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.



CORE TECHNOLOGY

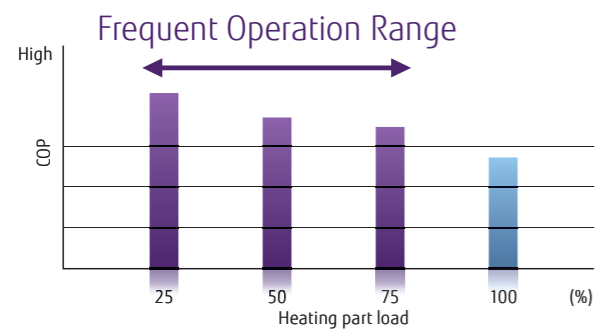
Our advanced technology is providing comfort in a wide variety of situations from residential applications to commercial use.

- 020 High Efficiency
- 022 Energy Saving Control
- 024 Comfort Performance
- 026 Easy-to-use Control
- 028 Quiet and Comfort Control
- 029 Feature Explanation

High Efficiency

Pursuit of Seasonal Efficiency

Over 90% of actual operation time, air conditioners are operated at partial capacity instead of rated capacity. We focused on high seasonal efficiency by all DC inverter control and high efficiency technology.

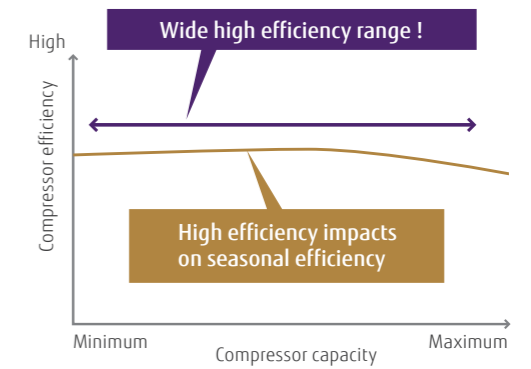
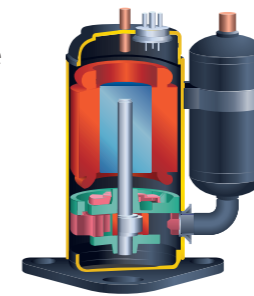


DC Twin Rotary Compressor

All DC Inverter Technology

ALL DC DC twin rotary compressor

The high efficiency DC inverter type "2-cylinder rotary compressor" is used for our product ranges. It has achieved higher energy efficiency compared with similar compressors by optimizing the structure inside the compressor.



DC fan motor

DC fan motor produces high power, wide operation range, and high efficiency.



Sine-wave DC inverter control

High efficiency operation is realized by using a sine wave DC inverter control.



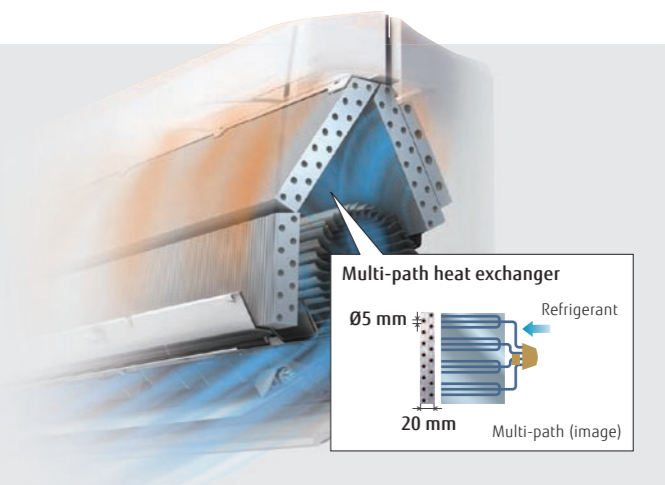
Heat Exchanger for Wall Mounted

High density multi-path heat exchanger

Heat exchange performance is substantially improved by thin and high-density heat exchanger and multi-path efficiency technology.

High performance sub-cool heat exchanger

Higher performance achieved by mounting of counter type bypass circuit. (Large multi-split type, VRF)



High Energy Saving

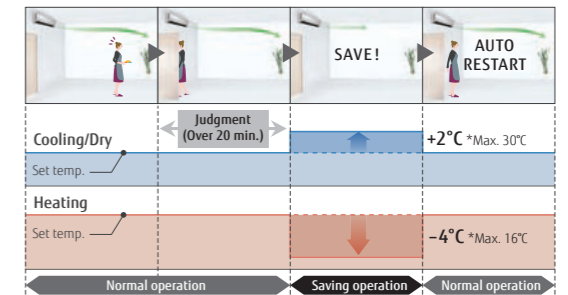


Smart Operation



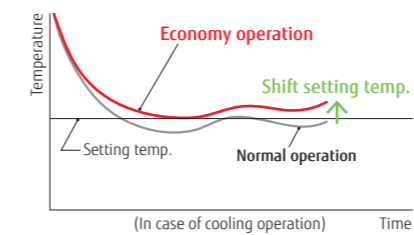
Human sensor control

Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



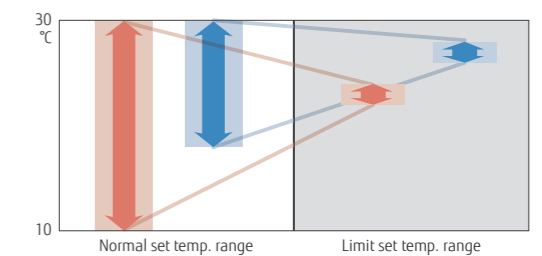
Economy operation

Limits the maximum operation current, and the power consumption is cut down and the maximum load is suppressed.



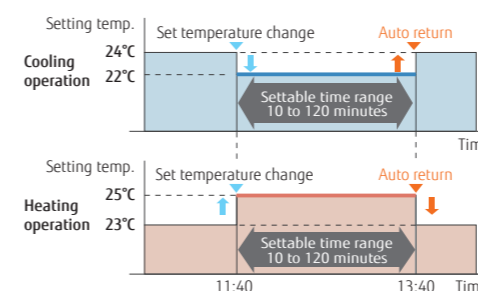
Room temperature set point limitation

The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



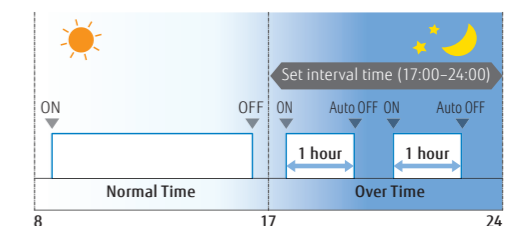
Set temperature auto return

- The setting temperature automatically returns to the previous setting temperature.
- The time range in which the set temperature can be changed is 10 to 120 minutes.



Auto-off timer

- The indoor unit is turned off automatically when it reaches to the preset operating time frame.
- The time frame of the "Auto off timer" can be flexibly scheduled.
- Off time can be set from 30 to 240 minutes.



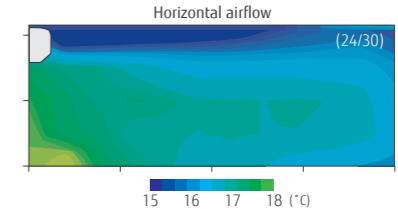
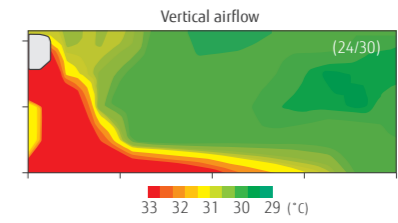
More Comfort



Quick Comfort

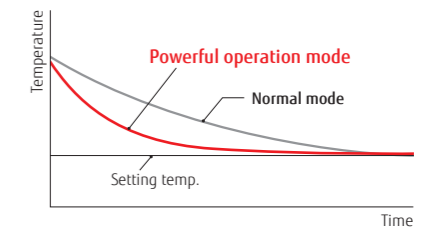
Power diffuser

Precision wind direction control is realized and ventilation efficiency is also improved by 3 technologies. Our airflow control makes your environment more comfortable.



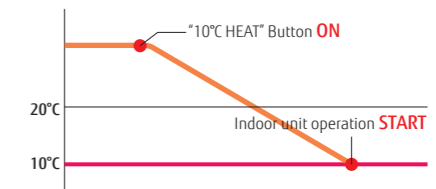
Powerful operation

Continuous operation by maximum airflow and maximum compressor speed after a certain period of time allows the temperature to reach the setting temperature quickly.



10°C Heat operation

When you leave, minimum heating operation is performed to maintain the room temperature. (Maintained at 10°C)



Uniform air conditioning

Circular airflow to achieve uniform air conditioning without temperature unevenness in workspaces

Easy-to-use Control



Fujitsu General provides Online Control (Adopting Wireless LAN Interface)


By using our Wireless LAN Interface and FGLair app, you can control your home's cooling and heating anytime and anywhere.



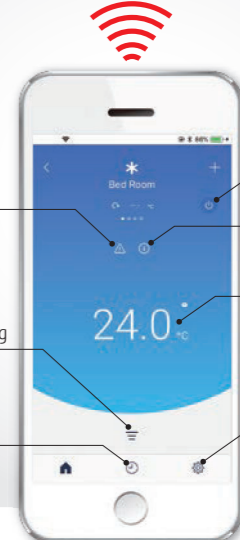
Wireless LAN Interface
The exclusive Wi-Fi adaptor enables to operate the air conditioner by smartphone or tablet PC from outside.

+

Download Free


User friendly app
User friendly screen display facilitates easy operation.



- ON / OFF
- Special state
- Temperature setting
- Setting
- Timer
- Operation setting, Economy setting, Maintenance setting
- Error notification

Various Easy-to-use Controllers

Fujitsu General is using ergonomics to expand the use of easy-to-use designs such as easy-to-read large LCD panels, easy-to-operate buttons, and displays with easily recognizable icons.

The individual controllers match the user operational environments, and the home controller makes batch energy saving management easy. Ease of use was pursued using simple operation buttons, a large LCD screen, and other features.

Residential use



Home central control



Central Remote Controller

Simple individual control



Wired Remote Controller



Simple Remote Controller



NEW Wired Remote Controller



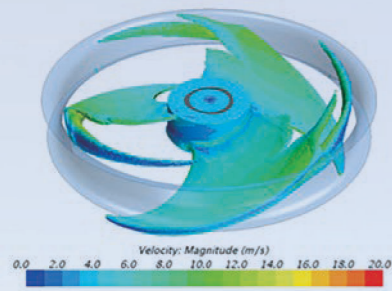
Slim Wireless Remote Controller

Quiet and Comfort Control

Low Noise Technology

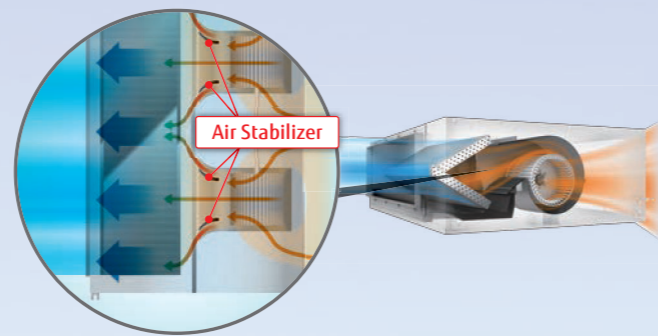
Outdoor unit Fan

Outdoor unit fan design with little separation vortex, fan control to minimize the air volume and top class low noise



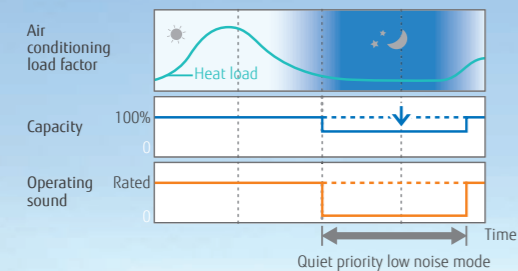
Air Stabilizer in Duct

Low noise duct structure with a built-in air stabilizer



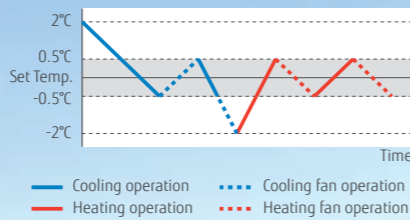
Outdoor unit low noise operation

Users can choose low noise levels, depending on the installation environment. The operation time can be set using the timer.



Auto-changeover function

At Auto setting, the cooling/heating mode is automatically switched according to the set temperature and room temperature.



Fresh air intake for Cassette, Duct, Ceiling

Fresh air can be taken in by a fan which can be connected using external control unit.



Feature Explanation

Energy Saving Function

- Save human sensor**
Human sensor detects the movement of people in the room and judges whether the energy saving operation.
- Room temperature set point limitation**
The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.

- Set temperature auto return**
The setting temperature automatically returns to the previously set temperature.
- Energy saving mode**
This mode raises the set temperature slightly in the cooling mode and lowers the set temperature in the heating mode to economically control the operation of the unit.

- Economy mode**
Limits the maximum operation current, and performs operation with the power consumption suppressed.

Comfortable Function

- Power diffuser**
An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.
- Low noise mode**
Sound noise level of outdoor unit can be selected.
- Double swing automatic**
Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.
- Connectable fresh air duct**
Outside air can be introduced by attaching Locally purchased duct to fresh air knockout and optional part.
- Individual airflow direction control**
Each louver of 4-way Cassette type can be controlled individually and provides comfortable airflow.

- Powerful mode**
Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.
- Auto-changeover**
The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- Automatic fan speed**
The micro-computer automatically adjusts the airflow effectively to follow the changes of room temperature.
- Fresh air intake**
Fresh air can be taken in by a fan which can be connected using external control unit.

- 10°C HEAT operation**
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.
- Up/down swing flaps**
The up/down flaps automatically swing up and down.
- Auto restart**
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once power supply is restored.
- Connectable distributing duct**
Systems are capable of attaching Locally purchased branch ducts distributing the airflow.

Convenient Function

- Auto off timer**
Automatically stops operation when a fixed time has elapsed from the start of operation.
- Weekly timer**
Different ON-OFF times can be set for each day.
- Wireless LAN control**
The exclusive Wi-Fi adaptor enables to operate the air conditioner by smartphone or tablet PC from outside.

- Sleep timer**
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
- Weekly + setback timer**
Weekly + Setback timer can set temperature for two times spans and for each day of the week.

- Program timer**
This digital timer allows selection of one of four options: ON, OFF, ON + OFF or OFF + ON.
- Filter sign**
Indicates the filter cleaning period by lamp.

Clean Function

- Ion deodorization filter**
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.
- PM 2.5 Filter**
Clean the air firmly catch the particles of 0.3 ~ 2.5 μm.
*PM 2.5 is a general term for micro particulate matter less than 2.5 μm.

- Apple-catechin filter**
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.

- Washable panel**
Since the front panel is easy to remove, maintenance is also easy.

Installation

- Drain pump as standard**

- Blue fin**

ALL DC All DC models

PRODUCT CATEGORY

SPLIT



Energy saving design to provide a comfortable indoor environment while being environment-friendly.

An air conditioner that is people-friendly is also environment-friendly. Fujitsu General offers a broad lineup of products from large living rooms to bedrooms and children's rooms. We make your room more comfortable with a wide range of air conditioner types from ceiling wall type with automatic filters and cleaning functions to wall mounted type that improve the air cleaning function. Of course these models feature highly efficient operation that conserves electricity.

032 **INVERTER Split All Type Lineup**

034 **CONSTANT SPEED Split All Type Lineup**

036 **INVERTER: Models by Country**
For Vietnam

042 **INVERTER: Common Models**

Wall Mounted
Compact Cassette
Cassette
Circular Flow Cassette
Floor/Ceiling
Ceiling
Slim Duct
Medium Static Pressure Duct
High Static Pressure Duct






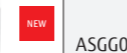







064 **CONSTANT SPEED: Models by Country**
For Bangladesh

066 **CONSTANT SPEED: Common Models**
Wall Mounted
Circular Flow Cassette
Medium Static Pressure Duct
Big Duct

080 **Feature Summary**



















Split All Type Lineup

INVERTER : Models by Country			Class										
Type	Refrigerant	Model	9	12	14	18	24	30	36	45	54	60	
 for Vietnam	Wall Mounted	 Cooling only	 09/12	 18	 24	 ASGG09LLTB-V	 ASGG12LLTA-V						
		 Heating & Cooling	 ASGG09LLTB-V	 ASGG12LLTA-V									
		 Cooling only	 ASGG09JLTB-V	 ASGG12JLTB-V									

INVERTER : Common Models			Class										
Type	Refrigerant	Model	9	12	14	18	24	30	36	45	54	60	
Wall Mounted	 Heating & Cooling	 ASHG09LUCA	 ASHG12LUCA	 ASHG14LUCA									
	 Cooling only	 ASGG09JLCA	 ASGG12JLCA										
	 Cooling only	 ASGA18JCC	 ASGA24JCC	 ASGA30JCC									
Compact Cassette / Cassette	 Heating & Cooling	 18/24	 30/36/45/54		 AUGG30LRLA-A	 AUGG36LRLA-A	 AUGG45LRLA-A	 AUGG54LRLA-A					
Circular Flow Cassette	 Heating & Cooling	 18/24	 30/36/45/54		 AUXG30LRLB	 AUXG36LRLB	 AUXG45LRLB	 AUXG54LRLB					
Floor / Ceiling Universal Ceiling	 Heating & Cooling	 18/24	 30/36/45		 ABGG30LRTA-A	 ABGG36LRTA-A	 ABGG45LRTA-A						
Slim Duct	 Heating & Cooling	 ARHG18LLTB											
Medium Static Pressure Duct	 Heating & Cooling	 ARGG24LMLA	 ARGG30LMLA-A	 ARGG36LMLA-A	 ARGG45LMLA-A								
High Static Pressure Duct	 Heating & Cooling	 45/54	 60	 ARHG60LHTA									

Split All Type Lineup

CONSTANT SPEED : Models by Country			Class									
Type	Refrigerant	Model	9	12	14	18	24	30	36	45	54	60
 for Bangladesh	 Cooling only						ASGA18EHFT ASGA18SEFT	ASGA24EHFT ASGA24SEFT				

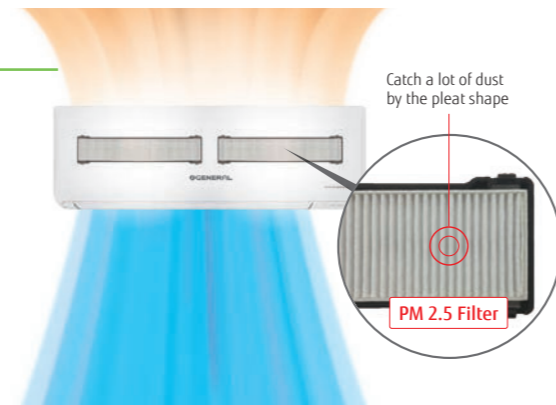
CONSTANT SPEED : Common Models			Class									
Type	Refrigerant	Model	9	12	14	18	24	30	36	45	54	60
Wall Mounted	 Cooling only		ASGA09BMTA-A	ASGA12BMTA-A								
	 Cooling only		ASGA09FNTA	ASGA12FNTA								
	 Cooling only					ASGA18FMTA-A	ASGA24FMTA-A					
	 Cooling only					ASGA18FUTB	ASGA24FUTB	ASGA30FETA	ASGA36FETA			
Circular Flow Cassette	 Cooling only	 18/24 30/36/45/54				AUGA18FRTA	AUGA25FRTA	AUGA30FRTA	AUGA36FRTA	AUGA45FRTA	AUGA54FRTA	
Medium Static Pressure Duct	 Cooling only	 18/25 30 36/45				ARGA18FMTA	ARGA25FMTA	ARGA30FMTA	ARGA36FMTA	ARGA45FMTA		
Big Duct	 Cooling only											ARGA60FHTA

NEW
Wall Mounted



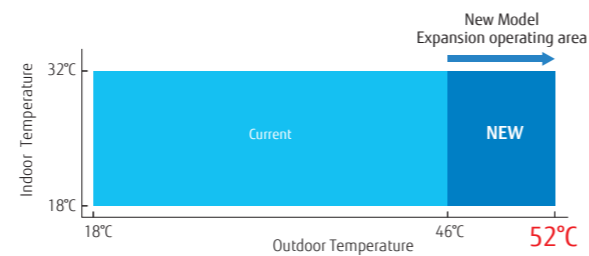
PM 2.5 filter the newly adopted

Clean the air firmly catch the particles of 0.3 ~ 2.5 μm.
*PM 2.5 is a general term for micro particulate matter less than 2.5 μm.



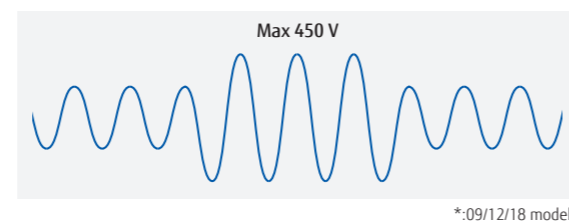
Powerful Cooling

High Temperature operation at 52°C
New system development expands the outdoor temperature upper limit from 46°C to 52°C. Provides a cool and comfortable environment even at 52°C.



High Reliability System (HRS)

Withstands Spike Voltage up to 450 V*
The newly developed general PCB designed with a withstand spike voltage up to 450 V. The design is highly robust.



5-Star Rank in Energy Saving Program

This is ranked 5-Star in the energy labeling program in Vietnam.



Adopting new refrigerant R32

R32 refrigerant is highly environmentally friendly for the reduction of the global warming potential than another refrigerant.



Model: ASGG09CPTA-V / ASGG12CPTA-V / ASGG18CPTA-V / ASGG24CPTA-V



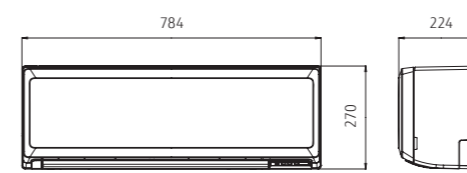
Specifications

Model No.	Indoor unit		ASGG09CPTA-V	ASGG12CPTA-V	ASGG18CPTA-V	ASGG24CPTA-V
	Outdoor unit		AOGG09CPTA-V	AOGG12CPTA-V	AOGG18CPTA-V	AOGG24CPTA-V
Power Source		V/Ø/Hz	220/1/50	220/1/50	220/1/50	220/1/50
Capacity	Cooling (Min.-Max.)	kW	2.70(0.7-2.9)	3.37(0.8-3.5)	5.28(1.3-5.4)	7.04(1.8-7.0)
		Btu/h	9,200(2,400-9,900)	11,500(2,900-12,100)	18,000(4,500-18,400)	24,000(6,000-24,000)
Input Power	Cooling	kW	0.81	1.18	1.88	2.39
EER	Cooling	W/W	3.33	2.86	2.81	2.95
CSPF			4.68	4.62	4.63	5.64
Running Current	Cooling	A	4.2	5.9	8.8	11.1
Moisture Removal		l/h	1.0	1.5	1.9	2.7
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	43	43	49	50
	Outdoor		50	50	51	53
Airflow Rate (Cooling)	Indoor (High)	m³/h	550	550	940	1,160
	Outdoor		1,910	1,910	1,660	2,885
Net Dimensions H x W x D	Indoor	mm	270 x 784 x 224	270 x 784 x 224	270 x 834 x 239	280 x 980 x 240
		kg(lbs)	8.5(19)	8.5(19)	11.0(24)	12.5(28)
Net Weight	Outdoor	mm	541 x 663 x 290	541 x 663 x 290	541 x 663 x 290	632 x 799 x 290
		kg(lbs)	22.0(49)	22.0(49)	27.0(60)	36.0(79)
Piping Connections (Small / Large)			6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70
Drain Pipe Diameter (I.D./O.D.)		mm	11.8/15.0 to 16.8	11.8/15.0 to 16.8	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max. Pipe Length (Pre-Charge)		m	20(10)	20(10)	20(10)	25(15)
Max. Height Difference			15	15	15	20
Operation Range	Indoor	°CDB	18 to 32	18 to 32	18 to 32	18 to 32
	Outdoor		18 to 52	18 to 52	18 to 52	18 to 52
Refrigerant			R32	R32	R32	R32

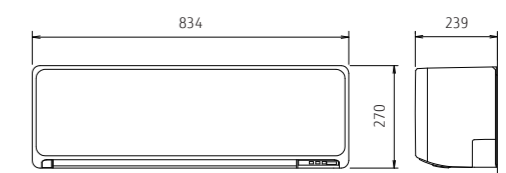
Dimensions

(Unit : mm)

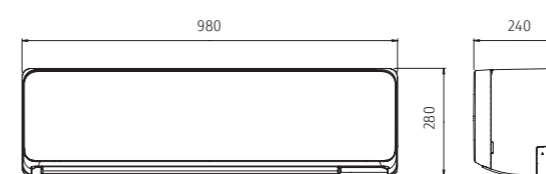
Model: ASGG09CPTA-V / ASGG12CPTA-V



Model: ASGG18CPTA-V



Model: ASGG24CPTA-V



Wall Mounted



Model: ASGG09LLTB-V / ASGG12LLTA-V



Wireless R.C.



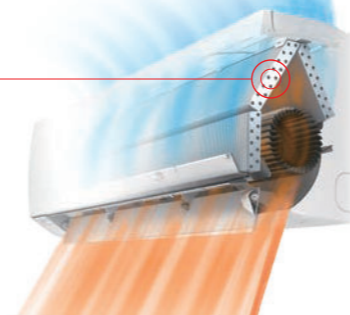
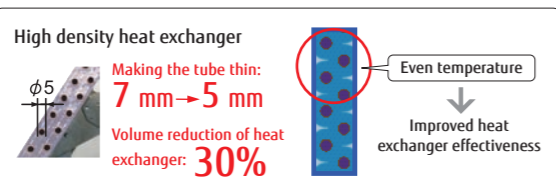
AOGG09LLTB-V
AOGG12LLTA-V

Specifications

Model No.	Indoor unit	ASGG09LLTB-V		ASGG12LLTA-V	
	Outdoor unit	AOGG09LLTB-V		AOGG12LLTA-V	
Power Source		V/Ø/Hz	220/1/50	220/1/50	220/1/50
Capacity	Cooling (Min.-Max.)	kW	2.50(0.9-3.0)	3.40(0.9-3.8)	3.40(0.9-3.8)
		Btu/h	8,500(3,070-10,230)	11,600(3,070-12,960)	11,600(3,070-12,960)
	Heating (Min.-Max.)	kW	3.00(0.9-3.8)	4.00(0.9-5.0)	4.00(0.9-5.0)
		Btu/h	10,200(3,070-12,960)	13,600(3,070-17,060)	13,600(3,070-17,060)
Input Power	Cooling/Heating	kW	0.72/0.74	1.10/1.13	1.10/1.13
EER	Cooling	W/W	3.47	3.21	3.21
COP	Heating	W/W	4.05	3.54	3.54
Running Current	Cooling/Heating	A	3.6/3.6	5.3/5.5	5.3/5.5
Moisture Removal		l/h	1.3	1.8	1.8
Sound Pressure Level (Cooling/Heating)	Indoor (High)	dB(A)	43/43	43/43	43/43
	Outdoor	dB(A)	47/48	50/51	50/51
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	720/740	720/740	720/740
	Outdoor	m³/h	1,670/1,470	1,830/1,600	1,830/1,600
Net Dimensions H x W x D	Indoor	mm	262 x 820 x 206	262 x 820 x 206	262 x 820 x 206
		kg(lbs)	7.0 (15)	7.0 (15)	7.0 (15)
Net Weight	Outdoor	mm	540 x 660 x 290	540 x 660 x 290	540 x 660 x 290
		kg(lbs)	25.0 (55)	28.0 (62)	28.0 (62)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52	6.35/9.52
Drain Pipe Diameter (I.D./O.D.)		mm	11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	20(15)	20(15)	20(15)
Max. Height Difference			15	15	15
Operation Range	Cooling	°CDB	18 to 46	18 to 46	18 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A

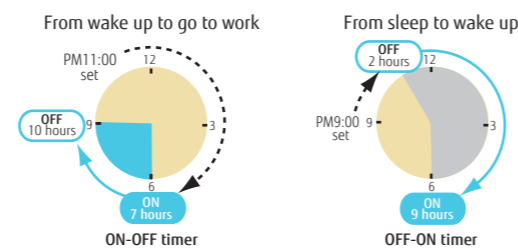
High Efficient Compact Design

Compact design is realized by high density multi-path heat exchanger.



