

# PRODUCT CATALOGUE 2024

## AIR CONDITIONERS LINEUP

### 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 on accordance with EN14825
- Sound power test is in accordance with EN12102



Fujitsu General (Thailand) Co., Ltd.



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

Fujitsu General (Shanghai) Co., Ltd.



ISO 9001 Certified number: 01 100 79269  
ISO 14001 Certified number: CNB312244-UK

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



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

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**FUJITSU GENERAL LIMITED**

# 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 DEVELOPMENT & PRODUCTION BASES  
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& PRODUCTION FACILITIES

### 018 CORE TECHNOLOGY

High Efficiency  
High Energy Saving  
More Comfort  
Easy-to-use Control  
Quiet and Comfort Control

#### PRODUCT CATEGORY

##### SPLIT

Split All Type Lineup  
Models by for Vietnam  
Common Models  
Feature Summary

##### MULTI-SPLIT

Outdoor Units Lineup  
Connectable Indoor Units  
2-unit, 3-unit, 4-unit, 5-unit Multi-split  
Indoor Units Specifications  
Multi-Split Combination Table  
Feature Summary

##### CONTROL SYSTEM & OPTIONAL PARTS

Individual Control  
Control System List  
Optional Parts  
Optional Parts List  
Quick service & maintenance  
Optional Parts Lineup

# OUR MESSAGE

## INNOVATION & GLOBALIZATION

Providing a Brand New Tomorrow to  
Everyone on Earth

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# History

Yaou Shoten Ltd. established in 1936

## Overseas air conditioning business since 1971

Starts air conditioning business in Japan in 1960

**1971** Air conditioner exports to the Middle East.

**1977** "Super Power, Super Quiet" Series released

**1982** Window type 3 Super Series released



**AL/AX Series**

**1985** Large wall-mounted type and multi-split air conditioner released.

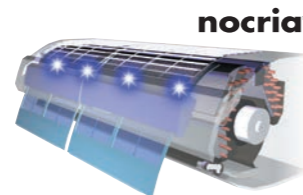
**WORLD'S FIRST** \*1,\*2 **1991** World's first air conditioner equipped with lambda heat exchanger

**1994** World's first air conditioner with power diffuser

**2001** AIRSTAGE Series released VRF air conditioners for large buildings



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



**2004** Standalone Compact VRF AIRSTAGE J Series released



**2006** VRF Heat Pump type Maximum 42 HP AIRSTAGE V Series released



**2009** VRF Heat Pump Modular type Maximum 48 HP AIRSTAGE V-II Series released



**2009** Air to water system released

**WATERSTAGE**

**For Light commercial use**

**2011** High energy-saving type AIRSTAGE J-II Series released

**2014** Compact & lightweight outdoor unit AIRSTAGE J-IIS equipped with a single fan for improved ease of installation

**2016** Compact VRF AIRSTAGE J-III Series with advanced energy efficiency and easy installation released



**2017-19** Compact VRF AIRSTAGE J-IIIIL Series for light commercial use released

**2020** Compact & lightweight outdoor unit AIRSTAGE J-IVL, J-IV, J-IVS Series released



**2019** New cassette style released  
**3D Flow Cassette**

**For Commercial use**

**2012** Heat Recovery Modular type AIRSTAGE VR-II Series Maximum 48 HP released



**2014-15** Heat Pump Modular type AIRSTAGE V-III Series Maximum 54 HP for large buildings released

**2020** AIRSTAGE Air handling unit released

**2020** Heat Recovery type AIRSTAGE VR-IV Series Maximum 48 HP released

**For Residential use**

**2011** Hi-spec Design model LT Series & LU Series released



**2017** Flagship Wall-mounted type "nocria X" released



**2017-19** Added to this lineup recently are the environment-friendly R32 refrigerant models. (Split & Multi-split type)



**For Residential use**

## Wall-mounted type



for Vietnam

New cooling-only inverter wall-mounted series has been released. It has achieved the top rank of energy label, and a built-in filter cleans the air in the room.