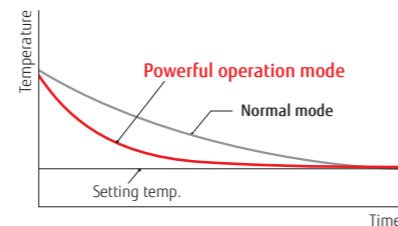
More Convenient Timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)



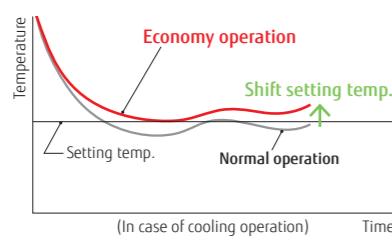
Powerful operation

Reach the setting temperature quickly.



Economy operation

Setting temp. is shifted by 1°C automatically.



Easy maintenance

Removable & washable panel

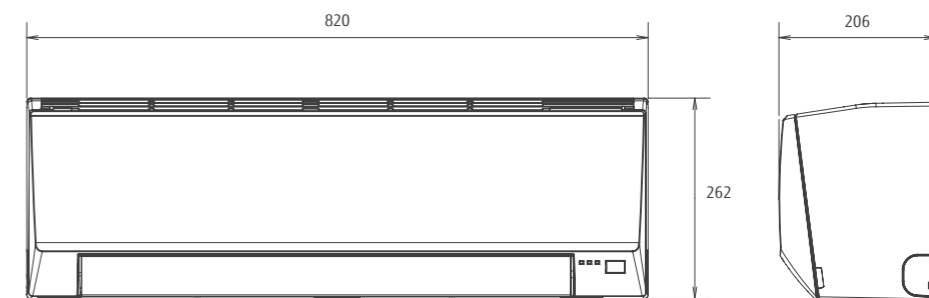


Optional parts

Remote Controller Holder Kit: UTZ-RXLA

Dimensions

(Unit : mm)



Wall Mounted



Model: ASGG09JLTB-V / ASGG12JLTB-V



Wireless R.C.



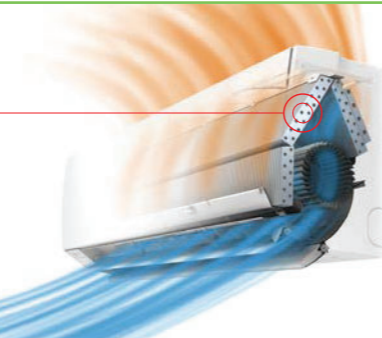
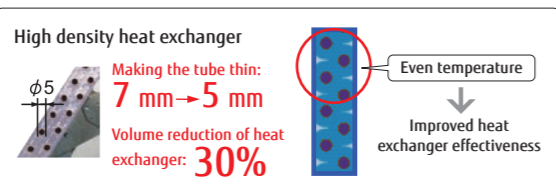
AOGG09JLTB-V
AOGG12JLTB-V

Specifications

Model No.	Indoor unit		ASGG09JLTB-V	ASGG12JLTB-V
	Outdoor unit		AOGG09JLTB-V	AOGG12JLTB-V
Power Source		V/Ø/Hz	220/1/50	220/1/50
Capacity	Cooling (Min.-Max.)	kW	2.50(0.9-3.0)	3.40(0.9-3.8)
		Btu/h	8,500(3,070-10,230)	11,600(3,070-12,960)
Input Power	Cooling	kW	0.72	1.06
EER	Cooling	W/W	3.47	3.21
Running Current	Cooling	A	3.6	5.3
Moisture Removal		l/h	1.3	1.8
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	43	43
	Outdoor		47	50
Airflow Rate (Cooling)	Indoor (High)	m³/h	720	720
	Outdoor		1,670	1,830
Net Dimensions H x W x D	Indoor	mm	262 x 820 x 206	262 x 820 x 206
		kg(lbs)	7.0 (15)	7.0 (15)
Net Weight	Outdoor	mm	540 x 660 x 290	540 x 660 x 290
		kg(lbs)	25.0 (55)	28.0 (62)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52
Drain Pipe Diameter (I.D./O.D.)			11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	20(15)	20(15)
Max. Height Difference			15	15
Operation Range	Cooling	°CDB	18 to 46	18 to 46
Refrigerant			R410A	R410A

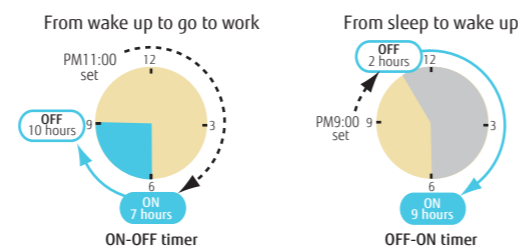
High Efficient Compact Design

Compact design is realized by high density multi-path heat exchanger.



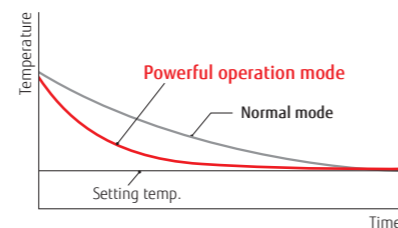
More Convenient Timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)



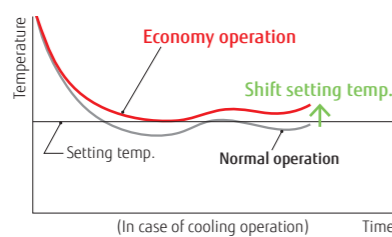
Powerful operation

Reach the setting temperature quickly.



Economy operation

Setting temp. is shifted by 1°C automatically.



Easy maintenance

Removable & washable panel

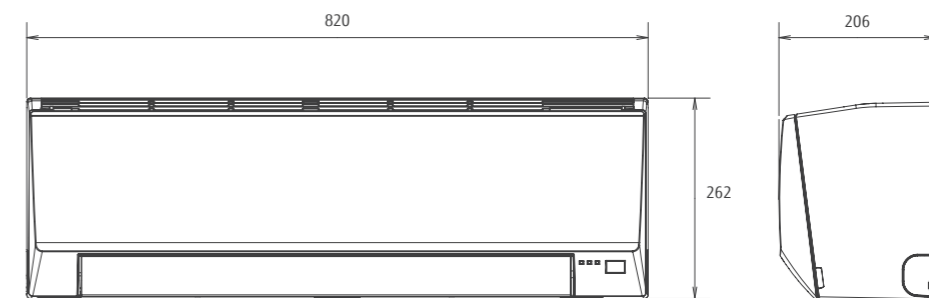


Optional parts

Remote Controller Holder Kit: UTZ-RXLA

Dimensions

(Unit : mm)



Wall Mounted

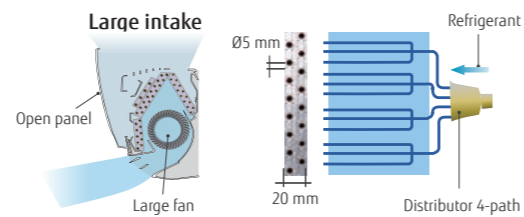


Thin & Slim design

Thin and slim design is realized by Ø5 mm heat exchanger and high efficiency wind blower.

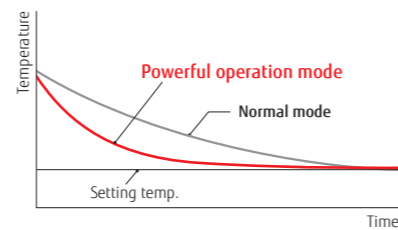


Big open panel and High density multi path heat exchanger



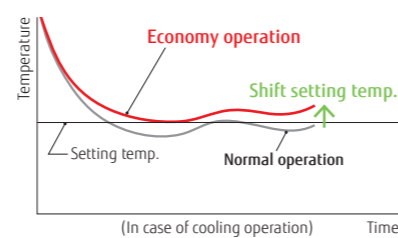
Powerful operation

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



Economy operation

Setting temp. is shifted by 1°C automatically.

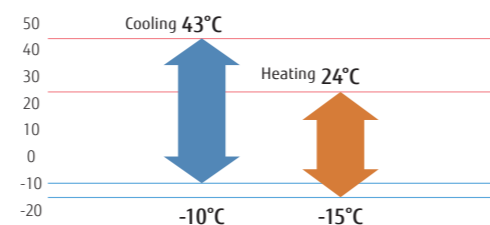


3 Mode timer (Weekly/Program/Sleep)

Weekly timer can be easily set by wireless remote controller. ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week. For other modes, program timer and sleep timer can be also selected by one push.



Wide operation range



Model: ASHG09LUCA / ASHG12LUCA / ASHG14LUCA



Specifications

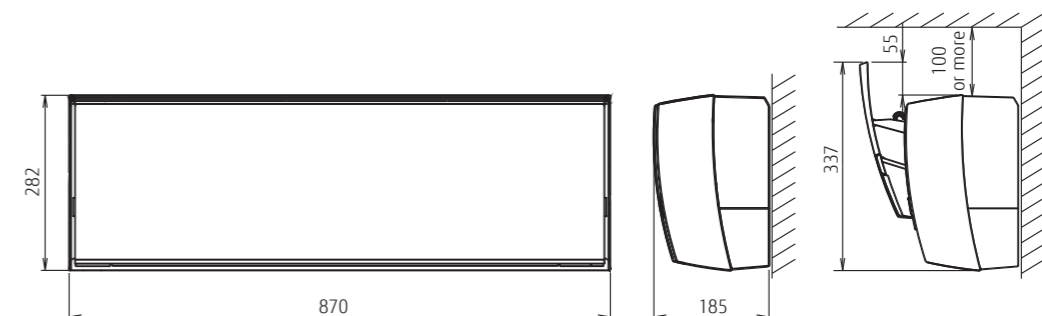
Model No.	Indoor unit		ASHG09LUCA	ASHG12LUCA	ASHG14LUCA
	Outdoor unit		AOHG09LUCB	AOHG12LUC	AOHG14LUC
Power Source		V/Ø/Hz	230/1/50	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	2.5(0.5-3.2)	3.5(0.9-4.0)	4.2(0.9-5.0)
		Btu/h	8,500(1,700-10,900)	11,900(3,100-13,600)	14,300(3,100-17,100)
Capacity	Heating (Min.-Max.)	kW	3.2(0.5-4.2)	4.0(0.9-5.6)	5.4(0.9-6.0)
		Btu/h	10,900(1,700-14,300)	13,600(3,100-19,100)	18,400(3,100-20,500)
Input Power	Cooling/Heating	kW	0.555/0.680	0.905/0.930	1.235/1.380
EER	Cooling	W/W	4.50	3.87	3.40
COP	Heating	W/W	4.71	4.30	3.91
Running Current	Cooling/Heating	A	3.1/3.4	4.6/4.7	5.8/6.3
Moisture Removal		l/h	1.3	1.8	2.1
Sound Pressure Level (Cooling/Heating)	Indoor (High)	dB(A)	42/42	43/43	45/45
	Outdoor	dB(A)	48/48	50/50	50/50
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	800/800	850/850	900/900
	Outdoor	m³/h	1,720/1,510	1,940/1,700	1,940/1,700
Net Dimensions H x W x D	Indoor	mm	282 x 870 x 185	282 x 870 x 185	282 x 870 x 185
		kg(lbs)	9.5(21)	9.5(21)	9.5(21)
Net Weight	Outdoor	mm	540 x 660 x 290	540 x 790 x 290	540 x 790 x 290
		kg(lbs)	25.0(55)	33.0(73)	34.0(75)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52	6.35/12.70
Drain Pipe Diameter (I.D./O.D.)		mm	11.8 / 15.0 to 16.8	11.8 / 15.0 to 16.8	11.8 / 15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	20(15)	20(15)	20(15)
Max. Height Difference		m	15	15	15
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A

Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller (3-wire type): UTY-RSNGM
- External Switch Controller: UTY-TERX
- Wireless LAN Adaptor: UTY-TFNXZ3
- Communication Kit: UTY-TWBXF, UTY-TWBXF2
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- External Connect Kit: UTY-XWZXZ5

Dimensions

(Unit : mm)

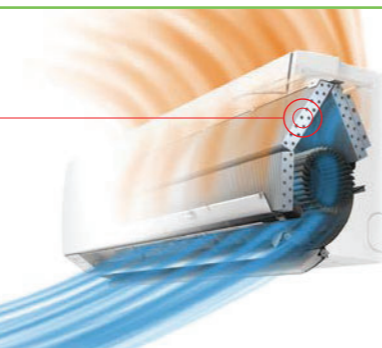
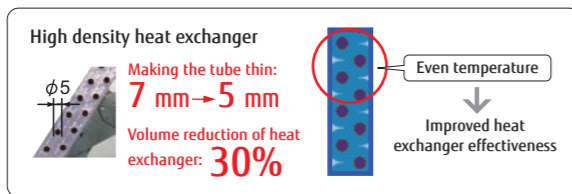


Wall Mounted



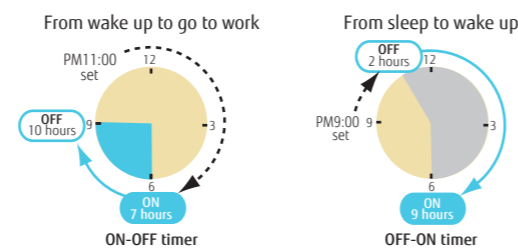
High Efficient Compact Design

Compact design is realized by high density multi-path heat exchanger.



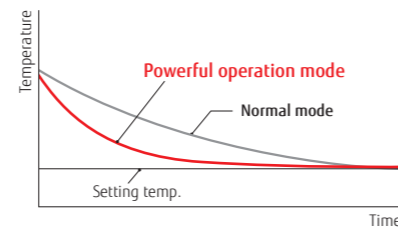
More Convenient Timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)



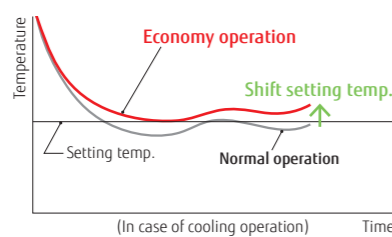
Powerful operation

Reach the setting temperature quickly.



Economy operation

Setting temp. is shifted by 1°C automatically.



Easy maintenance

Removable & washable panel



Model: ASGG09JLCA / ASGG12JLCA



Wireless R.C.



AOGG09JLCA
AOGG12JLCA

Specifications

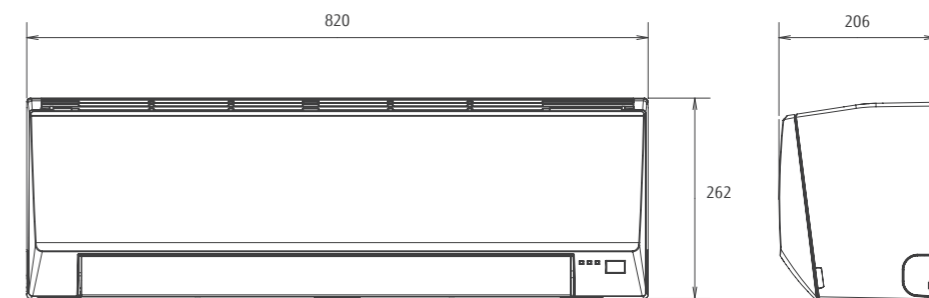
Model No.	Indoor unit		ASGG09JLCA	ASGG12JLCA
	Outdoor unit		AOGG09JLCA	AOGG12JLCA
Power Source		V/Ø/Hz	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	2.5(0.9-2.9)	3.5(0.9-3.8)
		Btu/h	8,500(3,070-9,700)	11,900(3,070-12,800)
Input Power	Cooling	kW	0.73	1.095
EER	Cooling	W/W	3.42	3.20
Running Current	Cooling	A	3.8	5.1
Moisture Removal		l/h	1.3	1.8
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	43	43
	Outdoor		48	52
Airflow Rate (Cooling)	Indoor (High)	m³/h	720	720
	Outdoor		1,710	1,850
Net Dimensions H x W x D	Indoor	mm	262 x 820 x 206	262 x 820 x 206
		kg(lbs)	7.0 (15)	7.0 (15)
Net Weight	Outdoor	mm	535 x 663 x 293	535 x 663 x 293
		kg(lbs)	24.0 (53)	26.0 (57)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52
Drain Pipe Diameter (I.D./O.D.)			11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	15(10)	15(10)
Max. Height Difference			10	10
Operation Range	Cooling	°CDB	18 to 46	18 to 46
Refrigerant			R410A	R410A

Optional parts

(Outdoor unit)
Protective Net Kit: UTZ-NXCA

Dimensions

(Unit : mm)



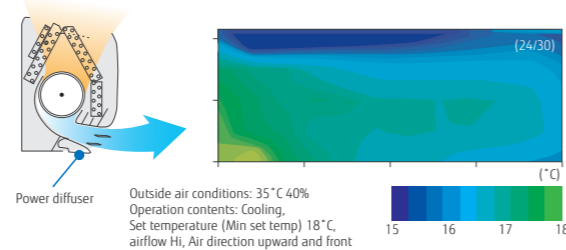
Wall Mounted



Comfort airflow

Power diffuser

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



Air conditioner filter features

Using different filters at both sides



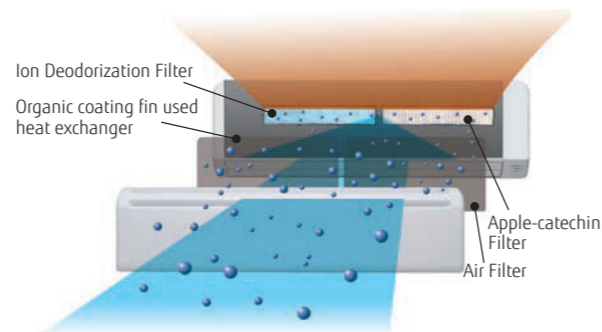
Ion Deodorization Filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.



Apple-catechin Filter

The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.



Easy maintenance

Simplification of drain pan cleaning improves maintenance-ability.



Model: ASGA18JCC / ASGA24JCC / ASGA30JCC



Wireless R.C.



AOGR18JCC
AOGR24JCC

AOGR30JCC

Specifications

Model No.	Indoor unit		ASGA18JCC	ASGA24JCC	ASGA30JCC
	Outdoor unit		AOGR18JCC	AOGR24JCC	AOGR30JCC
Power Source		V/Ø/Hz	230/1/50	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	5.2(0.9-6.0)	7.1(0.9-8.0)	8.0(2.9-9.0)
		Btu/h	17,700(3,100-20,400)	24,200(3,100-27,300)	27,300(9,900-30,700)
Input Power	Cooling	kW	1.48	2.45	2.66
EER	Cooling	W/W	3.51	2.90	3.01
Running Current	Cooling	A	6.6	10.8	11.7
Moisture Removal		l/h	2.8	3.0	3.0
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	43	47	49
	Outdoor		50	56	53
Airflow Rate (Cooling)	Indoor (High)	m³/h	900	1,100	1,100
	Outdoor		2,070	2,640	3,600
Net Dimensions H x W x D	Indoor	mm	320 x 998 x 228	320 x 998 x 228	320 x 998 x 228
		kg(lbs)	14.0 (31)	14.0 (31)	14.0 (31)
Net Weight	Outdoor	mm	620 x 790 x 298	620 x 790 x 298	830 x 900 x 330
		kg(lbs)	40.0 (88)	40.0 (88)	58.0 (128)
Piping Connections (Small / Large)		mm	6.35/12.7	6.35/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)			12/16	12/16	12/16
Max. Pipe Length (Pre-Charge)		m	30(15)	30(15)	30(20)
Max. Height Difference			20	20	20
Operation Range	Cooling	°CDB	18 to 46	18 to 46	18 to 46
Refrigerant			R410A	R410A	R410A

Optional parts

External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)

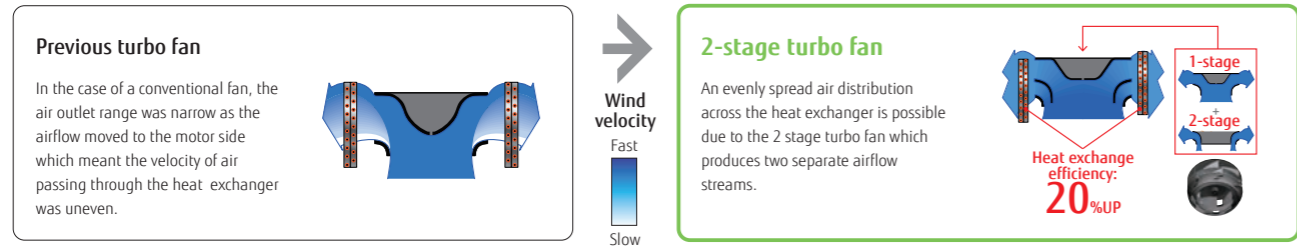


Compact Cassette



2-stage turbo fan

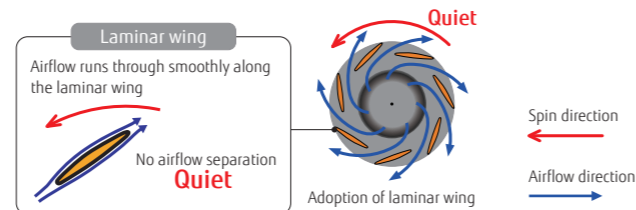
High efficiency design by 2 stage structure



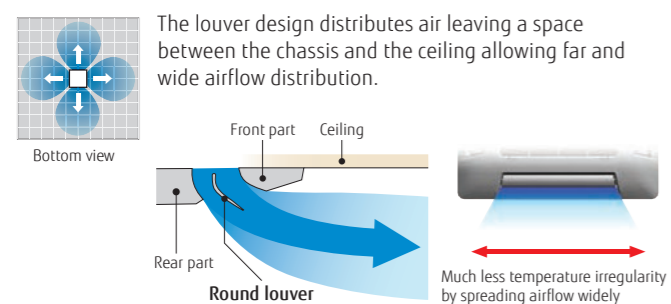
Quiet quality

Optimized wing form (laminar wing type) and wing number (7 blades each)

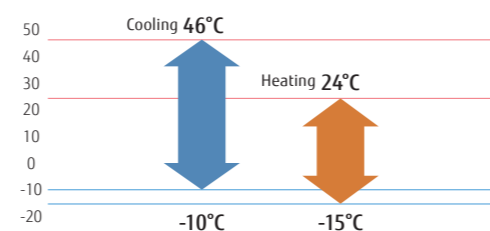
Designed by CFD-analysis (fluid) simulations



Improvement of the airflow distribution



Wide operation range



Model : AUHG18LVLB / AUHG24LVLA



Specifications

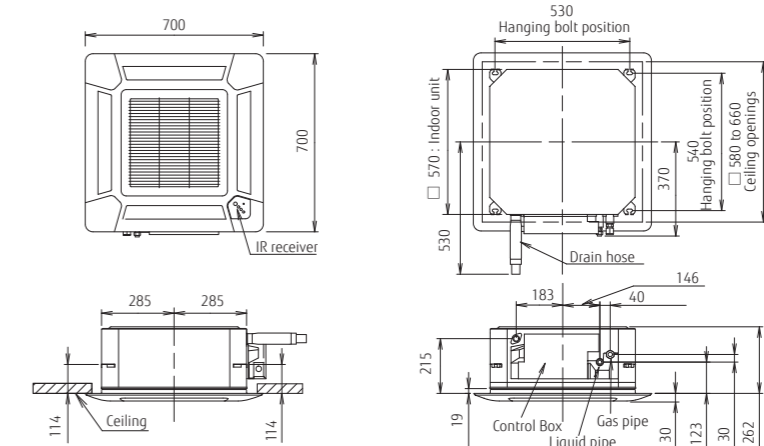
Model No.	Indoor unit		AUHG18LVLB	AUHG24LVLA
	Outdoor unit		AOHG18LBCB	AOHG24LBCB
Power Source	V/Ø/Hz		230/1/50	230/1/50
	Cooling (Min.-Max.)		kW 5.20(0.9-5.9)	6.80(0.9-8.0)
Capacity	Heating (Min.-Max.)		kW 6.00(0.9-7.5)	8.00(0.9-9.1)
			Btu/h 20,500(3,100-25,600)	27,300(3,100-31,000)
Input Power	Cooling/Heating	kW	1.62/1.66	2.21/2.26
EER	Cooling	W/W	3.21	3.08
COP	Heating		3.61	3.54
Running Current	Cooling/Heating	A	11.5-13.5	14.7-15.7
Moisture Removal		l/h	2.2	2.7
Sound Pressure Level (Cooling/Heating)	Indoor (High)	dB(A)	38/43	49/49
	Outdoor		50/50	53/54
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	680/800	930/930
	Outdoor		2,380/2,080	2,850/2,700
Net Dimensions H x W x D	Indoor / grille	mm	245 x 570 x 570 / 49 x 700 x 700	245 x 570 x 570 / 49 x 700 x 700
		kg(lbs)	15.0 (33) / 2.6 (6)	16.0 (35) / 2.6 (6)
Net Weight	Outdoor	mm	632 x 799 x 290	716 x 820 x 315
		kg(lbs)	36 (79)	42 (93)
Piping Connections (Small / Large)		mm	6.35/12.70	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)			25/32	25/32
Max. Pipe Length (Pre-Charge)		m	25 (15)	30 (15)
Max. Height Difference			15	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant			R410A	R410A
Cassette Grille			UTG-UFGD-W	UTG-UFGD-W

Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- External Switch Controller: UTY-TERX
- External Connect Kit: UTY-XWZX
- Insulation Kit For High Humidity: UTZ-KXGC
- Fresh Air Intake Kit: UTZ-VXAA
- Cassette Grille: UTG-UFGD-W
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- Air Outlet Shutter Plate: UTR-YDZB

Dimensions

(Unit : mm)



Cassette



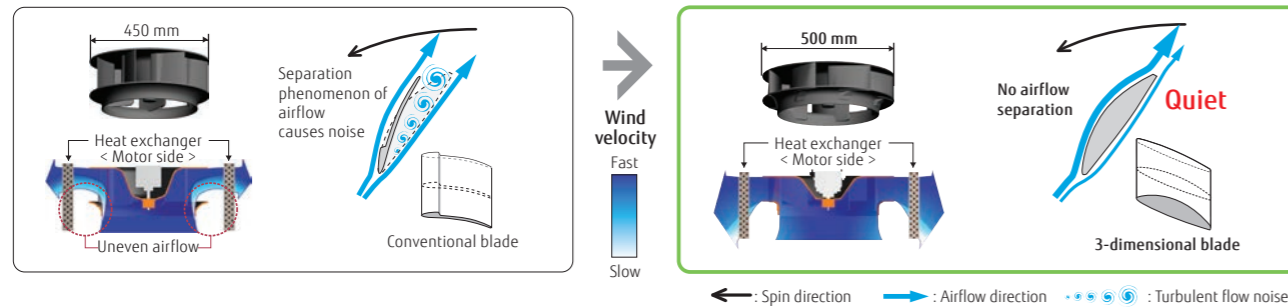
Model: AUGG30LRLA-A / AUGG36LRLA-A / AUGG45LRLA-A / AUGG54LRLA-A



High efficiency turbo fan with 3-dimensional blade

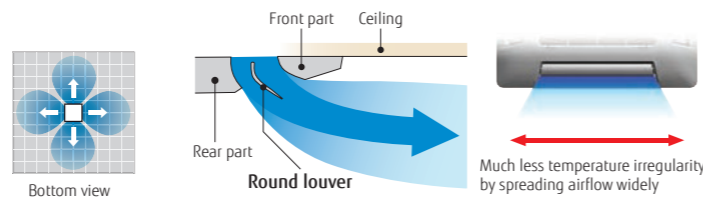
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

New turbo fan: 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 airflow distribution.

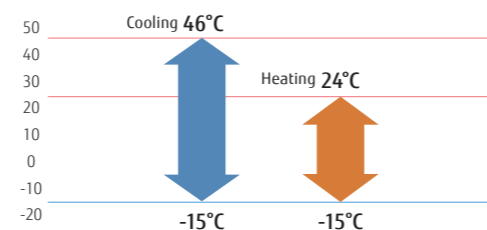


Adjustment of hanger position is possible after installation.

Hanging bracket can be checked directly by removing the corner cover. Hanging position can be arranged easily.



Wide operation range



Specifications

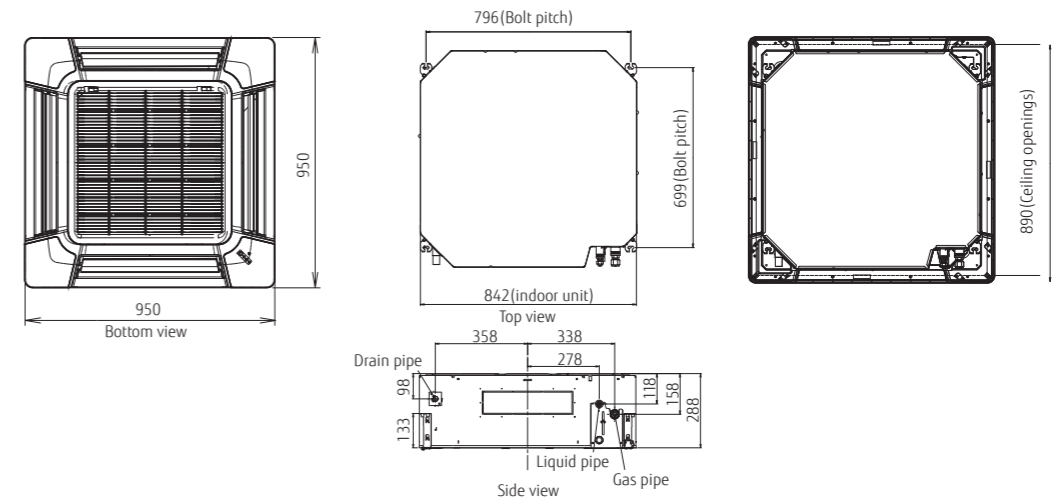
Model No.	Indoor unit		AUGG30LRLA-A	AUGG36LRLA-A	AUGG45LRLA-A	AUGG54LRLA-A
	Outdoor unit		AOGG30LBTA-A	AOGG36LBTA-A	AOGG45LBTA-A	AOGG54LBTA-A
Power Source		V/∅/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	8.50(2.8-10.0)	10.00(2.8-11.2)	12.50(4.0-14.0)	13.3(4.5-14.5)
		Btu/h	29,000(9,500-34,100)	34,100(9,500-38,200)	42,700(13,700-47,800)	45,400(15,400-49,500)
	Heating (Min.-Max.)	kW	10.00(2.7-11.2)	11.20(2.7-12.7)	14.00(4.2-16.2)	16.0(4.7-16.5)
		Btu/h	34,100(9,200-38,200)	38,200(9,200-43,300)	47,800(14,300-55,300)	54,600(16,000-56,300)
Input Power	Cooling/Heating	kW	2.54/2.77	3.12/3.02	3.88/3.77	4.42/4.69
EER	Cooling	W/W	3.35	3.21	3.22	3.01
COP	Heating	W/W	3.61	3.71	3.71	3.41
Running Current	Cooling/Heating	A	11.1/12.2	13.7/13.3	16.9/16.5	19.3/20.5
Moisture Removal		l/h	2.5	3.5	4.5	5.0
Sound Pressure Level (Cooling/Heating)	Indoor (High)	dB(A)	40/40	43/43	46/46	47/47
	Outdoor	dB(A)	53/55	54/55	55/55	55/57
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	1,600/1,600	1,800/1,800	1,900/1,900	2,000/2,000
	Outdoor	m³/h	3,600/3,800	3,800/3,800	6,750/6,200	6,750/6,850
Net Dimensions H x W x D	Indoor / grille	mm	288 x 840 x 840 / 50 x 950 x 950			
	Outdoor	kg(lbs)	23.0(51)/5.5(12)	23.0(51)/5.5(12)	26.0(57)/5.5(12)	26.0(57)/5.5(12)
Net Weight	Indoor / grille	mm	830 x 900 x 330	830 x 900 x 330	1,290 x 900 x 330	1,290 x 900 x 330
	Outdoor	kg(lbs)	61.0(134)	61.0(135)	86.0(190)	86.0(190)
Piping Connections (Small / Large)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max. Pipe Length (Pre-Charge)		m	50(20)	50(20)	50(20)	50(20)
Max. Height Difference		m	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A	R410A
Cassette Grille			UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W

Optional parts

Wired Remote Controller:	UTY-RNNGM	Insulation Kit For High Humidity:	UTZ-KXGA
Simple Remote Controller (3-wire type):	UTY-RSNGM	Fresh Air Intake Kit:	UTZ-VXGA
External Connect Kit:	UTD-ECS5A		
Wide Panel:	UTG-AGYA-W		
Panel Spacer:	UTG-BGYA-W		
Cassette Grille:	UTG-UGGA-W		
Air Outlet Shutter Plate:	UTR-YDZC		
IR Receiver Unit:	UTY-LRHGA2		
Wireless LAN Adaptor:	UTY-TFNXZ3		
External Connect Kit:	UTY-XWZX		

Dimensions

(Unit : mm)

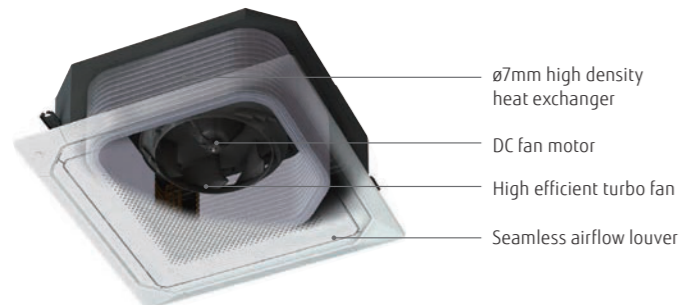


Circular Flow Cassette



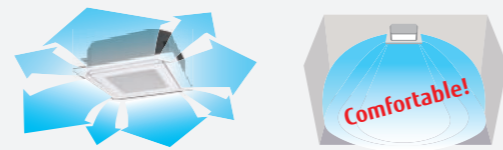
Uniform air distribution by the seamless air opening

In new model, the gaps between each airflow openings are removed, which enables to distribute wider and uniform airflow to room.



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

Various Cassette Grille

Both black and white color grilles are available. There are three types, white color grille with Remote Controller, only white color grille and only black color grille. Possible to choose according to the atmosphere and the use of the room.



Human Sensor for Energy Saving (Option)

• Human sensor



2 modes can be selected.

- Auto saving** Power is saved while people are away.
- Auto OFF** Operation stops after people go out.

*Touch Panel Wired RC (UTY-RNRGZ3) only

Model: AUXG18LRLB / AUXG24LRLB
AUXG30LRLB / AUXG36LRLB / AUXG45LRLB / AUXG54LRLB



AUXG18/24LRLB



(Black panel)



AUXG30/36/45/54LRLB



(Black panel)



Touch Panel Wired R.C.



AOHG18LBCA
AOHG24LBCA

AOHG30LBCA
AOHG36LBCA

AOHG45LBCA
AOHG54LBCA

Specifications

Model No.	Indoor unit		AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB
	Outdoor unit		AOHG18LBCA	AOHG24LBCA	AOHG30LBCA	AOHG36LBCA	AOHG45LBCA	AOHG54LBCA
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
	Cooling (Min.-Max.)		kW 5.2(0.9-6.5)	6.8(0.9-8.0)	8.5(2.8-10.0)	9.5(2.8-11.2)	12.5(4.0-14.0)	13.3(4.5-14.5)
Capacity	Heating (Min.-Max.)		kW 6.0(0.9-8.0)	7.8(0.9-9.1)	10.0(2.7-11.2)	10.8(2.7-12.7)	14.0(4.2-16.2)	15.8(4.7-16.5)
	Cooling/Heating		Btu/h 17,700(3,100-22,200)	23,200(3,100-27,300)	29,000(9,500-34,100)	32,400(9,500-38,200)	42,700(13,700-47,800)	45,400(21,200-49,500)
Input Power	Cooling/Heating		kW 1.42 / 1.50	2.16 / 2.18	2.56 / 2.77	2.96 / 2.91	3.85 / 3.73	4.38 / 4.58
	Cooling		W/W 3.66	3.15	3.32	3.21	3.25	3.04
EER	Heating		4.00	3.58	3.61	3.71	3.75	3.45
	Cooling/Heating		A 6.2 / 6.6	9.5 / 9.6	11.2 / 12.2	13.0 / 12.7	16.8 / 16.3	19.1 / 20.0
Moisture Removal	Cooling/Heating		l/h 2.2	2.7	2.5	3.3	4.5	5.0
	Indoor (High)		33/33	35/35	40/40	44/44	46/46	47/47
Sound Pressure Level (Cooling/Heating)	Outdoor		51/50	55/56	53/55	54/55	55/55	55/57
	Indoor (High)		1,050/1,050	1,150/1,150	1,600/1,600	1,900/1,900	2,000/2,000	2,100/2,100
Airflow Rate (Cooling/Heating)	Outdoor		m³/h 1,900/1,700	2,460/2,340	3,600/3,600	3,800/3,800	6,750/6,200	6,750/6,850
	Indoor / grille		mm 246 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950				
Net Dimensions H x W x D	Outdoor		kg(lbs) 24 (53) / 6.0 (13)	24 (53) / 6.0 (13)	26 (57) / 6.0 (13)	26 (57) / 6.0 (13)	29 (64) / 6.0 (13)	29 (64) / 6.0 (13)
	Indoor		mm 620 × 790 × 290	620 × 790 × 290	830 × 900 × 330	830 × 900 × 330	1,290 × 900 × 330	1,290 × 900 × 330
Net Weight	Outdoor		kg(lbs) 41 (90)	41 (90)	61 (134)	61 (134)	86 (190)	86 (190)
	Indoor		mm 6.35/12.7	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Piping Connections (Small / Large)	Drain Pipe Diameter (I.D./O.D.)		mm 25/32	25/32	25/32	25/32	25/32	25/32
	Max. Pipe Length (Pre-Charge)		m 30 (15)	30 (15)	50 (20)	50(20)	50(20)	50(20)
Max. Height Difference	Cooling		-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Operation Range	Cooling		°CDB -15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	R410A		R410A	R410A	R410A	R410A	R410A	R410A
	Cassette Grille Variation		UTG-UKGA-W: White Color with touch panel wired remote controller UTG-UKGC-W: White Color / UTG-UKGA-B*1: Black Color					

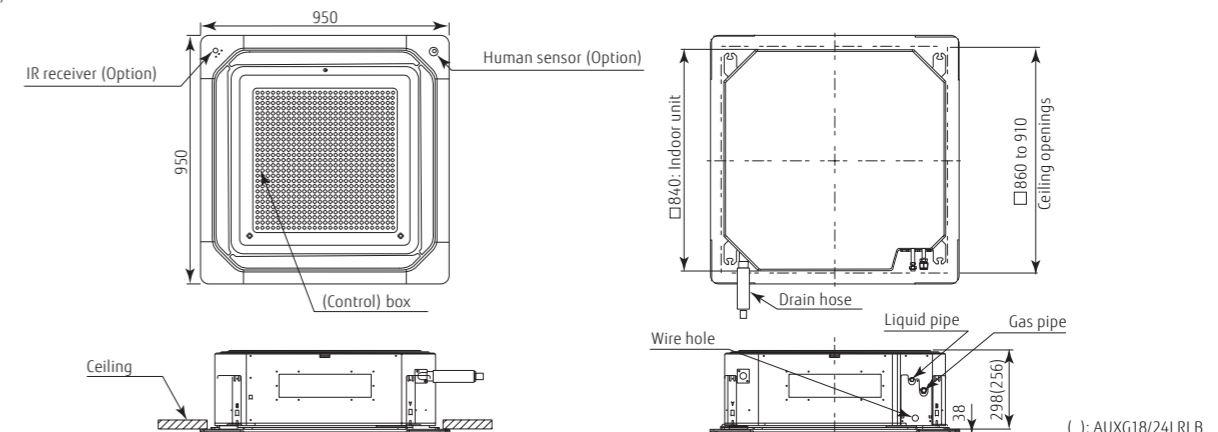
*1: IR Receiver kit and human sensor kit cannot be connected.

Optional parts

Compact Wired Remote Controller:	UTY-RCRGZ1	Wireless LAN Adaptor:	UTY-TFNXZ3	Cassette Grille:	UTG-UKGA-B
Wired Remote Controller:	UTY-RLRG, UTY-RVNGM	KNX® Converter:	UTY-VKSX		UTG-UKGA-W
	UTY-RNNGM	MODBUS® Converter:	UTY-VMSX		UTG-UKGC-W
Wired Remote Controller (Touch Panel):	UTY-RNRGZ3	External input and output PCB:	UTY-XCSX	Network Converter for single split (DC power supply type):	UTY-VTGX
Simple Remote Controller (3-wire type):	UTY-RSNYM	External Connect Kit:	UTY-XWZXZG	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple Remote Controller (2-wire type):	UTY-RSRG	Insulation Kit For High Humidity:	UTZ-KXRA	Air Outlet Shutter Plate:	UTR-YDZK
Simple Remote Controller (2-wire type):	UTY-RHRG	Fresh Air Intake Kit:	UTZ-VXRA	IR Receiver Unit:	UTY-LBTGC
(Without operation mode)		External input and output PCB Box:	UTZ-GXRA		
Human Sensor Kit:	UTY-SHZXC	Wide Panel:	UTG-AKXA-W	(Outdoor unit 45/54)	
External Switch Controller:	UTY-TERX	Panel Spacer:	UTG-BKXA-W	External Connect Kit:	UTY-XWZXZ3

Dimensions

(Unit : mm)



() : AUXG18/24LRLB

Floor/ Ceiling Universal



Model : ABHG18LVTB / ABHG24LVTA



Wireless R.C.



AOHG18LBCB



AOHG24LBCB

Specifications

Model No.	Indoor unit		ABHG18LVTB	ABHG24LVTA
	Outdoor unit		AOHG18LBCB	AOHG24LBCB
Power Source		V/Ø/Hz	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	5.20(0.9-5.9)	6.80(0.9-8.0)
		Btu/h	17,700(3,100-20,100)	23,200(3,100-27,300)
	Heating (Min.-Max.)	kW	6.00(0.9-7.5)	8.00(0.9-9.1)
		Btu/h	20,500(3,100-25,600)	27,300(3,100-31,000)
Input Power	Cooling/Heating	kW	1.62/1.66	2.21/2.26
EER	Cooling	W/W	3.21	3.08
COP	Heating		3.61	3.54
Running Current	Cooling/Heating	A	11.5-13.5	14.7-15.7
Moisture Removal		l/h	2.0	2.7
Sound Pressure Level (Cooling/Heating)	Indoor (High)		43/43	48/48
	Outdoor	dB(A)	50/50	53/54
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	780/780	980/980
	Outdoor		2,380/2,080	2,850/2,700
Net Dimensions H x W x D	Indoor	mm	199 x 990 x 655	199 x 990 x 655
		kg(lbs)	27 (60)	27 (60)
Net Weight	Outdoor	mm	632 x 799 x 290	716 x 820 x 315
		kg(lbs)	36 (79)	42 (93)
Piping Connections (Small / Large)		mm	6.35/12.70	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)			25/32	25/32
Max. Pipe Length (Pre-Charge)		m	25 (15)	30 (15)
Max. Height Difference			15	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant			R410A	R410A

Flexible installation

Example for floor installation
Floor console

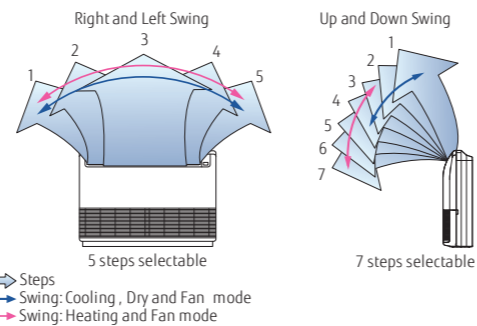


Example for ceiling installation
Under ceiling



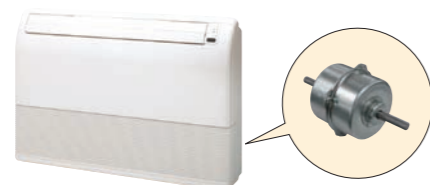
Double auto swing

A combination of right/left and up/down directional swing allows 3-dimensional air direction control

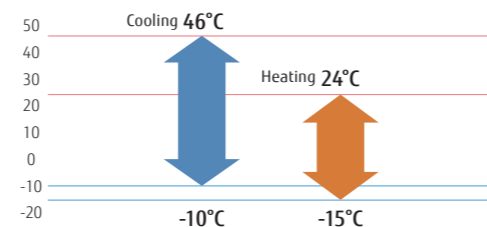


High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Wide operation range

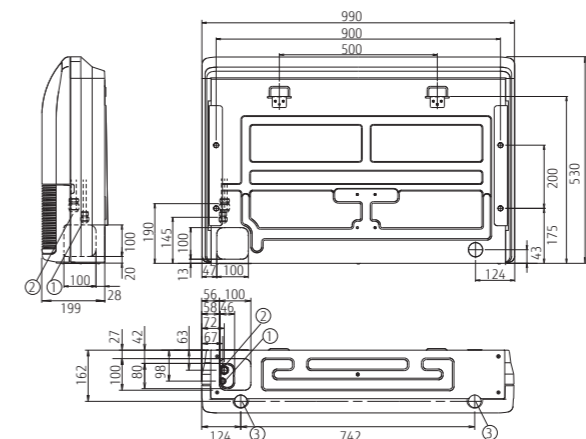


Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- External Switch Controller: UTY-TERX
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)



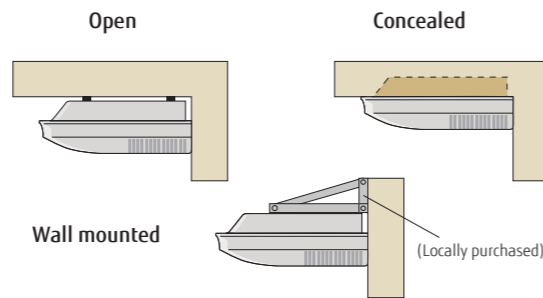
- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

Ceiling



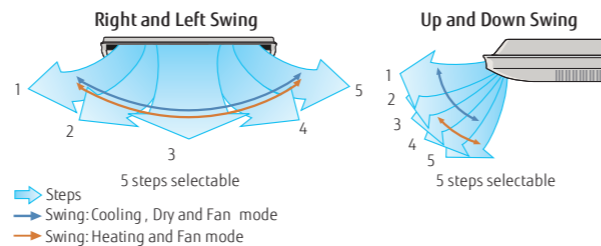
Flexible installation

Various installations are possible to match the room layout.

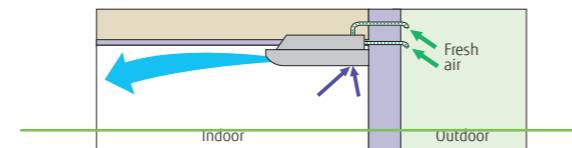


Multi auto swing

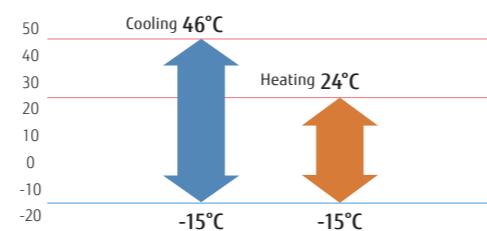
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Wide operation range



Model : ABGG30LRTA-A / ABGG36LRTA-A / ABGG45LRTA-A



Specifications

Model No.	Indoor unit		ABGG30LRTA-A	ABGG36LRTA-A	ABGG45LRTA-A
	Outdoor unit		AOGG30LBTA-A	AOGG36LBTA-A	AOGG45LBTA-A
Power Source		V/Ø/Hz	230/1/50	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	8.50(2.8-10.0)	9.40(2.8-11.2)	12.10(4.0-13.3)
		Btu/h	29,000(9,500-34,100)	32,100(9,500-38,200)	41,300(13,700-45,400)
	Heating (Min.-Max.)	kW	10.00(2.7-11.2)	11.20(2.7-12.7)	13.30(4.2-15.5)
		Btu/h	34,100(9,200-38,200)	38,200(9,200-43,300)	45,400(14,300-52,900)
Input Power	Cooling/Heating	kW	2.54/2.77	2.93/3.02	3.77/3.68
EER	Cooling	W/W	3.35	3.21	3.21
COP	Heating	W/W	3.61	3.71	3.61
Running Current	Cooling/Heating	A	11.1/12.2	12.8/13.2	16.5/16.1
Moisture Removal		l/h	2.5	3.0	4.0
Sound Pressure Level (Cooling/Heating)	Indoor (High)	dB(A)	45/45	47/47	49/49
	Outdoor	dB(A)	53/55	54/55	55/55
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	1,660/1,660	1,900/1,900	2,100/2,100
	Outdoor	m³/h	3,600/3,600	3,800/3,800	6,750/6,200
Net Dimensions H x W x D	Indoor	mm	240 x 1,660 x 700	240 x 1,660 x 700	240 x 1,660 x 700
		kg(lbs)	46.0(101)	46.0(101)	46.0(101)
Net Weight	Outdoor	mm	830 x 900 x 330	830 x 900 x 330	1,290 x 900 x 330
		kg(lbs)	61.0(134)	61.0(134)	86.0(190)
Piping Connections (Small / Large)		mm	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)			22.0/25.6	22.0/25.6	22.0/25.6
Max. Pipe Length (Pre-Charge)		m	50(20)	50(20)	50(20)
Max. Height Difference			30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A

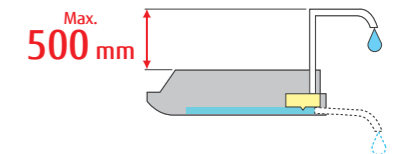
Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller (3-wire type): UTY-RSNGM
- External Connect Kit: UTD-ECS5A
- Drain Pump Unit: UTR-DPB24T
- Wireless LAN Adaptor: UTY-TFNXZ3
- External Connect Kit: UTY-XWZX

- (Outdoor unit 36/45) External Connect Kit: UTY-XWZXZ3

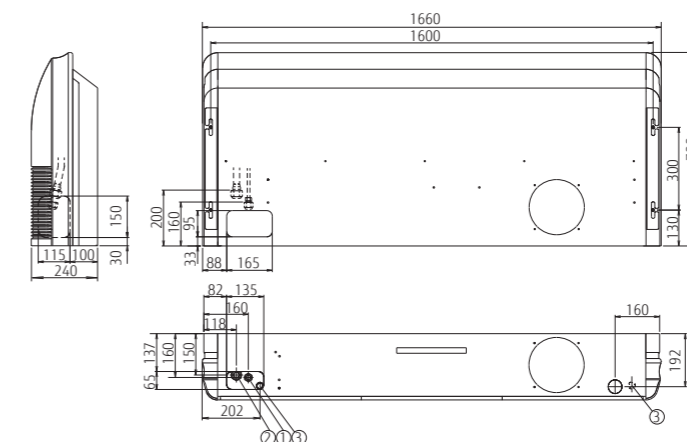
Condensate lift-up mechanism (Option)

Optional drain lift-up mechanism allows flexible installation.



Dimensions

(Unit : mm)



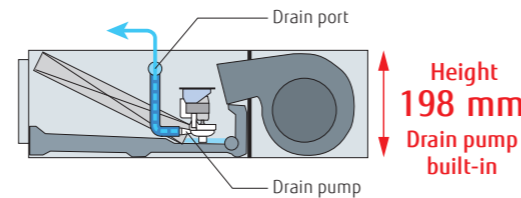
- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

Slim Duct



Slim design

The slim design allows installations where ceilings are narrow. Drain hose as standard accessory



Flexible installation

2-type installation methods of ceiling concealed and floor concealed can be selected.



Selectable with a wide range of static pressure

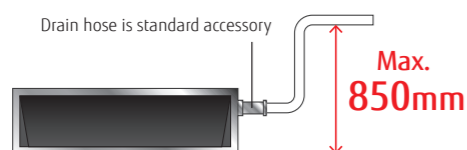
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa. The change of static pressure range is possible by remote controller.



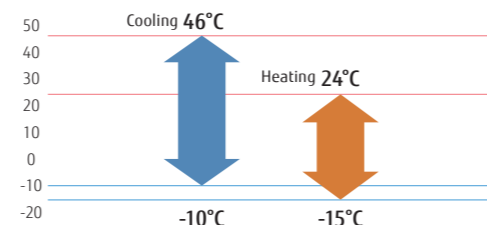
Static pressure range
0 to 90 Pa

Drain pump is standard accessory

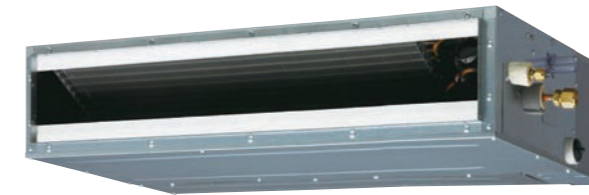
Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.