## Common models



For cooling-only wall-mounted models, 18 and 24kBtu models are added to the new lineup.

For heating and cooling inverter wall-mounted models, two new series have been released. They adopted different new designs, giving luxury to the installation spaces.



1950 ~

1970 ~

2000 ~

2010 ~

2024 What's New

## Manufacturing Company Establishment

**1955** Head Office established 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 manufacturing, sale, and service company in China

**2007** Air Conditioner Technology Building becomes operational on the premises of the Kawasaki Headquarters. Air conditioner R&D Center in Kawasaki

**2009** Compressor Factory begins operation in Thailand

**2012** Joint venture in Thailand to manufacture compressors



**2016** Commercial use air conditioner R&D Center in Thailand

**2019** New building constructed at Kawasaki Head Office to strengthen development capabilities



**2020** Building IoT-based manufacturing in Thailand



**2023** FGAI R&D New Office: FGAI Research & Development office moved to the new office in New Jersey, USA



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



Fujitsu General (EURO) GmbH

## Sales & service maintenance company established

**1976** North America sales company

**1977** Europe sales company (UK)

**1978** Australia sales company and Europe sales company (Germany)

**1980** Brazil sales company

**1997** Asia sales company (Singapore)

**1998** Middle East sales company (UAE) and New Zealand sales company

**2000** Air conditioner manufacturing and sale technical partnership in India

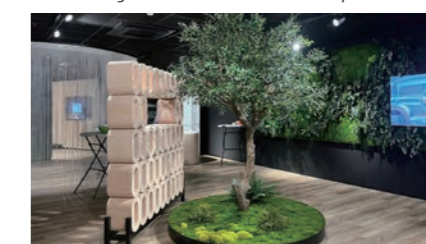
**2002** Taiwan sales company

**2006** China sales company

**2016** THE AIRSTAGE on Broadway in New York



**2023** Communication Lounge EURO: New lounge in Dusseldorf, Germany



\*1: Announced 1991. In room air conditioner for the home (Our company's investigation) \*2: Announced 1994. In the category of room air conditioners for the home (Our company's investigation). \*3: Announced 2002. In the category of room air conditioners 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)