Wide operation range



Model :ARHG18LLTB



Specifications

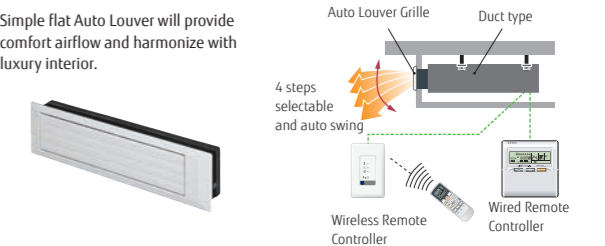
Model No.	Indoor unit		ARHG18LLTB	
	Outdoor unit		AOHG18LBCB	
Power Source		V/Ø/Hz	230/1/50	
Capacity	Cooling (Min.-Max.)	kW	5.20	
		Btu/h	17,700(3,100-20,100)	
Input Power	Cooling/Heating	kW	1.62/1.66	
		W/W	3.21	
EER	Cooling		3.21	
COP	Heating		3.61	
Running Current	Cooling/Heating	A	7.2/7.4	
Moisture Removal		l/h	2.0	
Sound Pressure Level (Cooling/Heating)	Indoor (High)		32	
	Outdoor	dB(A)	50/50	
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	940/940	
	Outdoor		2,380/2,080	
Net Dimensions H x W x D	Indoor	mm	198 x 900 x 620	
		kg(lbs)	23 (51)	
Net Weight	Outdoor	mm	632 x 799 x 290	
		kg(lbs)	36 (79)	
Piping Connections (Small / Large)		mm	6.35/12.70	
Drain Pipe Diameter (I.D./O.D.)			25/32	
Max. Pipe Length (Pre-Charge)		m	25 (15)	
Max. Height Difference			15	
Operation Range	Cooling	°CDB	-10 to 46	
	Heating		-15 to 24	
Refrigerant			R410A	

Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller: UTY-RSNGM
- Wireless LAN Interface: UTY-TFNXZ3
- External Connect Kit: UTD-ECSSA
- Auto Louver Grille Kit: UTD-GXSB-W
- IR Receiver Unit: UTY-LRHGM
- Remote Sensor Unit: UTY-XSZX

Auto Louver Grille Kit (Option)

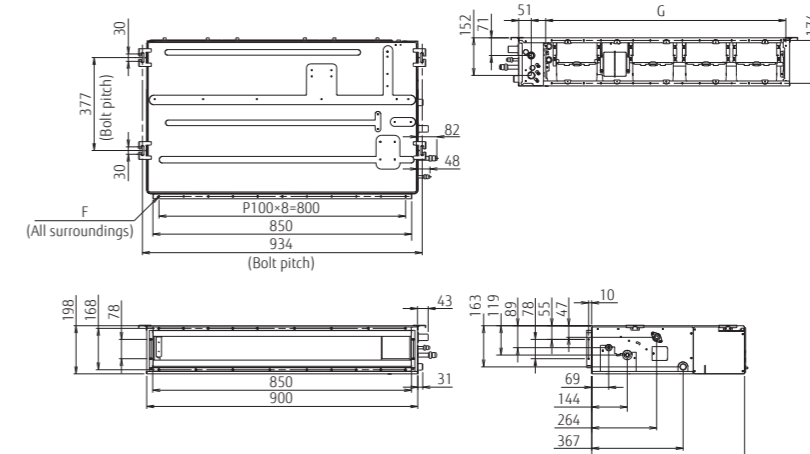
Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.



Dimensions

(Unit : mm)

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

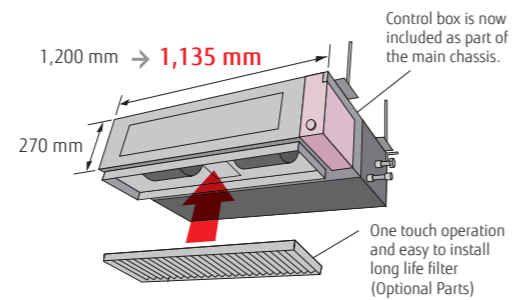


Medium Static Pressure Duct



Slim & Compact design

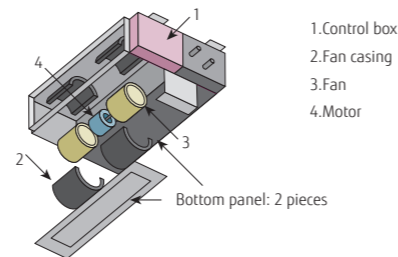
In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270 mm, further space savings have been achieved by mounting the control box internally inside the chassis.



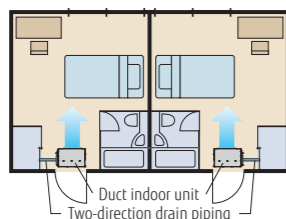
Easy maintenance

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.

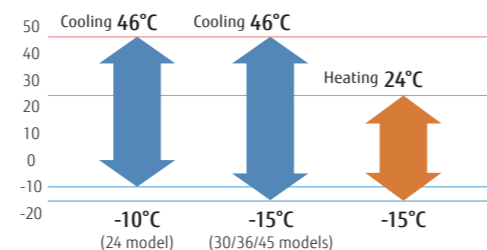
See below for the case of rear suction type



Two-direction drain piping



Wide operation range



Model : ARHG24LMLA / ARGG30LMLA-A / ARGG36LMLA-A / ARGG45LMLA-A



Specifications

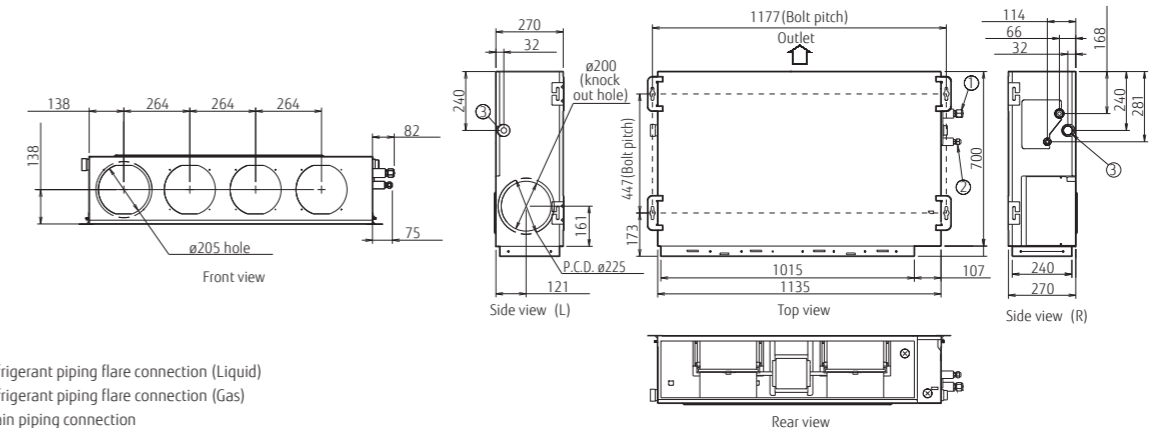
Model No.	Indoor unit		ARHG24LMLA	ARGG30LMLA-A	ARGG36LMLA-A	ARGG45LMLA-A
	Outdoor unit		AOHG24LBCB	AOGG30LBTA-A	AOGG36LBTA-A	AOGG45LBTA-A
Power Source		V/Ø/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	6.80(0.9-8.0)	8.50(2.8-10.0)	9.40(2.8-11.2)	12.10(4.0-13.3)
		Btu/h	23,200(3,100-27,300)	29,000(9,500-34,100)	32,100(9,500-38,200)	41,300(13,700-45,400)
	Heating (Min.-Max.)	kW	8.00(0.9-9.1)	10.00(2.7-11.2)	11.20(2.7-12.7)	13.30(4.2-15.5)
		Btu/h	27,300(3,100-31,000)	34,100(9,200-38,200)	38,200(9,200-43,300)	45,400(14,300-52,900)
Input Power	Cooling/Heating	kW	2.21/2.26	2.65/2.68	2.96/3.10	3.77/3.68
EER	Cooling	W/W	3.08	3.21	3.18	3.21
COP	Heating	W/W	3.54	3.73	3.61	3.61
Running Current	Cooling/Heating	A	14.7/15.7	11.6/11.7	13.0/13.6	16.5/16.1
Moisture Removal		l/h	2.5	2.5	3.0	4.0
Sound Pressure Level (Cooling/Heating)	Indoor (High)		31/31	39/42	39/42	42/42
	Outdoor	dB(A)	53/54	53/55	54/55	55/55
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	1,100/1,100	1,900/2,100	1,900/2,100	2,100/2,100
	Outdoor		2,850/2,700	3,600/3,600	3,800/3,800	6,750/6,200
Net Dimensions H x W x D	Indoor	mm	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700
		kg(lbs)	38.0 (84)	37.0(82)	37.0(82)	39.0(86)
Net Weight	Outdoor	mm	716 x 820 x 315	830 x 900 x 330	830 x 900 x 330	1,290 x 900 x 330
		kg(lbs)	42 (93)	61.0(134)	61.0(134)	86.0(190)
Piping Connections (Small / Large)		mm	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1
Max. Pipe Length (Pre-Charge)		m	30 (15)	50(20)	50(20)	50(20)
Max. Height Difference			20	30	30	30
Operation Range	Cooling	°CDB	-10 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A	R410A

Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM (24)
- Simple Remote Controller (3-wire type): UTY-RSNGM
- Remote Sensor Unit: UTY-XSZX
- Drain Pump Unit: UTZ-PX1NBA
- External Switch Controller: UTY-TERX (24)
- Wireless LAN Adaptor: UTY-TFNXZ3 (30/36/45)
- External Connect Kit: UTD-ECS5A
- Long-Life Filter: UTD-LF25NA
- Flange (Round): UTD-RF204
- Flange (Square): UTD-SF045T
- IR Receiver Unit: UTY-LRHGM
- Network Converter for single split (DC power supply type): UTY-VTGX (24)
- Network Converter for single split (AC power supply type): UTY-VTGXV (24)
- (Outdoor unit 36/45) External Connect Kit: UTY-XWZXZ3

Dimensions

(Unit : mm)



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

High Static Pressure Duct



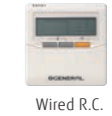
Model : ARHG45LHTA / ARHG54LHTA / ARHG45LHTA [3 phase] / ARHG54LHTA [3 phase] / ARHG60LHTA [3 phase]



ARHG45/54LHTA



ARHG60LHTA



Wired R.C.



AOHG45/54LETL
AOHG45/54/60LATT

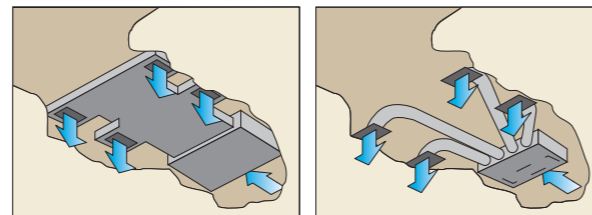
Specifications

Model No.	Indoor unit		ARHG45LHTA	ARHG54LHTA	ARHG45LHTA	ARHG54LHTA	ARHG60LHTA
	Outdoor unit		AOHG45LETL	AOHG54LETL	AOHG45LATT	AOHG54LATT	AOHG60LATT
Power Source	V/Ø/Hz		230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
	Cooling (Min.-Max.)		kW 12.5(5.0-14.0)	13.4(5.0-15.0)	12.5(5.0-14.0)	14.0(5.0-16.0)	15.0(6.0-18.0)
Capacity	Btu/h		42,700(15,400-47,800)	45,700(17,100-49,500)	42,700(17,100-47,800)	47,800(18,400-54,600)	51,200(21,200-60,000)
	Heating (Min.-Max.)		kW 14.0(5.0-16.0)	16.0(6.0-18.0)	14.0(5.0-16.0)	16.0(6.0-18.0)	18.0(6.0-20.0)
Input Power	Btu/h		47,800(17,100-55,300)	54,600(18,800-61,500)	47,800(18,400-55,300)	54,600(19,800-61,500)	61,500(21,200-68,300)
	Cooling/Heating		kW 4.30/3.80	4.77/4.69	4.06/3.67	4.65/4.37	4.70/5.15
EER	W/W		2.91	2.81	3.08	3.01	3.19
	Cooling		3.68	3.41	3.81	3.66	3.50
COP	Heating		19/17	21/21	6/6	7/7	7/8
	Cooling/Heating		A				
Running Current	I/h		1.5	2.0	1.5	2.5	2.0
	Moisture Removal		l/h				
Sound Pressure Level (Cooling/Heating)	Indoor (High)		47/47	47/47	47/47	47/47	45/45
	Outdoor		dB(A) 55/55	55/57	54/54	55/56	56/58
Airflow Rate (Cooling/Heating)	Indoor (High)		3,350/3,350	3,350/3,350	3,350/3,350	3,350/3,350	3,350/3,350
	Outdoor		m ³ /h 6,750/6,200	6,750/6,850	6,750/6,200	6,900/6,900	6,900/7,300
Net Dimensions H x W x D	Indoor		mm 400 x 1,050 x 500	400 x 1,050 x 500	400 x 1,050 x 500	400 x 1,050 x 500	425 x 1,250 x 490
	Outdoor		kg(lbs) 46 (101)	46 (101)	46(101)	46(101)	54(119)
Net Weight	Indoor		mm 1,290 x 900 x 330	1,290 x 900 x 330	1,290 x 900 x 330	1,290 x 900 x 330	1,290 x 900 x 330
	Outdoor		kg(lbs) 86 (189)	86 (189)	104(229)	104(229)	104(229)
Piping Connections (Small / Large)	mm		9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
	Drain Pipe Diameter (I.D./O.D.)		23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max. Pipe Length (Pre-Charge)	m		50 (20)	50 (20)	75(30)	75(30)	75(30)
	Max. Height Difference		30	30	30	30	30
Operation Range	Cooling		-15 to 46	-15 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A	R410A	R410A

High energy efficiency

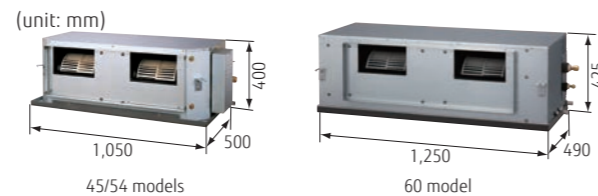
Significantly greater efficiency is realized by using all DC inverter technology. (60 model)

Design also corresponding to high static pressure



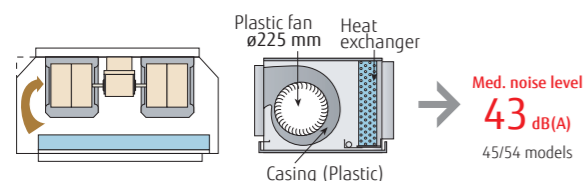
Easy installation (Compact size & Lightweight)

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

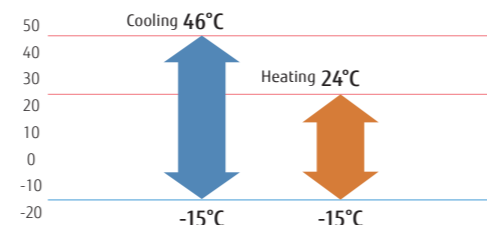


Low noise

Cutting off the corners has enabled less turbulent airflow. Low noise is realized by adopting a plastic case and a plastic fan.



Wide operation range

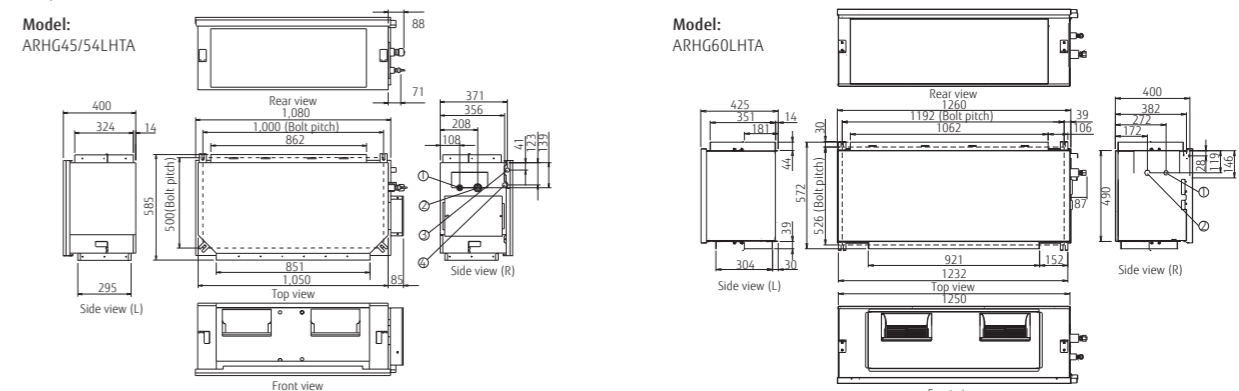


Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- External Switch Controller: UTY-TERX
- Remote Sensor Unit: UTY-XSZX
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- External Connect Kit: UTD-ECS5A
- IR Receiver Unit: UTY-LRHGM (60)
- Long-Life Filter: UTD-LF60KA (45/54)

Dimensions

(Unit : mm)



- 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)

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



Wall Mounted



Model: ASGA18EHFT / ASGA24EHFT
 NEW ASGA18SEFT / NEW ASGA24SEFT



Wireless R.C.



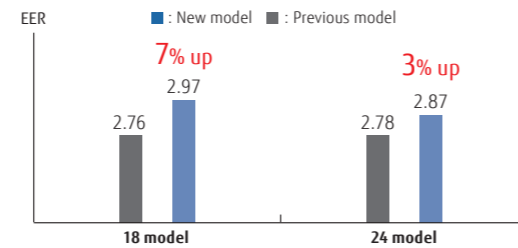
AOGA18/24EHFT
AOGA18/24SEFT

Specifications

Model No.	Indoor unit		ASGA18EHFT	ASGA24EHFT	ASGA18SEFT	ASGA24SEFT
	Outdoor unit		AOGA18EHFT	AOGA24EHFT	AOGA18SEFTH	AOGA24SEFTH
Power Source	V/Ø/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity	Cooling	kW	5.40-5.40	7.15-7.15	5.40-5.40	7.15-7.15
		Btu/h	18,400-18,400	24,400-24,400	18,400-18,400	24,400-24,400
Input Power	Cooling	kW	1.79-1.87	2.44-2.60	1.79-1.87	2.44-2.60
EER	Cooling	W/W	3.02-2.89	2.93-2.75	3.02-2.89	2.93-2.75
Running Current	Cooling	A	8.20-8.20	11.80-12.60	8.20-8.20	11.80-12.60
Moisture Removal	l/h		1.8	2.5	1.8	2.5
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	44	47	44	47
	Outdoor		53-54	54-56	53-54	54-56
Airflow Rate (Cooling)	Indoor (High)	m³/h	1,020	1,150	1,020	1,150
	Outdoor		3,320-3,480	3,070-3,210	3,320-3,480	3,070-3,210
Net Dimensions H x W x D	Indoor	mm	320 x 998 x 238	320 x 998 x 238	320 x 998 x 238	320 x 998 x 238
		kg(lbs)	13.0(28.7)	13.0(28.7)	13.0(28.7)	13.0(28.7)
Net Weight	Outdoor	mm	650 x 830 x 320	650 x 830 x 320	650 x 830 x 320	650 x 830 x 320
		kg(lbs)	47.0(103.6)	55.0(121.3)	47.0(103.6)	55.0(121.3)
Piping Connections (Small / Large)	mm		6.35/15.88	6.35/15.88	6.35/15.88	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)	mm		12/16	12/16	12/16	12/16
Max. Pipe Length (Pre-Charge)	m		20(7.5)	20(7.5)	20(7.5)	20(7.5)
Max. Height Difference	m		8	8	8	8
Operation Range	Cooling	°CDB	21 to 52	21 to 52	21 to 52	21 to 52
Refrigerant			R410A	R410A	R410A	R410A

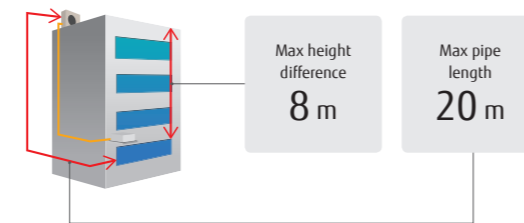
Improve Energy Efficiency

The higher EER is achieved than our previous models*: 230 V



Flexible Piping Installation

Sufficient pipe length and height difference is provided, which enables to enhance the flexibility of installation.



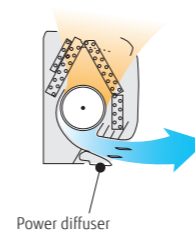
Quiet Operation

Quiet operation sound can expand the applications of the air conditioners.

Operation in **Quiet** Sound level **34 dB(A)**

Power Diffuser

Power diffuser makes it possible for the air flow to reach every corner of the room.



Operation In High Ambient Temperature

The operation is secured under the ambient temperature of up to 52 degrees Celsius in cooling operation.

Cooling **Max. 52 °C**

Washable Front Panel

The front panel is easily detachable and is washable, which enables to the air conditioner always clean.

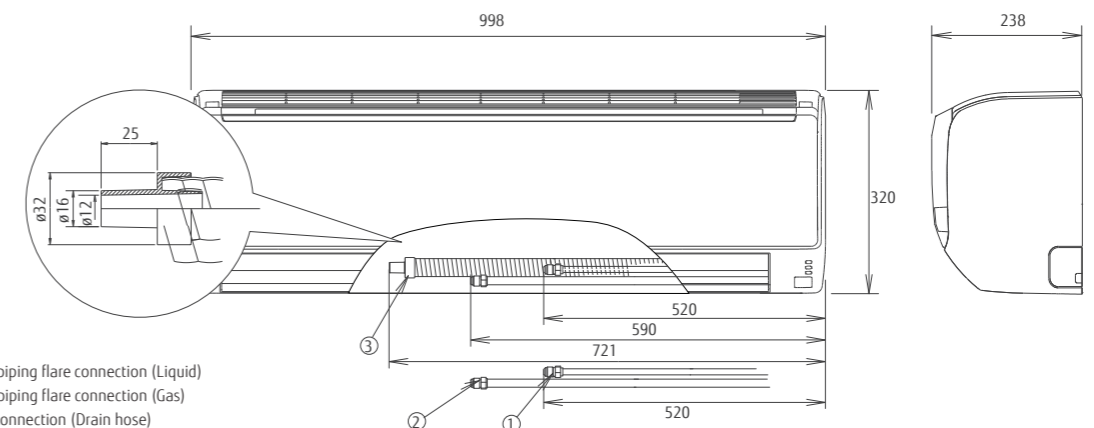


Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller (3-wire type): UTY-RSNGM
- External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)



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

Wall Mounted



Model: ASGA09BMTA-A / ASGA12BMTA-A



Wireless R.C.



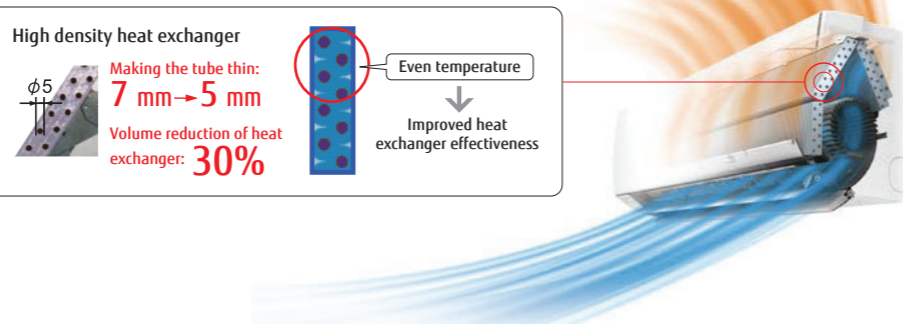
AOGA09BMTA-A
AOGA12BMTA-A

Specifications

Model No.	Indoor unit		ASGA09BMTA-A	ASGA12BMTA-A
	Outdoor unit		AOGA09BMTA-A	AOGA12BMTA-A
Power Source		V/Ø/Hz	220-230-240/1/50	220-230-240/1/50
Capacity	Cooling	kW	2.55-2.55-2.55	3.25-3.25-3.25
		Btu/h	8,700-8,700-8,700	11,000-11,000-11,000
Input Power	Cooling	kW	0.77-0.79-0.82	1.01-1.03-1.06
EER	Cooling	W/W	3.31-3.23-3.11	3.22-3.16-3.07
Running Current	Cooling	A	3.6-3.5-3.5	4.7-4.6-4.6
Moisture Removal		l/h	1.0	1.3
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	39-39-39	39-39-39
	Outdoor		50-51-51	51-51-52
Airflow Rate (Cooling)	Indoor (High)	m³/h	640	640
	Outdoor		1,850-1,880-1,910	1,750-1,780-1,810
Net Dimensions H x W x D	Indoor	mm	262 x 820 x 206	262 x 820 x 206
		kg(lbs)	7.5 (16.5)	7.5 (16.5)
Net Weight	Outdoor	mm	540 x 680 x 252	540 x 680 x 252
		kg(lbs)	23.0 (50.7)	26.0 (57.3)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52
Drain Pipe Diameter (I.D./O.D.)			11.8/15 to 16.8	11.8/15 to 16.8
Max. Pipe Length (Pre-Charge)		m	15(7.5)	15(7.5)
Max. Height Difference			5	5
Operation Range	Cooling	°CDB	21 to 46	21 to 46
Refrigerant			R32	R32

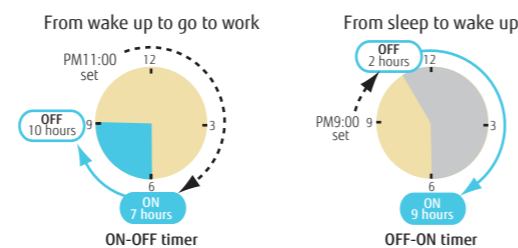
*:Specifications of sound pressure level are provisional for your reference. The contents of formal specifications might be different from these.

High Efficient Compact Design



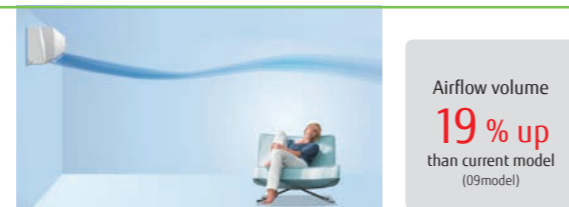
More Convenient Timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)



More Comfort Airflow

Airflow volume is increased more than current model and comfortable cooling is delivered to every corner of the room.



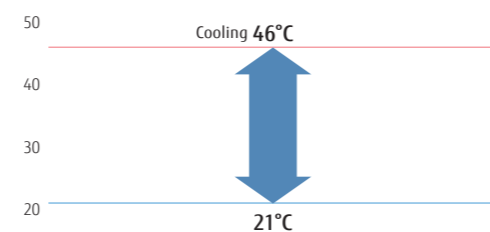
Adopting new refrigerant R32

R32 refrigerant is highly environmentally friendly for the reduction of the global warming potential than another refrigerant.



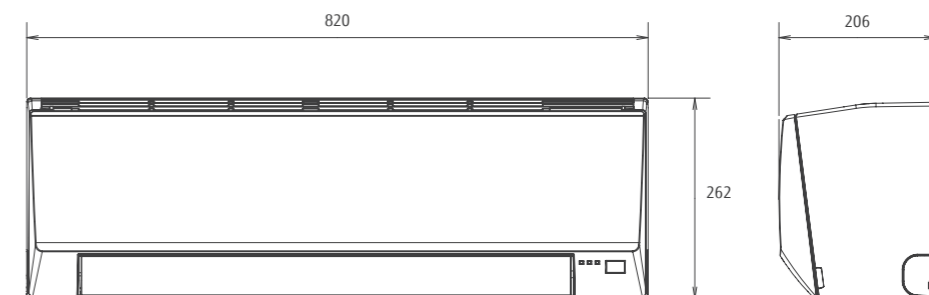
Wide operation range

Improved operation range up to 46°C ambient temperature.



Dimensions

(Unit : mm)



Wall Mounted



Model: ASGA09FNTA / ASGA12FNTA



Wireless R.C.



AOGA09FNTA
AOGA12FNTA

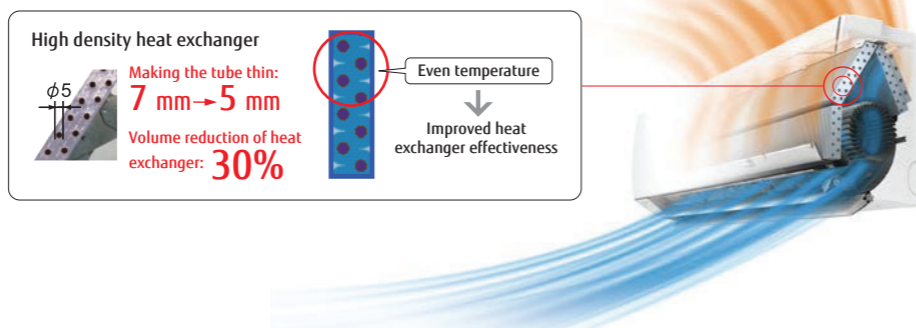
Specifications

Model No.	Indoor unit		ASGA09FNTA	ASGA12FNTA
	Outdoor unit		AOGA09FNTA	AOGA12FNTA
Power Source		V/Ø/Hz	220-240/1/50	220-240/1/50
Capacity	Cooling	kW	2.75-2.75	3.25-3.25
		Btu/h	9,400-9,400	11,100-11,100
Input Power	Cooling	kW	0.91-0.94	1.21-1.28
EER	Cooling	W/W	3.02-2.93	2.69-2.54
Running Current	Cooling	A	4.30-4.10	5.70-5.50
Moisture Removal		l/h	1.0	1.3
Sound Pressure Level (Cooling)	Indoor (High)		39-39	39-39
	Outdoor	dB(A)	50-52	51-52
Airflow Rate (Cooling)	Indoor (High)	m ³ /h	640	640
	Outdoor		1,850-1,910	1,750-1,810
Net Dimensions H x W x D	Indoor	mm	262 x 820 x 206	262 x 820 x 206
		kg(lbs)	7.5 (16.5)	7.5 (16.5)
Net Weight	Outdoor	mm	540 x 680 x 252	540 x 680 x 252
		kg(lbs)	26.0 (57.3)	27.0 (59.5)
Piping Connections (Small / Large)		mm	6.35 / 9.52	6.35 / 9.52
Drain Pipe Diameter (I.D./O.D.)			11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	10(7.5)	15(7.5)
Max. Height Difference			5	8
Operation Range	Cooling	°CDB	21 to 46	21 to 46
Refrigerant			R410A	R410A

*:Specifications of sound pressure level are provisional for your reference. The contents of formal specifications might be different from these.

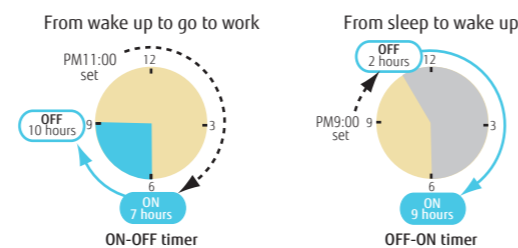
Technology to achieve high efficiency

In the indoor unit, the thin 5mm pipe is used to increase the total number of the pipes in the heat-exchanger enabling to use the entire parts of the heat-exchanger, which enhances the efficiency of heat exchanging.



More Convenient Timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)



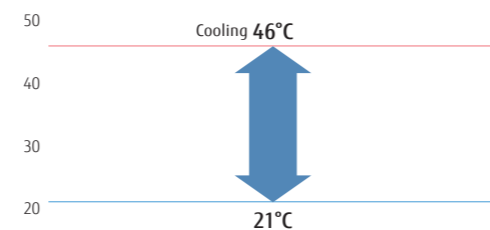
More Comfort Airflow

Airflow volume is increased more than current model and comfortable cooling is delivered to every corner of the room.



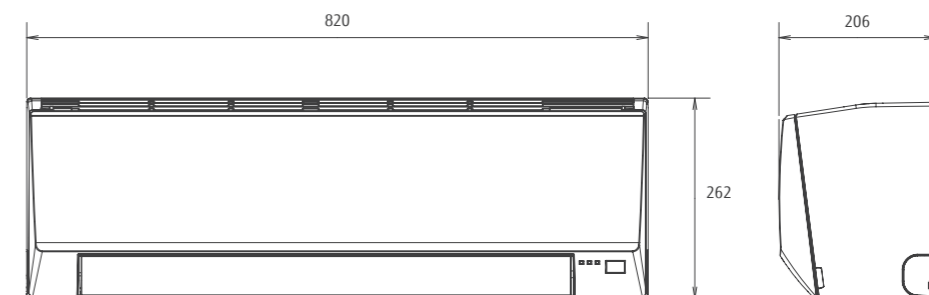
Wide operation range

Improved operation range up to 46°C ambient temperature.



Dimensions

(Unit : mm)



Wall Mounted



Model: ASGA18FMTA-A / ASGA24FMTA-A



Wireless R.C.



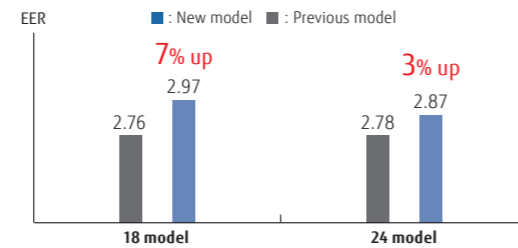
AOGA18FMTAHA
AOGA24FMTAHA

Specifications

Model No.	Indoor unit		ASGA18FMTA-A	ASGA24FMTA-A
	Outdoor unit		AOGA18FMTAHA	AOGA24FMTAHA
Power Source		V/Ø/Hz	220-230-240/1/50	220-230-240/1/50
Capacity	Cooling	kW	5.40-5.40-5.40	7.15-7.15-7.15
		Btu/h	18,400-18,400-18,400	24,400-24,400-24,400
Input Power	Cooling	kW	1.79-1.82-1.87	2.44-2.49-2.60
EER	Cooling	W/W	3.02-2.97-2.89	2.93-2.87-2.75
Running Current	Cooling	A	8.2-8.2-8.2	11.8-12.0-12.6
Moisture Removal		l/h	1.8	2.5
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	44-44-44	47-47-47
	Outdoor		53-54-54	54-55-56
Airflow Rate (Cooling)	Indoor (High)	m³/h	1,020-1,020-1,020	1,150-1,150-1,150
	Outdoor		3,320-3,400-3,480	3,070-3,140-3,210
Net Dimensions H x W x D	Indoor	mm	320 x 998 x 238	320 x 998 x 238
		kg(lbs)	13.0(28.7)	13.0(28.7)
Net Weight	Outdoor	mm	650 x 830 x 320	650 x 830 x 320
		kg(lbs)	47.0(103.6)	55.0(121.3)
Piping Connections (Small / Large)		mm	6.35/15.88	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)			12/16	12/16
Max. Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)
Max. Height Difference			8	8
Operation Range	Cooling	°CDB	21 to 52	21 to 52
Refrigerant			R410A	R410A

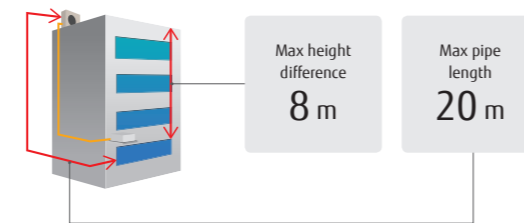
Improve Energy Efficiency

The higher EER is achieved than our previous models*: 230 V



Flexible Piping Installation

Sufficient pipe length and height difference is provided, which enables to enhance the flexibility of installation.



Quiet Operation

Quiet operation sound can expand the applications of the air conditioners.

Operation in

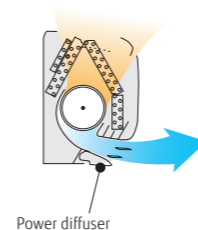
Quiet

Sound level

34 dB(A)

Power Diffuser

Power diffuser makes it possible for the air flow to reach every corner of the room.



Operation In High Ambient Temperature

The operation is secured under the ambient temperature of up to 52 degrees Celsius in cooling operation.

Cooling

Max. 52 °C

Washable Front Panel

The front panel is easily detachable and is washable, which enables to the air conditioner always clean.

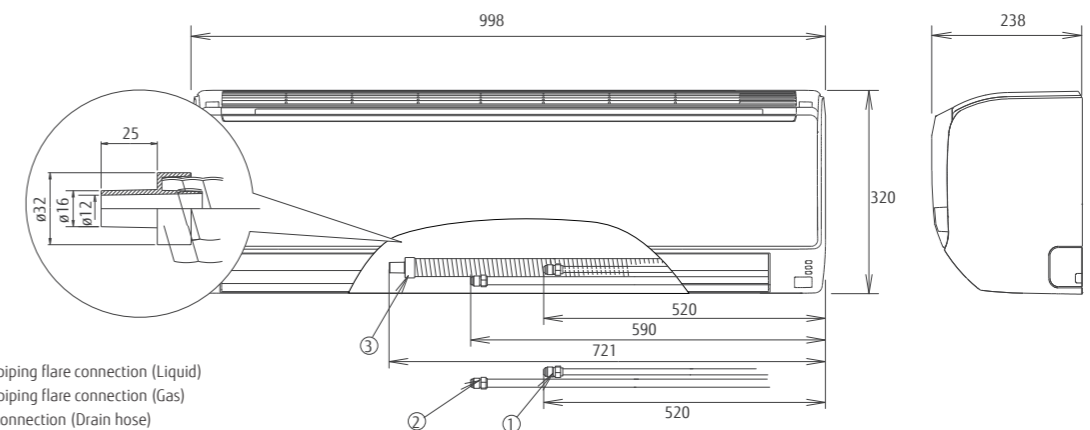


Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller (3-wire type): UTY-RSNGM
- External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)



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

Wall Mounted



Model: ASGA18FUTB / ASGA24FUTB
ASGA30FETA / ASGA36FETA



Specifications

Model No.	Indoor unit		ASGA18FUTB	ASGA24FUTB	ASGA30FETA	ASGA36FETA
	Outdoor unit		AOGA18FUTBR	AOGA24FUTBR	AOGA30FETAS	AOGA36FETAS
Power Source		V/Ø/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Capacity	Cooling	kW	5.65-5.65	7.05-7.05	8.80-8.80	10.55-10.55
		Btu/h	19,300-19,300	24,100-24,100	30,000-30,000	36,000-36,000
Input Power	Cooling	kW	1.71-1.77	2.13-2.19	2.84-2.87	3.23-3.26
EER	Cooling	W/W	3.30-3.19	3.31-3.22	3.07-3.10	3.24-3.27
Running Current	Cooling	A	8.3-8.1	10.2-10.0	13.0-12.3	15.0-14.4
Moisture Removal		l/h	1.0	2.0	3.0	4.5
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	44	46	50	50
	Outdoor		56-57	56-57	53-54	56-57
Airflow Rate (Cooling)	Indoor (High)	m³/h	1,130	1,200	1,380	1,410
	Outdoor		3,400-3,600	3,100-3,300	4,300-4,600	5,700-6,100
Net Dimensions H x W x D	Indoor	mm	340 x 1,150 x 280	340 x 1,150 x 280	340 x 1,150 x 280	340 x 1,150 x 280
		kg(lbs)	16.0 (35.3)	16.0 (35.3)	17.0 (37.5)	17.0 (37.5)
Net Weight	Outdoor	mm	830 x 900 x 330	830 x 900 x 330	914 x 970 x 370	1,290 x 900 x 330
		kg(lbs)	64.0 (141.1)	71.0 (156.5)	79.0 (174.2)	100.0 (220.5)
Piping Connections (Small / Large)		mm	6.35/15.88	6.35/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	20 (7.5)	20 (7.5)	30 (7.5)	30 (7.5)
Max. Height Difference			8	8	15	15
Operation Range	Cooling	°CDB	21 to 52	21 to 52	21 to 52	21 to 52
Refrigerant			R410A	R410A	R410A	R410A

New Technology

Optimized airflow design

1 Dual suction design
Large airflow volume from dual suction

2 New long cross-flow fan
NEW model(+100 mm)

3 High output DC fan motor
Fan Output **36% higher!** than current model

airflow 38% UP!*
*36 class

6 speed control

5-speed fan control with added plus Powerful Cooling mode is provided.

6 Speeds control
5 speed plus more powerful speed control.

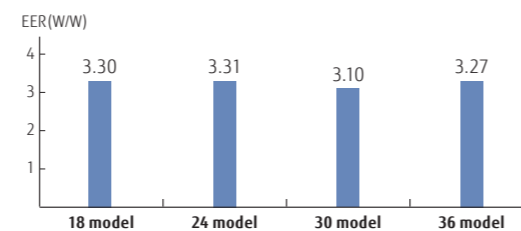
1 Large LCD display
2 Easy to operate new square design
3 One touch Powerful cooling mode
4 Easy to use large cursor key

Airflow 20% up! than current powerful mode

*:One touch powerful cooling mode:
Continuous operation for 30 minutes at maximum air volume

High energy saving

High EER is achieved by the new technologies and new refrigerant.



Operation In High Ambient temperature

Cooling operation is secured up to 52°C degrees Celsius.

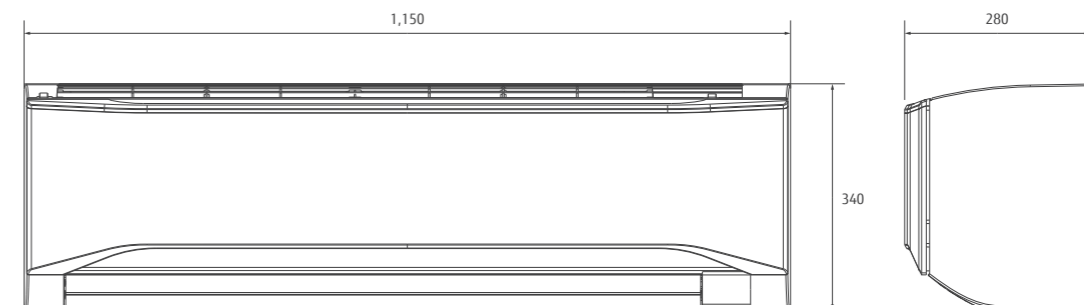


Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller (3-wire type): UTY-RSNGM
- Communication Kit: UTY-XCBXZ3
- External Connect Kit: UTY-XWZXZ5

Dimensions

(Unit : mm)

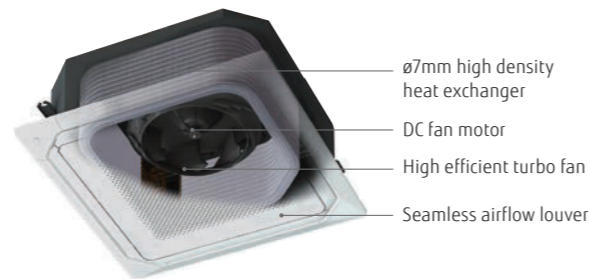


Circular Flow Cassette



Uniform air distribution by the seamless air opening

In new model, the gaps between each airflow openings are removed, which enables to distribute wider and uniform airflow to room.



Circular Flow

Air flows in 360° directions can be distributed to entire room evenly. Comfortable air conditioning can be achieved quickly.



Individual louver control (option)

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 for Energy Saving (Option)

• Human sensor



2 modes can be selected.

- Auto saving** Power is saved while people are away.
- Auto OFF** Operation stops after people go out.

*Touch Panel Wired RC (UTY-RNRGZ3) only

Model: AUGA18FRTA / AUGA25FRTA
AUGA30FRTA / AUGA36FRTA / AUGA45FRTA / AUGA54FRTA



Specifications

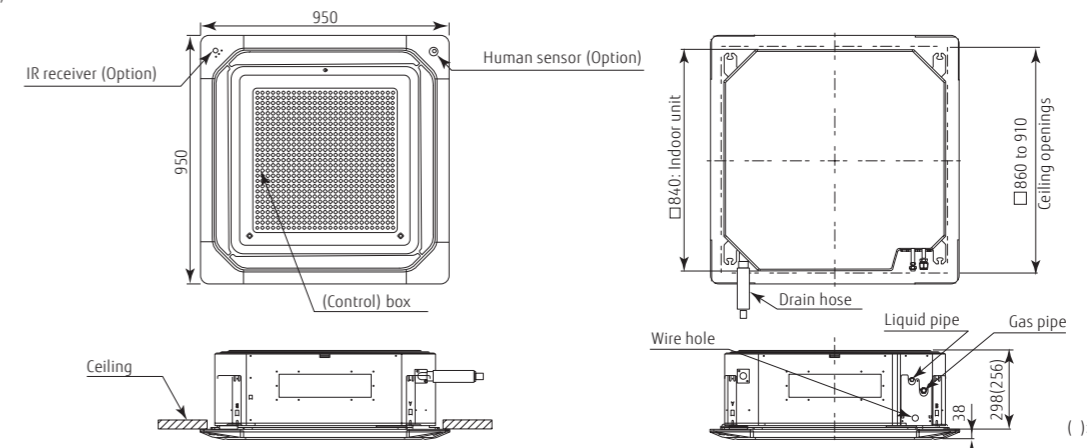
Model No.	Indoor unit		AUGA18FRTA	AUGA25FRTA	AUGA30FRTA	AUGA36FRTA	AUGA45FRTA	AUGA54FRTA
	Outdoor unit		AOGA18FBTBH	AOGA25FBTBH	AOGA30FBTCS	AOGA36FRTCS	AOGA45FRTCS	AOGA54FRTCS
Power Source		V/Ø/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity	Cooling	kW	5.60-5.60	6.68-6.68	8.47-8.47	10.50-10.50	12.54-12.54	13.63-13.63
		Btu/h	19,100-19,100	22,800-22,800	28,900-28,900	35,800-35,800	42,800-42,800	46,500-46,500
Input Power	Cooling	kW	1.47-1.51	1.81-1.91	2.28-2.39	2.99-2.99	3.91-3.91	4.35-4.35
EER	Cooling	W/W	3.81-3.71	3.69-3.50	3.71-3.54	3.51-3.51	3.21-3.21	3.13-3.13
Running Current	Cooling	A	6.70-6.30	8.40-8.50	11.10-10.90	5.20-4.80	6.70-6.30	7.50-7.10
Moisture Removal		l/h	1.6	2.3	2.3	2.9	4.8	5.6
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	35	35	41	45	48	48
	Outdoor	dB(A)	54-54	54-54	54-55	56-57	56-57	56-57
Airflow Rate (Cooling)	Indoor	m³/h	1,150	1,150	1,710	2,000	2,100	2,100
	Outdoor	m³/h	3,060-3,200	3,130-3,300	4,200-4,600	5,700-6,100	5,700-6,100	5,700-6,100
Net Dimensions H x W x D	Indoor	mm	246 × 840 × 840 / 53 × 950 × 950					
		kg(lbs)	24.0(52.9)/6(13)	24.0(52.9)/6(13)	26.5(58.4)/6(13)	29.0(63.9)/6(13)	29.0(63.9)/6(13)	29.0(63.9)/6(13)
Net Weight	Outdoor	mm	288 × 840 × 840 / 53 × 950 × 950					
		kg(lbs)	650 × 830 × 320	830 × 900 × 330	914 × 970 × 370	1,290 × 900 × 330	1,290 × 900 × 330	1,290 × 900 × 330
Piping Connections (Small / Large)		mm	6.35 / 15.88	6.35 / 15.88	9.52 / 15.88	9.52 / 19.05	9.52 / 19.05	9.52 / 19.05
Drain Pipe Diameter (I.D./O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	20 (7.5)	20 (7.5)	30 (7.5)	50 (20)	50 (20)	50 (20)
Max. Height Difference		m	8	15	15	30	30	30
Operation Range	Cooling	°CDB	21 to 52	21 to 52	21 to 52	21 to 52	21 to 52	21 to 52
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Cassette Grille			UTG-UKGB-W	UTG-UKGB-W	UTG-UKGB-W	UTG-UKGB-W	UTG-UKGB-W	UTG-UKGB-W

Optional parts

- Compact Wired Remote Controller: UTY-RCRGZ1
- Wired Remote Controller (Touch Panel): UTY-RNRGZ3
- Wide Panel: UTG-AKXA-W
- Panel Spacer: UTG-BKXA-W
- Cassette Grille: UTG-UKGB-W
- Air Outlet Shutter Plate: UTR-YDZK
- IR Receiver Unit: UTY-LBTGC1
- Wireless LAN Adaptor: UTY-TFNXZ3
- Communication Kit: UTY-TWRXZ1
- External Input and output PCB: UTY-XCSX
- External Connect Kit: UTY-XWZXZG
- External input and output PCB Box: UTZ-GXRA
- Insulation Kit For High Humidity: UTZ-KXRA

Dimensions

(Unit : mm)



(): AUGA18/25FRTA

Medium Static Pressure Duct



Model: ARG18FMTA / ARG25FMTA
ARG30FMTA / ARG36FMTA / ARG45FMTA



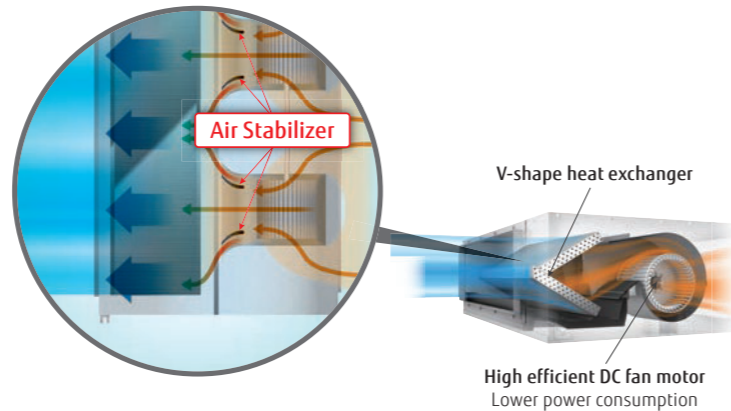
Specifications

Model No.	Indoor unit		ARG18FMTA	ARG25FMTA	ARG30FMTA	ARG36FMTA	ARG45FMTA
	Outdoor unit		AOGA18FBTAH	AOGA25FBTAH	AOGA30FBTAS	AOGA36FBTAS	AOGA45FBTAS
Power Source		V/Ø/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Capacity	Cooling	kW	5.20-5.20	6.45-6.45	8.30-8.30	10.30-10.30	13.50-13.50
		Btu/h	17,800-17,800	22,000-22,000	28,400-28,400	35,000-35,000	46,000-46,000
Input Power	Cooling	kW	1.51-1.53	1.88-1.91	2.40-2.46	3.01-3.01	4.00-4.00
EER	Cooling	W/W	3.44-3.40	3.43-3.38	3.46-3.37	3.42-3.42	3.38-3.38
Running Current	Cooling	A	7.00-6.50	8.80-8.50	11.30-11.10	5.20-5.00	6.90-6.50
Moisture Removal		l/h	1.6	1.9	2.3	3.0	3.3
Static Pressure Range (Min.-Max.)		Pa	30-150	30-150	30-120	30-120	30-120
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	29	31	35	37	40
	Outdoor		54	54	56-57	56-57	56-57
Airflow Rate (Cooling)	Indoor	m³/h	1,050	1,200	1,600	2,000	2,500
	Outdoor		3,200	3,300	4,400-4,400	5,700-6,100	5,700-6,100
Net Dimensions H x W x D	Indoor	mm	270 x 1,135 x 700	270 x 1,135 x 700	300 x 1,000 x 700	300 x 1,400 x 700	300 x 1,400 x 700
	Outdoor		kg(lbs)	38.0 (83.8)	38.0 (83.8)	35 (77.2)	44.0 (97.0)
Net Weight	Outdoor	mm	650 x 830 x 320	830 x 900 x 330	914 x 970 x 370	1,290 x 900 x 330	1,290 x 900 x 330
		kg(lbs)	50.0 (110.2)	63.0 (138.9)	77 (169.8)	100.0 (220.5)	102.0 (224.9)
Piping Connections (Small / Large)			6.35 / 15.88	6.35 / 15.88	9.52 / 15.88	9.52 / 19.05	9.52 / 19.05
Drain Pipe Diameter (I.D./O.D.)		mm	35.7 / 38.1	35.7 / 38.1	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	20 (7.5)	25 (7.5)	30 (7.5)	50 (20)	50 (20)
Max. Height Difference			8	15	15	30	30
Operation Range	Cooling	°CDB	21 to 52	21 to 52	21 to 52	21 to 52	21 to 52
Refrigerant			R410A	R410A	R410A	R410A	R410A

High Efficiency & Quiet operation

Models : ARG30/36/45FMTA

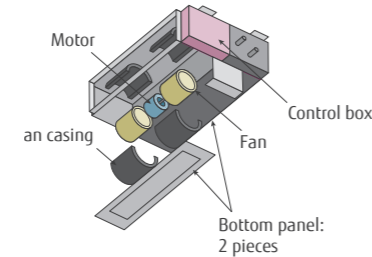
The combination of the V-shaped heat exchanger, air stabilizer, and the high efficient DC fan motor allowed high efficiency and quiet operation.



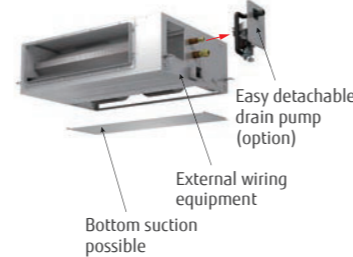
Easy Installation & maintenance

See below for the case of rear suction type

Models : ARG18/25FMTA



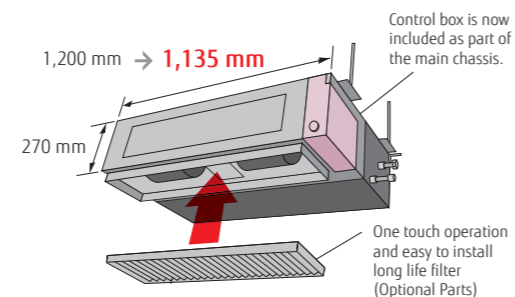
Models : ARG30/36/45FMTA



Slim & Compact design

Models : ARG18/25FMTA

In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270 mm, Further space savings have been achieved by mounting the electrical control box internally inside the chassis.



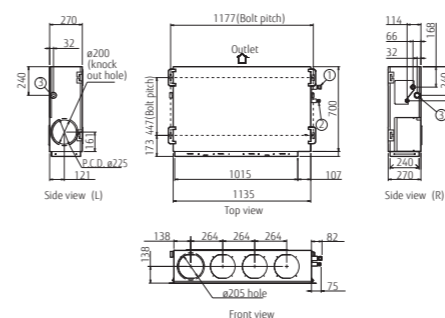
Optional parts

- External Connect Kit: UTD-ECSSA
- Long-Life Filter: UTD-LF25NA (18/24), UTD-LFNB (30), UTD-LFNA (36/45)
- Flange (Round): UTD-RF204 (18/24)
- Flange (Square): UTD-SF045T (18/24)
- Remote Sensor Unit: UTY-XS2X
- Drain Pump Unit: UTZ-PX1NBA (18/24), UTZ-PX1NAA (30/36/45)

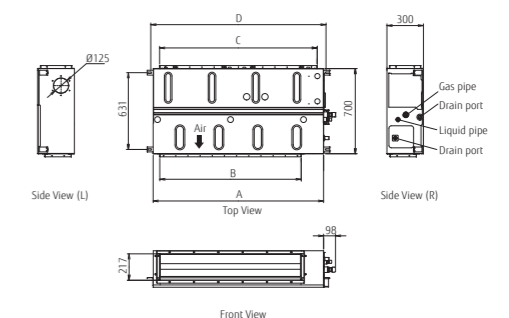
Dimensions

(Unit : mm)

Model: ARG18/25FMTA



Model: ARG30/36/45FMTA



- Refrigerant piping flare connection (Liquid)
- Refrigerant piping flare connection (Gas)
- Drain piping connection

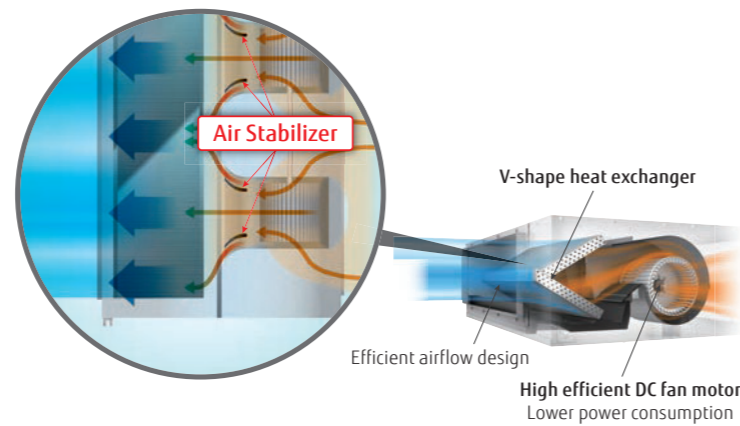
	ARG30FMTA	ARG36/45FMTA
A	1,000	1,400
B	762	1,162
C	895	1,295
D	1,040	1,440

Big Duct



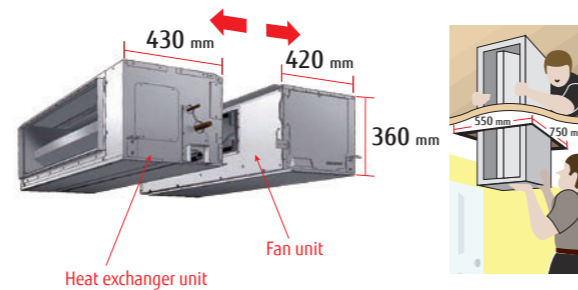
Quiet operation

The combination of the V-shaped heat exchanger, air stabilizer, and the high efficient DC fan motor allowed quiet operation despite of the small structural design.

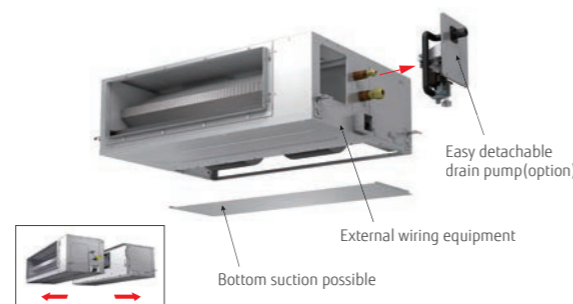


Separation is possible by lightweight compact design

The indoor unit can be separated into fan unit and heat-exchanger unit to assist the installation works.



Easy Installation & maintenance



Model : ARGA60FHTA



Specifications

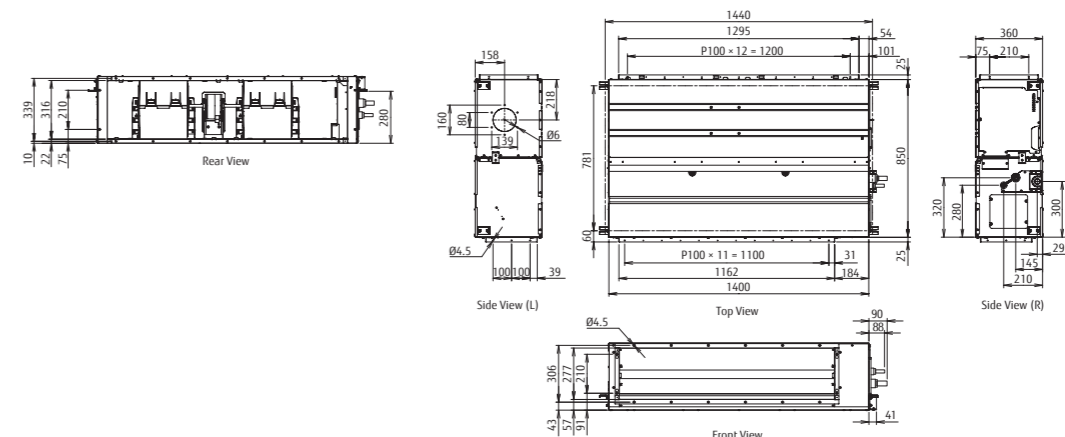
Model No.	Indoor unit		ARGA60FHTA	
	Outdoor unit		AOGA60FRTAS	
Power Source		V/Ø/Hz	380-415/3/50	
Capacity	Cooling	kW	15.20-15.20	
		Btu/h	52,000-52,000	
Input Power	Cooling	kW	4.47-4.47	
EER	Cooling	W/W	3.40-3.40	
Running Current	Cooling	A	7.80-7.50	
Moisture Removal		l/h	3.4	
Static Pressure Range (Min.-Max.)		Pa	60-160	
Sound Pressure Level (Cooling)	Indoor (High)	dB(A)	41	
	Outdoor		56-57	
Airflow Rate (Cooling)	Indoor	m³/h	3,350	
	Outdoor		5,700-6,100	
Net Dimensions H x W x D	Indoor	mm	360 × 1,400 × 850	
	Outdoor	kg(lbs)	67.0 (147.7)	
Net Weight	Indoor	mm	1,290 × 900 × 330	
	Outdoor	kg(lbs)	107.0 (235.9)	
Piping Connections (Small / Large)			9.52 / 19.05	
Drain Pipe Diameter (I.D./O.D.)		mm	25 / 32	
Max. Pipe Length (Pre-Charge)		m	50 (20)	
Max. Height Difference			30	
Operation Range	Cooling	°CDB	21 to 52	
Refrigerant			R410A	

Optional parts

- External Connect Kit: UTD-ECS5A
- Long-Life Filter: UTD-LFKA
- Remote Sensor Unit: UTY-XSZX
- Drain Pump Unit: UTZ-PX1NAA
- External input and output PCB: UTY-XCSX

Dimensions

(Unit : mm)



Feature Summary

Country	★ for Vietnam			Common models										
	Wall Mounted			Wall Mounted	Compact Cassette	Cassette	Circular Flow Cassette	Floor/Ceiling Universal	Ceiling	Slim Duct	Medium Static Pressure Duct	High Static Pressure Duct		
Air Conditioning Type	Cooling only	Heating & Cooling	Cooling only	Heating & Cooling	Cooling only									
Model No.	ASGG 09/12/18/24 CPTA-V	ASGG09LLTB-V ASGG12LLTA-V	ASGG09/12JLTB-V	ASHG 09/12/14 LUCA	ASGG09/12JLCA	ASGA 18/24/30 JCC	AUHG18LVLB AUHG24LVLA	AUGG 30/36/45/54 LRLA-A	AUXG 18/24/30/36/45/54 LRLB	ABHG18LVTB ABHG24LVTA	ABGG 30/36/45 LRTA-A	ARHG18LLTB	ARHG24LMLA ARGG 30/36/45 LMLA-A	ARHG 45/54/60 LHTA
Energy Saving Function	Save human sensor								○					
	Economy mode	●	●	●	●		●	●	●	●	●	●	●	●
	Room temperature set point limitation				○		○		●	○		○		○
	Set temperature auto return				○		○		●	○		○		○
	Energy saving mode													
Comfortable Function	Power diffuser					●								
	Powerful mode	●	●	●	●	●								
	10°C HEAT operation				●		●		●	●	○		○ (60)	
	Low noise mode	○ (24)			●			○ (45/54)		○ (45)			○	
	Auto-changeover	●	●	●	●	●	●	●	●	●	●	●	●	
	Up/down swing flaps	●	●	●	●	●		●	●	●		○		
	Double swing automatic	○ (24)					●			●	●			
	Automatic fan speed	●	●	●	●	●	●	●	●	●	●	●	●	
	Auto restart	●	●	●	●	●	●	●	●	●	●	●	●	
	Connectable fresh air duct							○	●	●	●	●	●	
	Fresh air intake							○	○		○	○	○	
	Connectable distributing duct								●	●		●		
	Individual airflow direction control								●					
	Convenient Function	Auto off timer				○		○		●	○		○	○
Sleep timer		●	●	●	●	●	●			●	●	○	○ (60)	
Program timer		●	●	●	●	●	●			●	●	○	○ (60)	
Weekly timer					●				●					
Weekly + setback timer					○		○		○	○	○	●	●	
Filter sign		●	●	●	●	●		●	●	●	●	●	●	
Clean Function	Wireless LAN control						○	○	○	○	○	○	○	
	Ion deodorization filter				●		●							
	Apple-catechin filter				●		●							
	Washable panel	●	●	●		●	●							
Installation	PM2.5 Filter	●												
	Drain pump as standard						●				●			
	Blue fin	●											●	

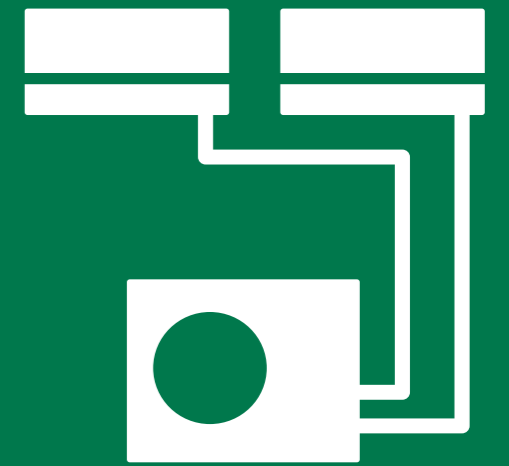
○: Optional function

Feature Summary

Country	for Bangladesh	Common models			Common models		
Type	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Circular Flow Cassette	Medium Static Pressure Duct	Big Duct
Air Conditioning Type	Cooling only	Cooling only			Cooling only		
Model No.	ASGA18/24EHFT ASGA18/24SEFT	ASGA09/12BMTA-A ASGA09/12FNFTA	ASGA18/24FMTA-A	ASGA18/24FUTB ASGA30/36FETA	AUGA18/25/30/36/45/54FRTA	ARGA18/25/30/36/45FMTA	ARGA60FHFTA
Energy Saving Function	Save human sensor						
	Economy mode					●	
	Room temperature set point limitation						
	Set temperature auto return						
	Energy saving mode						
Comfortable Function	Power diffuser	●		●			
	Powerful mode	●		●	●		
	10°C HEAT operation						
	Low noise mode						
	Auto-changeover		●		●	●	●
	Up/down swing flaps		●			●	
	Double swing automatic	●		●	●		
	Automatic fan speed	●		●	●	●	●
	Auto restart	●	●	●	●	●	●
	Connectable fresh air duct					●	●
	Fresh air intake						○
	Connectable distributing duct					●	●
	Individual airflow direction control					●	
	Convenient Function	Auto off timer					
Sleep timer		●	●	●	●		
Program timer			●		●		
Weekly timer						●	
Weekly + setback timer		○		○			●
Filter sign							
Clean Function	Wireless LAN control					○	
	Ion deodorization filter						
	Apple-catechin filter						
	Washable panel	●	●	●			
Installation	PM2.5 Filter						
	Drain pump as standard						
	Blue fin						

○: Optional function

PRODUCT CATEGORY
MULTI-SPLIT



Control several indoor units with one outdoor unit. Build the optimum system you desire.

If you want to keep a large floor as well as many rooms comfortable, we recommend you use Multi-split to build a simple system using one outdoor unit. Choose from a large lineup of indoor units that best matches your rooms. You can mix and match them at will. Build the system that is just right for you.

082 **Outdoor Units Lineup**

088 **Connectable Indoor Units**

090 **2-Unit, 3-Unit, 4-Unit Multi-Split**




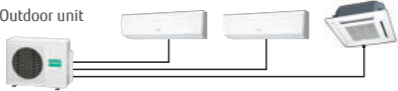

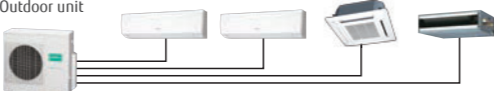




092 **5-Unit, 6-Unit Multi-Split**

094 **Indoor Units Specifications**

098 **Multi-Split Combination Table**

112 **Feature Summary**

Outdoor Units Lineup



Class				18	24	30	36	45
Cooling rated capacity(kW)				5.0	6.8	8.0	10.0	12.5
2-unit, 3-unit, 4-unit Multi-split	2-unit Multi-split Up to 2 units		Outdoor unit 	AOGG18LAC2				
	3-unit Multi-split Up to 3 units		Outdoor unit 		AOGG24LAT3			
	4-unit Multi-split Up to 4 units		Outdoor unit 			AOGG30LAT4		
5-unit, 6-unit, Multi-split	5-unit Multi-split Up to 5 units		Outdoor unit 				AOHG36LBA5	
	6-unit Multi-split Up to 6 units		Outdoor unit 					AOHG45LBA6







Note: 1. 2-unit Multi-split:
Connectable indoor units are 2 units.
AOGG18LAC2: Total capacity of indoor units connected must be between 4.0 kW and 7.0 kW.



2. 3-unit Multi-split :
Connectable indoor units are 2 to 3 units.
AOGG24LAT3: Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.













3. 4-unit Multi-split :
Connectable indoor units are 3 to 4 units.
AOGG30LAT4: Total capacity of indoor units connected must be between 7.9 kW and 14.4 kW.

Connectable Indoor Units

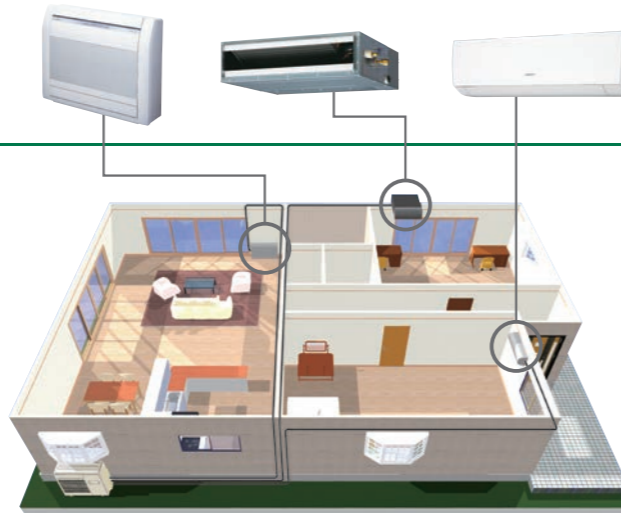
Type	2-unit	3-unit	4-unit	
Model name	AOGG18LAC2	AOGG24LAT3	AOGG30LAT4	
Multi-split Type Outdoor Unit				
Capacity (kW)	Cooling	5.0	6.8	8.0
	Heating	5.6	8.0	9.6

Indoor Unit	BTU	kW Class	2-unit	3-unit	4-unit
 ASGG07/09/12LMCA	7,000	2.0	●	●	●
	9,000	2.5	●	●	●
	12,000	3.5	●	●	●
 ASGG18/24LCA	18,000	5.0	—	●	●
	24,000	7.0	—	—	●
 AUGG09/12/14/18LVLA	9,000	2.5	●	●	●
	12,000	3.5	●	●	●
	14,000	4.0	—	●	●
	18,000	5.0	—	●	●
 ARGG09/12/14LLLA  ARGG18LLLA  ARGG24LLLA	9,000	2.5	●	●	●
	12,000	3.5	●	●	●
	14,000	4.0	—	●	●
	18,000	5.0	—	●	●
	24,000	7.0	—	—	●

Type	5-unit	6-unit	
Model name	AOHG36LBA5	AOHG45LBA6	
Multi-split Type Outdoor Unit			
Capacity (kW)	Cooling	10.0	12.5
	Heating	12.0	13.5

Indoor Unit	BTU	kW Class	5-unit	6-unit
 ASHG07/09/12/14LUCA	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	●	●
 ASHG07/09/12/14LMCA	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
 ASHG18/24LCA, ASHG24LFCC	14,000	4.0	●	●
	18,000	5.0	●	●
 ASHG18/24LCA, ASHG24LFCC	24,000	7.0	●	●
	9,000	2.5	●	●
 AGHG09/12/14LVCA	12,000	3.5	●	●
	14,000	4.0	●	●
	14,000	4.0	●	●
 ABHG14LVTA, ABHG18LVTB	18,000	5.0	●	●
	7,000	2.0	●	●
 AUHG07/09LVLA, AUHG12/14/18LVLB	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	●	●
	18,000	5.0	●	●
	18,000	5.0	●	●
 ARHG07/09LLTA, ARHG12/14LLTB  ARHG18LLTB	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	●	●
 ARHG18LLTB  ARHG07/09/12/14LSLAP  ARHG18LSLAP	18,000	5.0	●	●
	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	●	●
18,000	5.0	●	●	

2-unit,
3-unit,
4-unit
Multi-split

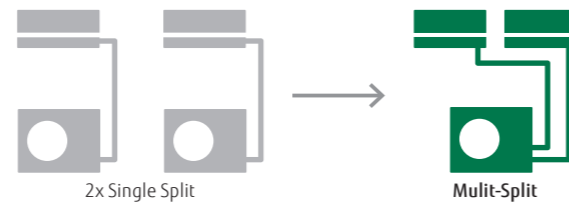


Wide range of indoor units with various models

3 types / 14 models are lined up in the capacity range from 2.0 kW to 7.0 kW class. Wide range of requirements can be realized from in private homes, large shops and hotels.

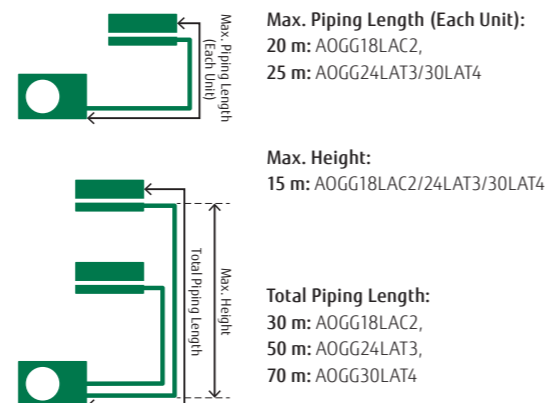
Space-saving installation

Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible. Compared with single type, the outdoor unit can be installed in various places to realize the space-saving installation.



Flexible installation

Up to max. piping length of 70 m (AOGG30LAT4), max. height difference of 15 m can be supported. Multi-split type can be installed in large-size residence or buildings with multiple floors.



2-unit: AOGG18LAC2
3-unit: AOGG24LAT3
4-unit: AOGG30LAT4



Specifications (2-unit, 3-unit, 4-unit)

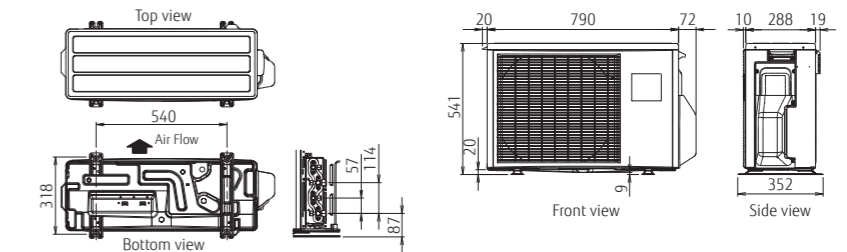
Model No.	AOGG18LAC2		AOGG24LAT3		AOGG30LAT4	
Power Source	V/Ø/Hz		230/1/50		230/1/50	
Rated Capacity (Min.-Max.)	Cooling	kW	5.0(1.7-5.6)	6.8(1.8-8.5)	8.0(3.5-10.1)	
	Heating		5.6(1.8-6.1)	8.0(2.0-9.2)	9.6(3.7-12.0)	
Sound Pressure Level	Cooling	dB(A)	51	50	50	
	Heating		51	51	51	
Net Dimensions H × W × D	mm		540 × 790 × 290		700 × 900 × 330	
Weight	kg(lbs)		38(83.8)		55(121.3)	
Connection Pipe Diameter	Liquid	mm	Ø6.35 × 2		Ø6.35 × 3	
	Gas		Ø9.52 × 2		Ø9.52 × 2, Ø12.70	
Max. Pipe Length	Total / Each	m	30 / 20		50 / 25	
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.	m	15		15	
	Between Indoor Units.		10		10	
Operation Range	Cooling	*CDB	10-46		10 to 46	
	Heating		-10-24		-10 to 24	
Refrigerant			R410A		R410A	

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: 5m, Height difference: 0m. (Outdoor unit - indoor unit)
 *:Connect to connection valve by the adapter.

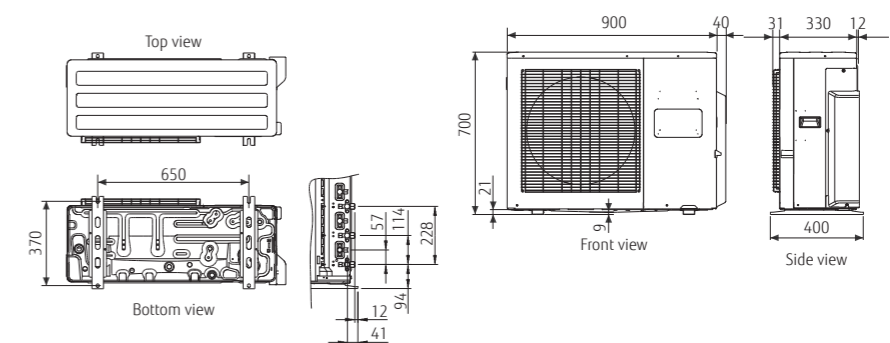
Dimensions

(Unit : mm)

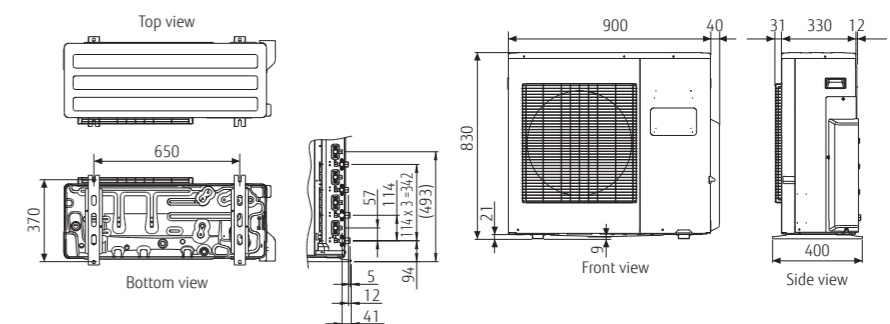
2-unit:
AOGG18LAC2



3-unit:
AOGG24LAT3



4-unit:
AOGG30LAT4



5-unit,
6-unit
Multi-split



5-unit: AOHG36LBLA5
6-unit: AOHG45LBLA6

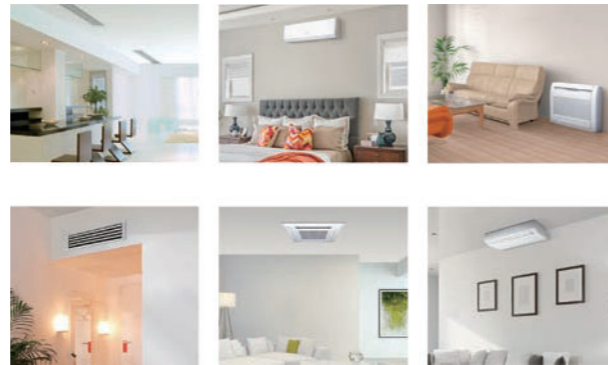


Specifications (5-unit, 6-unit)

Model No.	AOHG36LBLA5		AOHG45LBLA6	
Power Source	230/1/50		230/1/50	
Rated Capacity (Min.-Max.)	Cooling	10.0 (3.5-12.5)	Cooling	12.5 (3.5-14.0)
	Heating	12.0 (3.5-14.0)	Heating	13.5 (3.5-16.0)
Sound Pressure Level	Cooling	53	Cooling	53
	Heating	55	Heating	55
Net Dimensions H × W × D	mm		mm	
Weight	kg(lbs)		kg(lbs)	
Connection Pipe Diameter	Liquid	mm	Liquid	mm
	Gas	mm	Gas	mm
Max. Pipe Length	Total / Each		Total / Each	
	m		m	
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.	m	Between Outdoor Unit and Each Indoor Units.	m
	Between Indoor Units.	m	Between Indoor Units.	m
Operation Range	Cooling	°CDB	Cooling	°CDB
	Heating	°CDB	Heating	°CDB
Refrigerant	R410A		R410A	

Wide range of indoor units with various models

5 types / 30 models are lined up in the capacity range from 2.0 kW to 7.0 kW class. Wide range of requirements can be realized from in private homes, large shops and hotels.



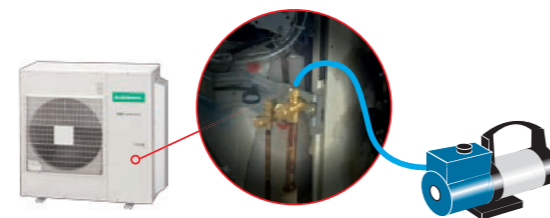
Compact design

Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible. Compared with single type, the outdoor unit can be installed in various places to realize the space-saving installation.



Easy installation

All connected pipes and indoor units can be evacuated quickly via our centralized valve method. Requires evacuation only once



Central & Individual Control

- Batched control of up to 6 indoor units. The temperature, airflow volume, and remote control prohibition settings of all indoor units can be batched.
- Corresponds to 9 different languages (English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)
- Large backlight LED screen
- Large easy-to-see operation panel

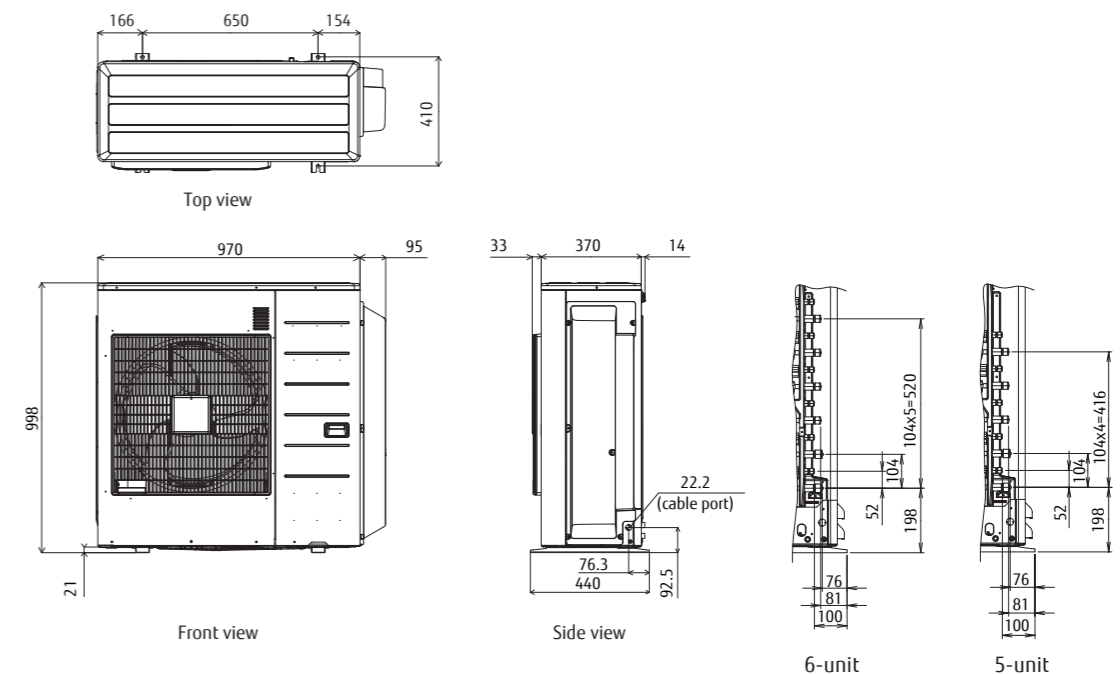
Maximum Controllable
1 multi-split system

Maximum Controllable
6 indoor units



Dimensions

(Unit : mm)





Multi-split Indoor Units Specifications

2-unit to 4-unit Multi-split Indoor Units Specifications

Wall mounted



Model No.	Indoor unit		ASGG07LMCA	ASGG09LMCA	ASGG12LMCA
kW Class	kW		2.0	2.5	3.5
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50
Sound Pressure Level	Cooling	H/M/L/Q	36/32/29/21	37/33/29/21	40/36/30/21
	Heating		36/32/29/22	37/33/29/22	40/36/31/22
Airflow Rate	Cooling	H/M/L/Q	560/500/430/310	600/520/430/310	660/560/450/310
	Heating		560/500/430/330	600/520/430/330	660/560/470/330
Net Dimensions	mm		268 × 840 × 203	268 × 840 × 203	268 × 840 × 203
Weight	kg(lbs)		8.5(18.7)	8.5(18.7)	8.5(18.7)
Connection Pipe Diameter	Liquid/Gas	mm	Ø6.35/Ø9.52	Ø6.35/Ø9.52	Ø6.35/Ø9.52

Wall mounted



Model No.	Indoor unit		ASGG18LFCA	ASGG24LFCA
kW Class	kW		5.0	7.0
Power Source	V/Ø/Hz		230/1/50	230/1/50
Sound Pressure Level	Cooling	H/M/L/Q	43/37/33/26	49/42/37/33
	Heating		42/37/33/25	48/42/37/33
Airflow Rate	Cooling	H/M/L/Q	900/740/620/550	1120/900/740/620
	Heating		900/740/620/550	1100/900/740/620
Net Dimensions	mm		320 × 998 × 238	320 × 998 × 238
Weight	kg(lbs)		14(30.9)	14(30.9)
Connection Pipe Diameter	Liquid/Gas	mm	Ø6.35/Ø12.70	Ø6.35/Ø15.88

Compact cassette



Model No.	Indoor unit		AUGG09LVLA	AUGG12LVLA	AUGG14LVLA	AUGG18LVLA
kW Class	kW		2.5	3.5	4.0	5.0
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Sound Pressure Level	Cooling	H/M/L/Q	33/31/29/27	37/33/31/28	40/35/32/29	42/37/33/29
	Heating		34/32/29/27	37/33/31/28	40/37/34/29	44/40/37/30
Airflow Rate	Cooling	H/M/L/Q	540/490/440/390	610/530/470/410	680/580/490/410	750/610/520/410
	Heating		540/490/440/390	610/530/470/410	700/620/550/430	800/710/600/450
Net Dimensions	mm		245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
Weight	kg(lbs)		15(33.1)	15(33.1)	15(33.1)	15(33.1)
Cassette Grille			UTG-UFGD-W	UTG-UFGD-W	UTG-UFGD-W	UTG-UFGD-W
Connection Pipe Diameter	Liquid/Gas	mm	Ø6.35/Ø9.52	Ø6.35/Ø9.52	Ø6.35/Ø12.70	Ø6.35/Ø12.70

Slim duct



Model No.	Indoor unit		ARGG09LLLLA	ARGG12LLLLA	ARGG14LLLLA	ARGG18LLLLA	ARGG24LLLLA
kW Class	kW		2.5	3.5	4.0	5.0	7.0
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Sound Pressure Level	Cooling	H/M/L/Q	28/27/26/25	29/28/27/26	32/30/28/26	32/31/30/29	33/32/30/29
	Heating		28/26/25/24	29/28/27/24	33/30/28/25	33/32/31/29	35/34/32/29
Airflow Rate	Cooling	H/M/L/Q	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750	1330/1240/1100/1030
	Heating		600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750	1330/1240/1100/1030
Net Dimensions	mm		198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620	198 × 1,100 × 620
Weight	kg(lbs)		19(41.9)	19(41.9)	19(41.9)	23(50.7)	27(59.5)
Connection Pipe Diameter	Liquid/Gas	mm	Ø6.35/Ø9.52	Ø6.35/Ø9.52	Ø6.35/Ø12.70	Ø6.35/Ø12.70	Ø6.35/Ø15.88
External static pressure			0 to 90	0 to 90	0 to 90	0 to 90	0 to 50
Drain pump			Standard	Standard	Standard	Standard	Standard

6-unit Multi-split Combination Table-Cooling

6-unit Multi-split cooling

AOHG45LBLA6	Combination of indoor unit						Cooling Operation							Input Power (Min.-Max.) kW	EER (W/W)
							Cooling Capacity						Total (Min.-Max.) kW		
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	kW	kW	kW	kW	kW				
2-unit connection	12	24	-	-	-	-	3.50	7.00	-	-	-	-	10.5 (3.5-11.5)	3.06 (0.8-3.32)	3.43
	14	24	-	-	-	-	4.00	7.00	-	-	-	-	11.0 (3.5-12.1)	3.28 (0.8-3.70)	3.35
	18	18	-	-	-	-	5.00	5.00	-	-	-	-	10.0 (3.5-11.5)	2.92 (0.8-3.32)	3.42
	18	24	-	-	-	-	5.00	7.00	-	-	-	-	12.0 (3.5-13.4)	3.75 (0.8-4.46)	3.20
	24	24	-	-	-	-	6.25	6.25	-	-	-	-	12.5 (3.5-14.0)	4.01 (0.8-4.84)	3.12
	7	7	24	-	-	-	2.00	2.00	7.00	-	-	-	11.0 (3.5-12.1)	3.19 (0.8-3.70)	3.45
	7	9	18	-	-	-	2.00	2.50	5.00	-	-	-	9.5 (3.5-10.8)	2.55 (0.8-2.93)	3.73
	7	9	24	-	-	-	2.00	2.50	7.00	-	-	-	11.5 (3.5-12.7)	3.41 (0.8-4.08)	3.37
	7	12	18	-	-	-	2.00	3.50	5.00	-	-	-	10.5 (3.5-11.8)	3.02 (0.8-3.51)	3.48
	7	12	24	-	-	-	2.00	3.50	6.90	-	-	-	12.4 (3.5-13.7)	3.82 (0.8-4.65)	3.25
	7	14	14	-	-	-	2.00	4.00	4.00	-	-	-	10.0 (3.5-11.1)	2.81 (0.8-3.13)	3.56

AOHG45LBLA6	Combination of indoor unit						Cooling Operation							Input Power (Min.-Max.) kW	EER (W/W)
							Cooling Capacity						Total (Min.-Max.) kW		
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	kW	kW	kW	kW	kW	kW			
4-unit connection	9	9	9	9	-	-	2.50	2.50	2.50	2.50	-	-	10.0 (3.5-11.5)	2.59 (0.8-3.32)	3.86
	9	9	9	12	-	-	2.50	2.50	2.50	3.50	-	-	11.0 (3.5-12.4)	3.06 (0.8-3.89)	3.59
	9	9	9	14	-	-	2.50	2.50	2.50	4.00	-	-	11.5 (3.5-13.0)	3.33 (0.8-4.27)	3.45
	9	9	9	18	-	-	2.50	2.50	2.50	5.00	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	9	9	9	24	-	-	2.21	2.21	2.21	5.87	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	9	9	12	12	-	-	2.50	2.50	3.50	3.50	-	-	12.0 (3.5-13.4)	3.51 (0.8-4.46)	3.42
	9	9	12	14	-	-	2.50	2.50	3.50	4.00	-	-	12.5 (3.5-14.0)	3.78 (0.8-4.84)	3.31
	9	9	12	18	-	-	2.34	2.34	3.13	4.69	-	-	12.5 (3.5-14.0)	3.75 (0.8-4.84)	3.33
	9	9	12	24	-	-	2.08	2.08	2.78	5.56	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	9	9	14	14	-	-	2.45	2.45	3.80	3.80	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	9	9	14	18	-	-	2.25	2.25	3.50	4.50	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34

6-unit Multi-split Combination Table-Heating





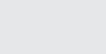































6-unit Multi-split heating

AOHG45LBLA6							Heating Operation												Input Power (Min.-Max.) kW	COP (W/W)	
							Combination of indoor unit						Heating Capacity								Total (Min.-Max.) kW
							Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6			
9	9	9	9	9	9	3.05	3.05	3.05	3.05	-	-	12.2 (3.5-13.1)	3.09 (0.7-3.54)	3.95							
9	9	9	12	12	12	2.93	2.93	2.93	3.91	-	-	12.7 (3.5-14.2)	3.35 (0.7-3.87)	3.79							
7	7	7	7	7	7	2.40	2.40	2.40	2.40	2.40	2.40	12.0 (3.5-12.7)	2.82 (0.7-3.44)	4.26							
7	7	7	7	7	7	2.22	2.22	2.22	2.22	2.22	2.22	13.0 (3.5-14.9)	3.34 (0.7-4.09)	3.89							
7	7	7	7	7	7	1.82	1.82	1.82	1.82	1.82	1.82	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.76							
7	7	7	7	7	7	1.72	1.72	1.72	1.72	1.72	1.72	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90							
7	7	7	7	7	7	1.63	1.63	1.63	1.63	1.63	1.63	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.91							
7	7	7	7	7	7	1.52	1.52	1.52	1.52	1.52	1.52	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.92							
7	7	7	7	7	7	1.42	1.42	1.42	1.42	1.42	1.42	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.93							
7	7	7	7	7	7	1.32	1.32	1.32	1.32	1.32	1.32	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.94							
7	7	7	7	7	7	1.22	1.22	1.22	1.22	1.22	1.22	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.95							
7	7	7	7	7	7	1.12	1.12	1.12	1.12	1.12	1.12	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.96							
7	7	7	7	7	7	1.02	1.02	1.02	1.02	1.02	1.02	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.97							
7	7	7	7	7	7	0.92	0.92	0.92	0.92	0.92	0.92	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.98							
7	7	7	7	7	7	0.82	0.82	0.82	0.82	0.82	0.82	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.99							
7	7	7	7	7	7	0.72	0.72	0.72	0.72	0.72	0.72	13.5 (3.5-16.0)	3.46 (0.7-4.41)	4.00							

AOHG45LBLA6							Heating Operation												Input Power (Min.-Max.) kW	COP (W/W)	
							Combination of indoor unit						Heating Capacity								Total (Min.-Max.) kW
							Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6			
7	9	12	12	12	12	1.82	2.32	3.12	3.12	3.12	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89							
7	7	7	7	7	7	2.01	2.01	2.01	2.01	2.01	2.01	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.82	1.82	1.82	1.82	1.82	1.82	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.72	1.72	1.72	1.72	1.72	1.72	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.62	1.62	1.62	1.62	1.62	1.62	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.52	1.52	1.52	1.52	1.52	1.52	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.42	1.42	1.42	1.42	1.42	1.42	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.32	1.32	1.32	1.32	1.32	1.32	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.22	1.22	1.22	1.22	1.22	1.22	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.12	1.12	1.12	1.12	1.12	1.12	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	1.02	1.02	1.02	1.02	1.02	1.02	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	0.92	0.92	0.92	0.92	0.92	0.92	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	0.82	0.82	0.82	0.82	0.82	0.82	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							
7	7	7	7	7	7	0.72	0.72	0.72	0.72	0.72	0.72	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00							

Note: *7: 7,000 Btu/h, 9: 9,000 Btu/h, 12: 12,000 Btu/h, 14: 14,000 Btu/h, 18: 18,000 Btu/h, 24: 24,000 Btu/h
 •The above is the value for connecting with Wall Mounted type.
 •2 or more indoor units should be connected.
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
 •The Total ability of connected indoor unit is up to 54000 Btu from 27000 Btu.

Feature Summary

Type	Wall Mounted			Compact Cassette**		Floor*5	Floor/Ceiling*5	Slim Duct		Mini Duct*5
Model No.										
Refrigerant	R410A			R410A		R410A	R410A	R410A	R410A	R410A
Energy Saving Function	 Economy mode	●	●	●	●	●	●	●	●	●
	 Room temperature set point limitation	○	○	○	○	○	○	○	○	●
	 Set temperature auto return	○	○	○	○	○	○	○	○	●
Comfortable Function	 Power diffuser	●		●						
	 Powerful mode	●	●							
	 10°C HEAT operation	●	●	●	●	●	●		○	○
	 Low noise mode	●	●							
	 Auto-changeover	●	●	●	●	●	●	●	●	●
	 Up/down swing flaps	●	●		●	●			○	○
	 Double swing automatic			●			●			
	 Automatic fan speed	●	●	●	●	●	●	●	●	●
	 Auto restart	●	●	●	●	●	●	●	●	●
	 Connectable fresh air duct				○					
	 Fresh air intake				○			○	○	○
	Convenient Function	 Auto off timer	○	○	○	○	○	○	○	○
 Sleep timer		●	●	●	●	●	●	○	○	○
 Program timer		●	●	●	●	●	●	○	○	○
 Weekly timer			●							
 Weekly + setback timer		○	○	○	○	○	○	●	●	
 Filter sign		●	●	●	●	●	●	●	●	●
 External error output		○	○	○						
 External ON/OFF input		○	○	○	○	○	○	○	○	○
Clean Function	 Ion deodorization filter	●	●	●		●				
	 Apple-catechin filter	●	●	●		●				
	 Washable panel	●		●		●				
Installation	 Drain pump as standard							●	●	

*1: ASHG07/09/12/14LMCA is for 5-unit, 6-unit multi-split only.

*2: ASHG14LUCA is for 5-unit, 6-unit multi-split only.

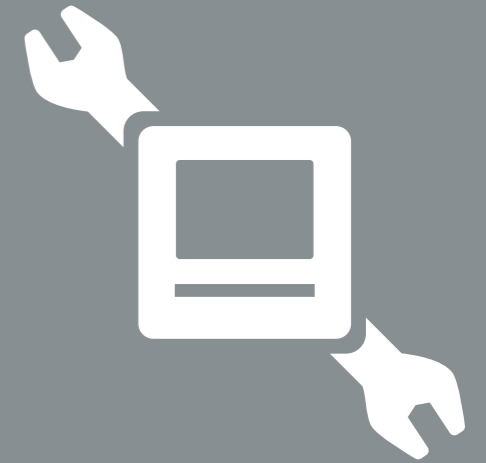
*3: ASHG18/24LFA and ASHG24LFCC are for 5-unit, 6-unit multi-split only.

*4: AUHG07/09LVLA and AUHG12/14/18LVLB are for 5-unit, 6-unit multi-split only.

*5: 5-unit, 6-unit multi-split only

○ : Optional function

PRODUCT CATEGORY
CONTROL SYSTEM
& OPTIONAL PARTS



All indoor units are provided with wireless or wired remote controllers as standard equipment. Other options, such as individual and central remote controllers, are also available.

- 116 **Individual Control**
- 121 **Control System List**
- 128 **Optional Parts**
- 129 **Optional Parts List**
- 136 **Optional Parts Lineup**

Wired Remote Controller (Touch Panel)

UTY-RNRGZ3



Easy operation by high-definition large STN-LCD touch panel screen

- Easy finger touch operation with LCD panel
- Built-in weekly/Daily timer (ON/OFF, Temp., Mode)
- Backlight enables easy operation in a darkened room
- Room temperature display
- Control up to 16 indoor units
- Corresponds to 12 different languages (English, Chinese, French, German, Spanish, Russian, Polish, Italian, Greek, Portuguese, Turkish and Dutch)
- 2-wire type

Maximum Controllable
16 indoor units

Maximum Controllable
1 Group

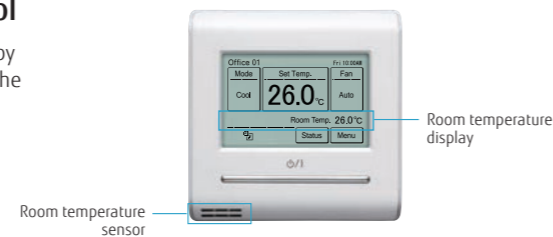
High performance and compact size

In addition to the individual control, weekly timer, and various energy saving controls can be realized using one remote controller only.



Accurate and comfortable control

Indoor temperature can be detected accurately by the inclusion of a thermo sensor in the body of the wired controller.

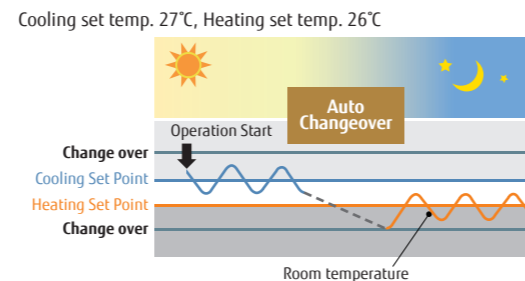


Various energy saving control

Custom Auto

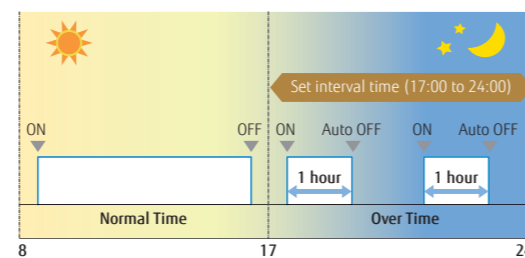
- Maintains 2 separate set points for heating and cooling.
- Automatically changes mode between heating and cooling.

* This function is not available for some models.



Auto OFF timer

- The indoor unit automatically is turned off when it reaches to the preset operating time frame.
- The time frame of the "Auto off timer" can be flexibly scheduled.
- Can be set off time 30 to 240 minutes



Ex.) At interval time hour (17:00 to 24:00) to prevent forgetting to turn off
Set off time : 1 hour

2 schedules Weekly Timer

Set Temperature Auto Return

Set Temperature Upper and Lower Limit Setting

Specifications

Model name	UTY-RNRGZ3
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 20.4
Weight (g)	220

DC 12 V is supplied by the indoor unit.

Wired Remote Controller

UTY-RLRG



- Various timer setup (ON / OFF / WEEKLY) are possible.
- The room temperature can be controlled by detecting the temperature accurately with Built-in thermo sensor.
- When a failure occurs, the error code is displayed.
- Error history. (Last 16 error codes can be accessed.)
- 2-wire type

Maximum Controllable
16 indoor units

Maximum Controllable
1 Group

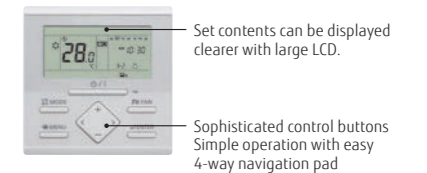
High performance and compact size

In addition to the individual control, weekly timer, and various energy saving controls can be realized using only one remote controller.



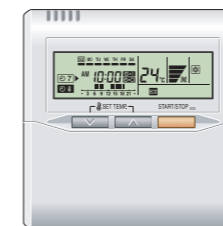
High visibility and easy operation

- "Mode", "Set Temp", and "Fan" are displayed at large size on the top screen.
- Each function to be set is indicated by an icon.
- Control guide is displayed and operation is simple and straightforward.



Wired Remote Controller

UTY-RNNGM

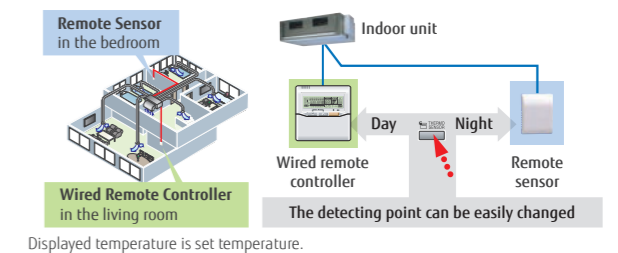


- Simple operation with Built-in Weekly / Daily Timer.
- Control up to 16 indoor units.
- Up to 2 wired remote controllers can be connected to a single indoor unit.

Accurate and comfortable

Indoor temperature can be detected accurately by the inclusion of a thermo sensor in the body of the wired controller. This wired remote controller and the optional remote sensor allows flexibility in sensor location, suitable for all requirements.

Example of changing sensor



Built-in timers

Weekly timer: Possible to set ON/OFF time to operate twice each day of the week.

Setback timer: Possible to set temperature for two times spans and for each day of the week. At "Weekly timer" + "Set back timer" setup

Specifications

Model name	UTY-RLRG	UTY-RNNGM
Power Source	DC 12 V	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 17	120 × 120 × 18
Weight (g)	170	160

DC 12 V is supplied by the indoor unit.

Compact Wired Remote Controller

UTY-RCRGZ1 / UTY-RCRGZ1K

NEW



UTY-RCRGZ1



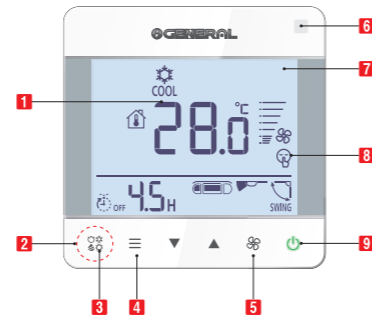
UTY-RCRGZ1K

- Simple design to match the stylish interior
- Easy to install : Body of controller is designed to fit in European standard junction box
- Can be operated both by wireless and wired remote controller.
- 2-wire type

Large screen and simple display

- Although the size is compact, the screen is large
- Large letters makes it easy to see
- Operation is simple and easy-to-understand

- 1 Visible large letter
- 2 Touch key (Frequently-used operation is placed on the direct button)
- 3 Operation mode
- 4 Menu
- 5 Air flow
- 6 Built in IR reciever
- 7 LCD with backlight is clearly visible in the dark
- 8 Easy-to-understand pictograph display
- 9 LED is mounted for the ON/OFF key (Green light on when R.C. is turned on)



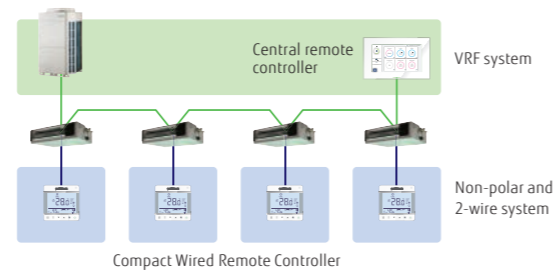
Maximum Controllable
1 single indoor unit

Maximum Controllable
1 Group

System overview

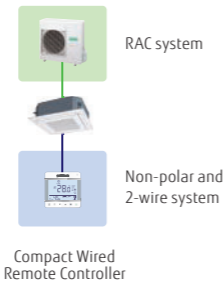
VRF connection

One indoor unit and one remote controller are connected in one non-polar and 2-wire remote controller system.



RAC (Room air conditioner) connection

One indoor unit and one remote controller are connected in one non-polar and 2-wire remote controller system.



Specifications

Model name	UTY-RCRGZ1	UTY-RCRGZ1K
Power Source	DC12V	
Dimensions (H × W × D) (mm)	86 × 86 × 44	
Weight (g)	135	

DC 12 V is supplied by the indoor unit.

Simple Remote Controller

UTY-RSRG / UTY-RHRG (Without operation mode)



UTY-RSRG



UTY-RHRG
(Without operation mode)

Compact remote controller provides access to basic functions

- Up to 16 indoor units can be controlled with one remote controller.
- Suitable for hotels or offices as it is easily operated with no complex functions.
- Stylish design: Simple design to match the stylish interior.
- Large LCD screen & simple operation buttons
- Backlight: White colored backlight on monitor enable easy operation in dark.
- 2-wire type

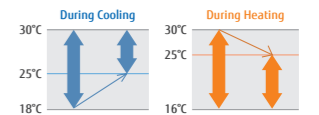
Maximum Controllable
16 indoor units
Maximum Controllable
1 Group

Corresponding to various applications

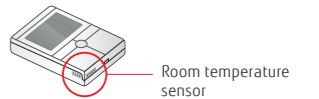
- **Vertical louver control:** Vertical air flow direction can be adjusted for Duct types with auto louver and Cassette types, which are installed in hotels and conference rooms, can be adjusted.



- **Room temperature set point limitation:** The Simple Remote Controller can manage to energy saving operation in small buildings without the central control unit.



- **Built in room temperature sensor:** The Simple Remote Controller detects actual room temperature and controls room climate accuracy.



Simple Remote Controller

UTY-RSNGM



UTY-RSNGM

Compact remote controller provides access to basic functions

- Up to 16 indoor units can be controlled with one remote controller.
- Suitable for hotels or offices as it is easily operated with no complex functions.
- Backlight enables easy operation in a darkened room.
- 3-wire type

Maximum Controllable
16 indoor units
Maximum Controllable
1 Group

Easy-to-use operation

- Provides access to basic operations, such as Start / Stop, Fan control, Operation mode switching, and Room temperature setting.
- A large On / Off button is provided in the centre of the remote controller for easy operation.
- Can be used jointly with other individual control unit.
- Following an error display, diagnostics can be carried out on the controller.

Specifications

Model name	UTY-RSRG	UTY-RHRG	UTY-RSNGM
Power Source	DC 12 V	DC 12 V	DC 12 V
Dimensions (H × W × D) (mm)	120 × 75 × 19.4	120 × 75 × 19.4	120 × 75 × 19.4
Weight (g)	120	120	120

DC 12 V is supplied by the indoor unit.

Wired Remote Controller

UTY-RVNYM

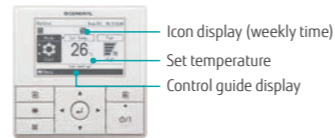


Hi-grade individual control using various functions.

- 3.7-inch LCD backlight screen.
- Supporting various Energy Saving functions with simple operation.
- Multiple Language Support.
(English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)

High visibility and Easy operation

- Icon display of effectual functions.
- Main functions in large icons: "Mode", "Set Temp", and "Fan".
- Easy to operate by Control guide display.
- Simple operation with easy 4-way navigation pad.



Maximum Controllable
16 indoor units

Maximum Controllable
1 Group

High performance and compact size

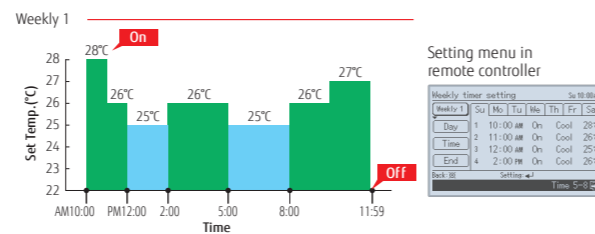
- In addition to the individual control, various energy saving controls can be realized using only one remote controller.



Various energy saving control

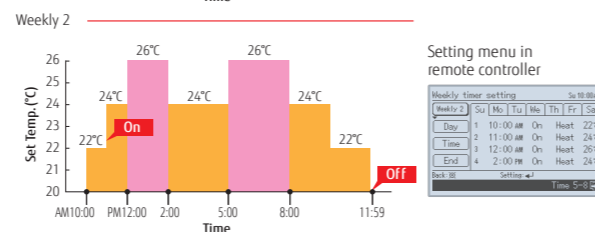
Weekly Timer function

- Can be set up to 8 times per day (On/Off, mode, Temp)
- 2 pattern settings (i.e. Summer/Winter setting) are available.



Auto OFF Timer

- Set Temperature Auto Return
- Set Temperature Upper and Lower Limit Setting

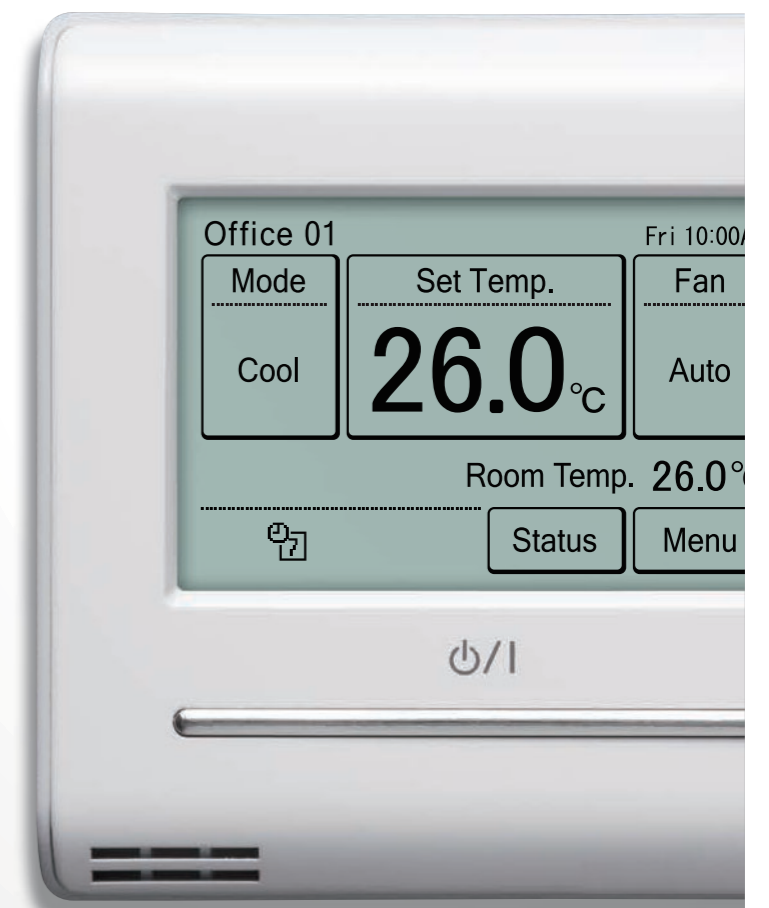


Specifications

Model name	UTY-RVNGM
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 21.3
Weight (g)	220

DC 12 V is supplied by the indoor unit.






















Control System List For Split & Multi-Split



Split Control System List-INVERTER

Country		★ for Vietnam			Common models							Common models					
Type		Wall Mounted			Wall Mounted			Compact Cassette	Cassette	Circular Flow Cassette	Floor/Ceiling Universal	Ceiling	Slim Duct	Medium Static Pressure Duct	High Static Pressure Duct		
Model No.		ASGG 09/12/18/24 CPTA-V	ASGG09LLTB-V ASGG12LLTA-V	ASGG09/12JLTB-V	ASHG 09/12/14 LUCA	ASGG09/12JLCA	ASGA 18/24/30 JCC	AUHG18LVLB AUHG24LVLA	AUGG 30/36/45/54 LRLA-A	AUXG 18/24/30/36/45/54 LRLB	ABHG18LVTB ABHG24LVTA	ABGG 30/36/45 LRTA-A	ARHG18LLTB	ARHG24LMLA ARGG 30/36/45 LMLA-A	ARHG 45/54/60 LHTA		
Controllers	Wired Remote Controller																
						• UTY-RVNGM+ UTY-TWBXF			• UTY-RVNGM		• UTY-RVNGM	• UTY-RVNGM			• UTY-RVNGM (24)	• UTY-RVNGM	
						• UTY-RNNGM+ UTY-TWBXF			• UTY-RNNGM	• UTY-RNNGM	• UTY-RNNGM	• UTY-RNNGM	• UTY-RNNGM	• UTY-RNNGM	• UTY-RNNGM	• UTY-RNNGM	• UTY-RNNGM
	Compact Wired Remote Controller																
	Simple Remote Controller																
	IR Receiver Kit																
Interface	MODBUS® Convertor																
	KNX® Convertor																
	Wireless LAN Interface					• UTY-TFNXZ3				• UTY-TFNXZ3	• UTY-TFNXZ3	• UTY-TFNXZ3	• UTY-TFNXZ3	• UTY-TFNXZ3 (30/36/45)			
	External switch controller					• UTY-TERX				• UTY-TERX	• UTY-TERX	• UTY-TERX		• UTY-TERX (24)	• UTY-TERX		
	Network Convertor for Single Split					• UTY-VTGX UTY-VTGXV				• UTY-VTGX UTY-VTGXV	• UTY-VTGX UTY-VTGXV	• UTY-VTGX UTY-VTGXV		• UTY-VTGX (24) UTY-VTGXV (24)	• UTY-VTGX UTY-VTGXV		

Split Control System List-CONSTANT SPEED

Country		 for Bangladesh	Common models				Common models		
Type		Wall Mounted	Wall Mounted		Wall Mounted	Circular Flow Cassette	Medium Static Pressure Duct	Big Duct	
Model No.		ASGA18/24EHFT ASGA18/24SEFT	ASGA09/12BMTA-A	ASGA09/12FNFTA	ASGA18/24FMTA-A	ASGA18/24FUTB ASGA30/36FETA	AUGA18/25/30/36/45/54FRFTA	ARGA18/25/30/36/45FMTA	ARGA60FHTA
									
Controllers	Wired Remote Controller						● UTY-RNRGZ3		
									
									
			● UTY-RNNGM			● UTY-RNNGM	● UTY-RNNGM		
Compact Wired Remote Controller						● UTY-RCRGZ1 UTY-RCRGZ1K			
Simple Remote Controller	 2-wire type 3-wire type	● UTY-RSNGM		● UTY-RSNGM	● UTY-RSNGM				
IR Receiver Kit	 For Duct For Cassette					● UTY-LBTGC1			
Interface	MODBUS® Convertor								
	KNX® Convertor								
	Wireless LAN Interface						● UTY-TFNXZ3		
	External switch controller								
	Network Convertor for Single Split	 DC Power Supply Type AC Power Supply Type							

Multi-Split Control System List-INVERTER

Type		Indoor Units for 2-unit, 3-unit, 4-unit Multi-split						Indoor Units for 5-unit, 6-unit Multi-split						Outdoor Unit for 5-unit, 6-unit Multi-split	
		Wall Mounted			Compact Cassette	Slim Duct		Wall Mounted			Floor	Floor/Ceiling	Compact Cassette		Slim Duct
Model No.		ASGG 07/09/12 LMCA	ASHG 07/09/12 LUCA	ASGG18/24LFCFA	AUGG 09/12/14/18 LVLA	ARGG 09/12/14/18/24 LLLA	ASHG 07/09/12/14 LUCA	ASHG 07/09/12/14 LMCA	ASHG18LFCFA ASHG24LFCC	AGHG 09/12/14 LVCA	ABHG14LVTA ABHG18LVTB	AUHG07/09LVLA AUHG12/14/18LVLB	ARHG07/09LLTA ARHG12/14/18LLTB	ARHG 07/09/12/14/18 LSLAP	AOHG36LBLA5 AOHG45LBLA6
Controllers														● UTY-RNRGZ3	
														● UTY-RLRG	
		● UTY-RVNGM	● UTY-RVNGM				● UTY-RVNGM	● UTY-RVNGM	● UTY-RVNGM (24)	● UTY-RVNGM	● UTY-RVNGM	● UTY-RVNGM (12/14/18)	● UTY-RVNGM	● UTY-RVNGM	
		● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	
															● UTY-DMMGM
Compact Wired Remote Controller														● UTY-RCRGZ1 UTY-RCRGZ1K	
Simple Remote Controller	 2-wire type 3-wire type	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSNGM	● UTY-RSRG UTY-RHRG UTY-RSNGM	
IR Receiver Kit	 For Duct					● UTY-LRHGM							● UTY-LRHGM	● UTY-LBTGM	
Interface	MODBUS® Convertor													● UTY-VMSX	
	KNX® Convertor													● UTY-VKSX	
	Wireless LAN Interface		● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3	● UTY-TFNXZ3 (07/09)	● UTY-TFNXZ3	
	External switch controller			● UTY-TERX				● UTY-TERX	● UTY-TERX (24)	● UTY-TERX	● UTY-TERX	● UTY-TERX (12/14/18)	● UTY-TERX	● UTY-TERX	
	Network Convertor for Single Split	 DC Power Supply Type AC Power Supply Type		● UTY-VTGX UTY-VTGXV				● UTY-VTGX UTY-VTGXV	● UTY-VTGX (24) UTY-VTGXV (24)	● UTY-VTGX UTY-VTGXV	● UTY-VTGX UTY-VTGXV	● UTY-VTGX (12/14/18) UTY-VTGXV (12/14/18)	● UTY-VTGX UTY-VTGXV	● UTY-VTGX UTY-VTGXV	

Auto Louver Grille Kit

UTD-GXSA-W / UTD-GXSB-W / UTD-GXSC-W

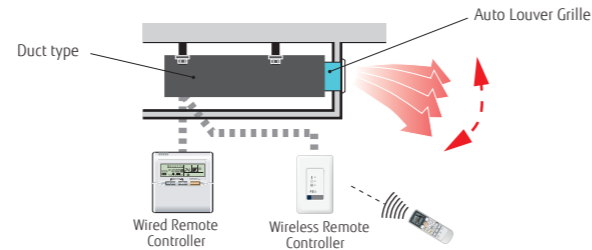


Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.

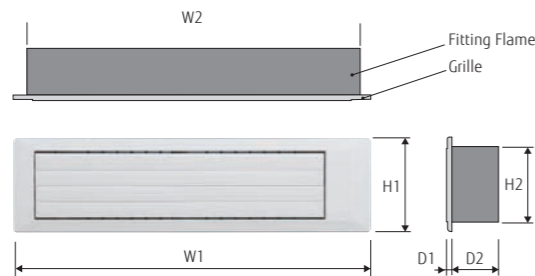


Flexible Control

- **Operation with indoor unit**
Auto Louver can be operated by synchronizing remote controller of indoor unit.
- **UP and Down auto swing**
 - Auto airflow direction and auto swing
 - 4 steps selectable
- **Auto-closing louver**
When operation of indoor unit is stopped, the louver will automatically close.



Dimensions



Model Name	W1	W2	H1	H2	D1	D2
UTD-GXSA-W	683	645				
UTD-GXSB-W	883	845	180	148	9	84
UTD-GXSC-W	1,083	1,045				

Unit:mm

Specifications

Model name	UTD-GXSA-W	UTD-GXSB-W	UTD-GXSC-W		
Applicable Indoor Unit	ARHG07/09LLTA ARHG12/14LLTB ARXD07/09/12/14GALH (For VRF) ARXD07/09/12/14GATH (For VRF) ARXD07/09/12/14LATH (For VRF) ARXK07/09/12/14GCLH (For VRF) ARXK07/09/12/14GALH (For VRF)	ARHG18LLTB ARXD18GALH (For VRF) ARXD18GATH (For VRF) ARXD18LATH (For VRF) ARXK18GCLH (For VRF) ARXK18GALH (For VRF)	ARXD24GALH (For VRF) ARXD24GATH (For VRF) ARXD24LATH (For VRF) ARXK24GCLH (For VRF) ARXK24GALH (For VRF)		
Power Supply	Connecting with Control box of indoor unit				
Fixing of Auto Louver Grille	Screw fixing to Flange or Square Duct				
Extension Square Duct Limit	1.0m (Max. duct length between indoor unit and Grille)				
Net Dimension (H × W × D)	mm	180 × 683 × (84 + 9)	180 × 883 × (84 + 9)	180 × 1,083 × (84 + 9)	
Weight	Net	kg (lbs)	2.0 (4.4)	2.5 (5.6)	3.0 (6.7)
	Gross	kg (lbs)	3.0 (6.7)	3.5 (7.8)	4.0 (8.9)
Color	White				
Louver Motor	Stepping Motor				
Accessories	Fitting Flame, etc.				
Operation range	Cooling	°C	18 to 32		
		% RH	80% or less		
	Heating	°C	16 to 30		

Optional Parts List For Split & Multi-Split



Split Optional Parts List-INVERTER

Country		★ for Vietnam			Common models							Common models				
Type		Wall Mounted			Wall Mounted			Compact Cassette	Cassette	Circular Flow Cassette	Floor/Ceiling Universal	Ceiling	Slim Duct	Medium Static Pressure Duct	High Static Pressure Duct	
Model No.		ASGG 09/12/18/24 CPTA-V	ASGG09LLTB-V ASGG12LLTA-V	ASGG09/12JLTB-V	ASHG 09/12/14 LUCA	ASGG09/12JLCA	ASGA 18/24/30 JCC	AUHG18LVLB AUHG24LVLA	AUGG 30/36/45/54 LRLA-A	AUXG 18/24/30/36/45/54 LRLB	ABHG18LVTB ABHG24LVTA	ABGG 30/36/45 LRTA-A	ARHG18LLTB	ARHG24LMLA ARGG 30/36/45 LMLA-A	ARHG 45/54/60 LHTA	
OTHERS	Human sensor kit									● UTY-SHZXC						
	Remote Sensor Unit													● UTY-XSZX	● UTY-XSZX	
	Cassette Grille							● UTG-UGFD-W	● UTG-UGGA-W	● UTG-UKGA-B UTG-UKGA-W UTG-UKGC-W						
	Auto Louver Grille Kit												● UTD-GXSB-W			
	Flange													● UTD-RF204 UTD-SF045T		
	Drain Pump Unit												● UTR-DPB24T	● UTZ-PX1NBA		
	Wide Panel / Additional Grille								● UTG-AGYA-W	● UTG-AKXA-W						
	Panel Spacer								● UTG-BGYA-W	● UTG-BKXA-W						
	Fresh Air Intake Kit							● UTZ-VXAA	● UTZ-VXGA	● UTZ-VXRA						
	Air Outlet Shutter Plate							● UTR-YDZB	● UTR-YDZC	● UTR-YDZK						
	Insulation Kit For High Humidity							● UTZ-KXGC	● UTZ-KXGA	● UTZ-KXRA						
	Long-life filter													● UTD-LF25NA	● UTD-LF60KA (45/54)	
	Remote controller holder			● UTZ-RXLA	● UTZ-RXLA											
	Protective net						● UTZ-NXCA									
External Connect Kit / Communication Kit	Communication Kit				● UTY-TWBXF UTY-TWBXF2											
	External input and output PCB									● UTY-XCSX						
	External input and output PCB Box									● UTZ-GXRA						
	External Connect Kit (For Indoor)				● UTY-XWZXZ5		● UTY-XWZX	● UTY-XWZX	● UTY-XWZX	● UTY-XWZXZG	● UTY-XWZX	● UTY-XWZX	● UTY-XSZX			
	External Connect Kit (For outdoor)									● UTY-XWZXZ3 (45/54)		● UTY-XWZXZ3 (36/45)	● UTY-XWZXZ3 (36/45)			
	External Control Set								● UTD-ECSSA			● UTD-ECSSA	● UTD-ECSSA	● UTD-ECSSA	● UTD-ECSSA	
	Sub Interface Board															

Split Optional Parts List-CONSTANT SPEED

Country		for Bangladesh	Common models				Common models		
Type		Wall Mounted	Wall Mounted		Wall Mounted	Circular Flow Cassette	Medium Static Pressure Duct	Big Duct	
Model No.		ASGA18/24EHFT ASGA18/24SEFT	ASGA09/12BMTA-A	ASGA09/12FNTA	ASGA18/24FMTA-A	ASGA18/24FUTB ASGA30/36FETA	AUGA18/25/30/36/45/54FRTA	ARGA18/25/30/36/45FMTA	ARGA60FHFA
OTHERS	Human sensor kit								
	Remote Sensor Unit							● UTY-XSZX	● UTY-XSZX
	Cassette Grille						● UTG-UKGB-W		
	Auto Louver Grille Kit								
	Flange							● UTD-RF204 (18/24) UTD-SF045T (18/24)	
	Drain Pump Unit							● UTZ-PX1NBA (18/24) UTZ-PX1NAA (30/36/45)	● UTZ-PX1NAA
	Wide Panel / Additional Grille						● UTG-AKXA-W		
	Panel Spacer						● UTG-BKXA-W		
	Fresh Air Intake Kit								
	Air Outlet Shutter Plate						● UTR-YDZK		
	Insulation Kit For High Humidity						● UTZ-KXRA		
	Long-life filter							● UTD-LF25NA (18/24) UTD-LFNB (30), UTD-LFNA (36/45)	● UTD-LFKA
	Remote controller holder								
Protective net									
External Connect Kit / Communication Kit	Communication Kit					● UTY-XCBXZ3	● UTY-TWRXZ1		
	External input and output PCB						● UTY-XCSX		● UTY-XCSX
	External input and output PCB Box						● UTZ-GXRA		
	External Connect Kit (For Indoor)		● UTY-XWZX		● UTY-XWZX	● UTY-XWZXZ5	● UTY-XWZXZG		
	External Connect Kit (For outdoor)								
	External Control Set							● UTD-ECS5A	● UTD-ECS5A
	Sub Interface Board								




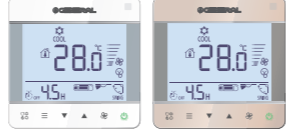




Multi-Split Optional Parts List-INVERTER

		Indoor Units for 2-unit, 3-unit, 4-unit Multi-split						Indoor Units for 5-unit, 6-unit Multi-split						Outdoor Unit for 5-unit, 6-unit Multi-split	
Type		Wall Mounted			Compact Cassette	Slim Duct	Wall Mounted			Floor	Floor/Ceiling	Compact Cassette	Slim Duct	Mni Duct	
Model No.		ASGG 07/09/12 LMCA	ASHG 07/09/12 LUCA	ASGG18/24LFCA	AUGG 09/12/14/18 LVLA	ARAG 09/12/14/18/24 LLLA	ASHG 07/09/12/14 LUCA	ASHG 07/09/12/14 LMCA	ASHG18LFCA ASHG24LFCC	AGHG 09/12/14 LVCA	ABHG14LVTA ABHG18LVTB	AUHG07/09LVLA AUHG12/14/18LVLB	ARHG07/09LLTA ARHG12/14/18LLTB	ARHG 07/09/12/14/18 LSLAP	AOHG36LBLA5 AOHG45LBLA6
Others	Remote Sensor Unit					● UTY-XSZX								● UTY-XSZX	
	Cassette Grille					● UTG-UFGD-W						● UTG-UFGD-W			
	Auto Louver Grille Kit					● UTD-GXSA-W (09/12/14) UTD-GXSB-W (18) UTD-GXSC-W (24)						● UTD-GXSA-W (09/12/14) UTD-GXSB-W (18)	● UTD-GXSA-W (09/12/14) UTD-GXSB-W (18)		
	Fresh Air Intake Kit					● UTZ-VXAA						● UTZ-VXAA			
	Air Outlet Shutter Plate					● UTR-YDZB						● UTR-YDZB			
	Insulation Kit For High Humidity					● UTZ-KXGC						● UTZ-KXGC			
	Half Concealed Kit										● UTR-STA				
External Connect Kit / Communication Kit	Communication Kit	● UTY-XCBXZ2	● UTY-TWBXF UTY-TWBXF2				● UTY-TWBXF UTY-TWBXF2	● UTY-XCBXZ2							
	External input and output PCB														
	External Connect Kit (For Indoor)	● UTY-XWZXZ5	● UTY-XWZXZ5	● UTY-XWZX	● UTY-XWZX	● UTY-XWZX	● UTY-XWZXZ5	● UTY-XWZXZ5	● UTY-XWZX	● UTY-XWZX	● UTY-XWZX	● UTY-XWZX	● UTY-XWZX	● UTY-XWZXZG	
	External Connect Kit (For outdoor)														
	External Control Set					● UTD-ECSSA							● UTD-ECSSA	● UTD-ECSSA	

Optional Parts Lineup

Controllers

For Individual & Centralized Control

Wired Remote Controller UTY-RNRGZ3 	Wired Remote Controller UTY-RLRG 	Wired Remote Controller UTY-RVNGM 	Compact Wired Remote Controller UTY-RCRGZ1 / UTY-RCRGZ1K 
Wired Remote Controller UTY-RNNGM 	Simple Remote Controller UTY-RSRG / UTY-RHRG with operation mode without operation mode 	Simple Remote Controller UTY-RSNGM / UTB-GPB 	Central Remote Controller UTY-DMMGM For 5-unit, 6-unit Multi-split 

Communication devices

Communication Kit


Communication Kit
 UTY-TWBXF / UTY-XCBXZ1 / UTY-XCBXZ2
 For Compact Wall Mounted type



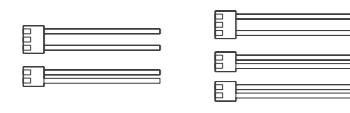
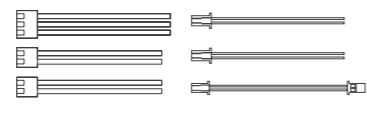
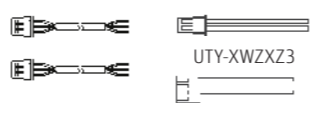
Convertors / Adaptors

External device

Wireless LAN Interface
 UTY-TFNXZ3



External Connect Kit / External Control set

External Connect Kit For Indoor Unit  UTY-XWZX UTY-XWZXZ5	External Control Set For Indoor Unit  UTD-ECS5A	External Connect Kit For Outdoor Unit  UTY-XWZXZ2 UTY-XWZXZ3 UTY-XWZXZ4
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Function list

Type		For Indoor unit			For Outdoor unit		
Model name		UTY-XWZX	UTY-XWZXZ5	UTD-ECS5A	UTY-XWZXZ2	UTY-XWZXZ3	UTY-XWZXZ4
Input	Control	●	●	●	-	-	-
	Peak cut	-	-	-	●	●	-
	Low noise	-	-	-	●	●	-
	Priority	-	-	-	-	●	-
	Emergency stop	-	-	-	-	●	-
Output	Operation status	●	●	●	●	●	-
	Error status	-	●	●*1	●	●	-
	Fresh air control	-	-	●*2	-	-	-
	Auxiliary heater	-	-	●*3	-	-	-
	Preparation	-	-	●*4	-	-	-
Base heater	-	-	-	-	-	●	



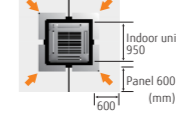
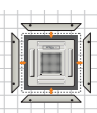
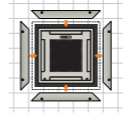





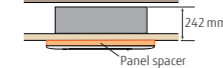

* 1 : This function has been had only wall mounted model such as LT, LU, and LM.
 * 2 : This function has been had only ducted model, cassette model, and ceiling mode.
 * 3 : This function has been had only ducted model.
 * 4 : This cable is necessary for some ducted model.


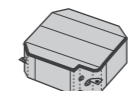


Others

For Duct type

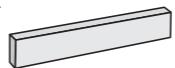
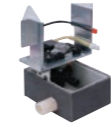

Remote Sensor Unit UTY-XSZX / UTD-RS100 New amenity space can be offered by installing the Remote sensor. 	IR Receiver Kit UTY-LRHGM / UTY-LRHG1 / UTY-LRJG1 	Auto Louver Grille Kit UTD-GXTA-W For 07 / 09 / 12 / 14 type UTD-GXTB-W For 18 type 	Long-Life Filter UTD-LF60KA / UTD-LF25NA 
Flange UTD-RF204 (Round) UTD-SF045T (Square) 	Drain Pump Unit UTZ-PX1NBA / UTZ-PX1BBA For Compact / Medium Static Pressure Duct 		

For Cassette type

Human sensor kit UTY-SHZXC For Circular Flow Cassette 	IR Receiver Kit UTY-LRHGA2 For Cassette UTY-LBTGC For Circular Flow Cassett 	Wide Panel UTG-AKXA-W / UTG-AGYA-W 	Additional Grille UTG-AGDA-W For Compact Cassette 
Additional Grille UTG-AGEA-W 	Cassette Grille UTG-UFGC-W For Circular Flow Cassette 	Cassette Grille (Black panel) UTG-UKGA-B For Circular Flow Cassette 	Cassette Grille (with Remote Controller) UTG-UKGA-W For Circular Flow Cassette 
Cassette Grille UTG-UFGD-W For Compact Cassette 	Cassette Grille UTG-UGGA-W 	Panel Spacer UTG-BKXA-W / UTG-BGYA-W 	Fresh Air Intake Kit UTZ-VXAA For Compact Cassette 

Fresh Air Intake Kit UTZ-VXRA / UTZ-VXGA 	Insulation Kit For High Humidity UTZ-KXGA / UTZ-KXRA / UTZ-KXGC For Compact Cassette / Cassette 	Air Outlet Shutter Plate UTR-YDZB For Compact Cassette Shuts the air outlet when only using as 3 blow out. 	Air Outlet Shutter Plate UTR-YDZC / UTR-YDZK for Cassette / Circular Flow Cassette Shuts the air outlet when only using as 3 blow out. 
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For Floor type For Ceiling type Service & Maintenance

Half Concealed Kit UTR-STA This kit is used to half conceal floor type indoor unit into the wall. 	Drain Pump Unit UTR-DPB24T 	Service Monitoring Tool UTY-ASSX 
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Notice for specifications

I.U. = Indoor Unit O.U. = Outdoor Unit Qu = Quiet * = Not decided yet

- Specifications and design are subject to change without notice for future improvement.
- For further details, please check with our authorised dealer.
- Cooling/Heating capacities are based on the following conditions.

Cooling	Indoor temp. : 27°C DB/19°C WB Outdoor temp.: 35°C DB/24°C WB	Heating	Indoor temp. : 20°C DB Outdoor temp.: 7°C DB/6°C WB
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- Performance test is in accordance with EN14511
- Seasonal efficiency test is in accordance with EN14825
- Sound power test is in accordance with EN12102



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Fujitsu General (Shanghai) Co., Ltd.



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

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



ISO 9001 Certified number: 15917020073R5M
ISO 14001 Certified number: 15915E10020R4M

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