# Worldwide locations

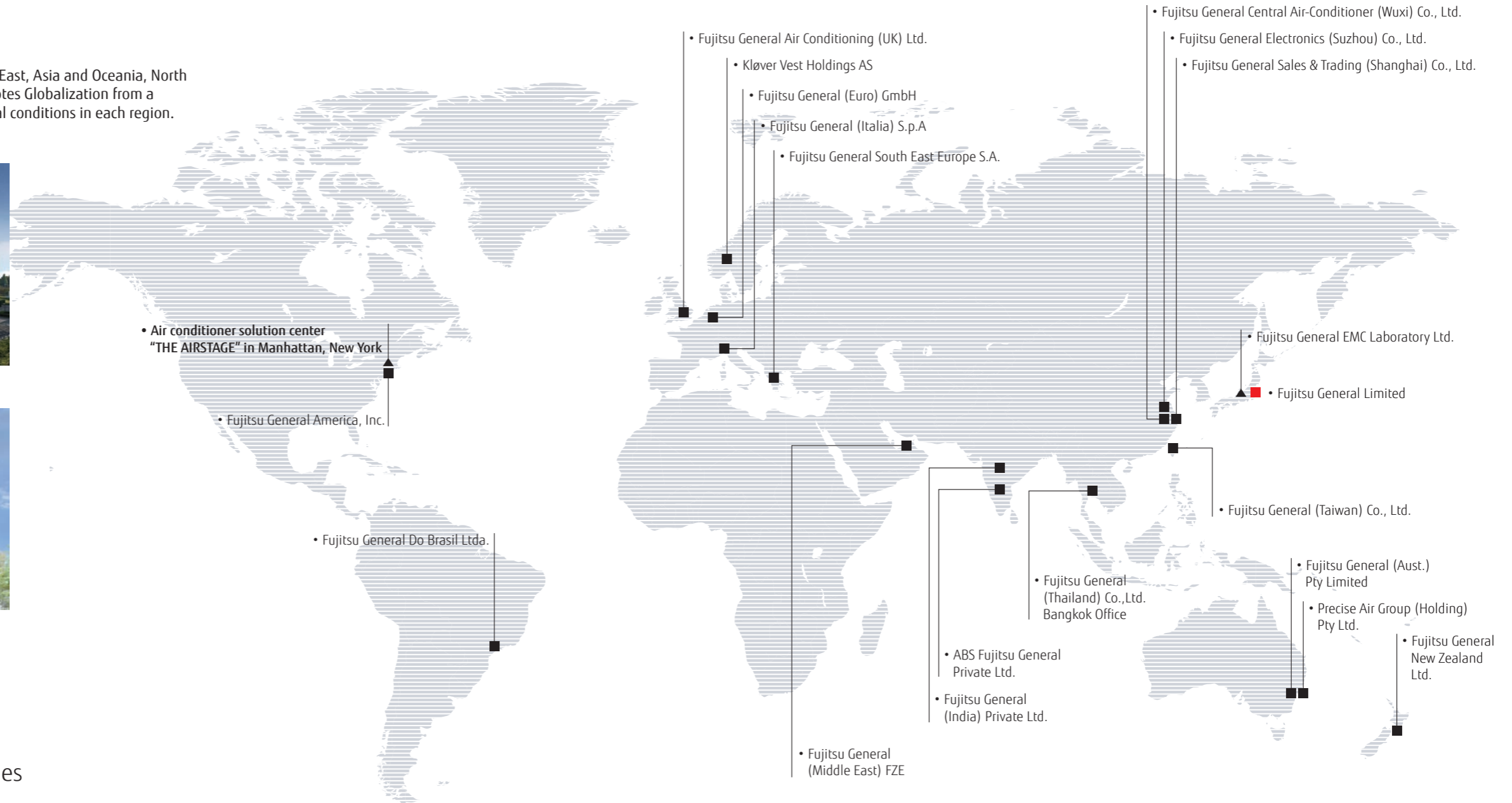
Under a system of five bases in Europe, the Middle East, Asia and Oceania, North and South America, and Japan, the company promotes Globalization from a worldwide perspective while emphasizing the actual conditions in each region.



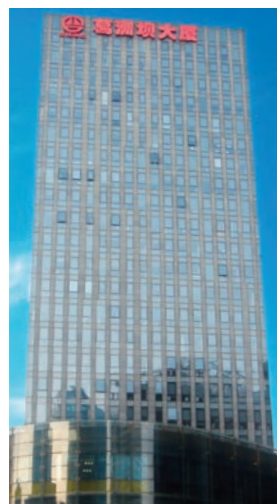
JAPAN Head Office



Technology research building (Japan)



18 Overseas Sales Companies



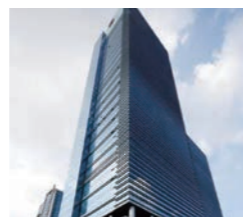
Fujitsu General Sales & Trading (Shanghai) Co., Ltd.



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



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



Fujitsu General Electronics (Suzhou) Co., Ltd.



Fujitsu General South East Europe S.A. (Greece)



Fujitsu General (EURO) GmbH (Germany)



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



Fujitsu General (Italia) S.p.A (Italy)



Fujitsu General (India) Private Ltd. (India)



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



Precise Air Group (Holding) Pty Ltd. (Australia)



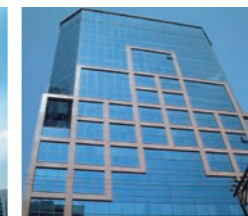
Fujitsu General New Zealand Ltd. (New Zealand)



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



ABS Fujitsu General Private Ltd. (India)



Fujitsu General Do Brasil Ltda. (Brasil)



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



Kløver Vest Holdings AS (Norway)

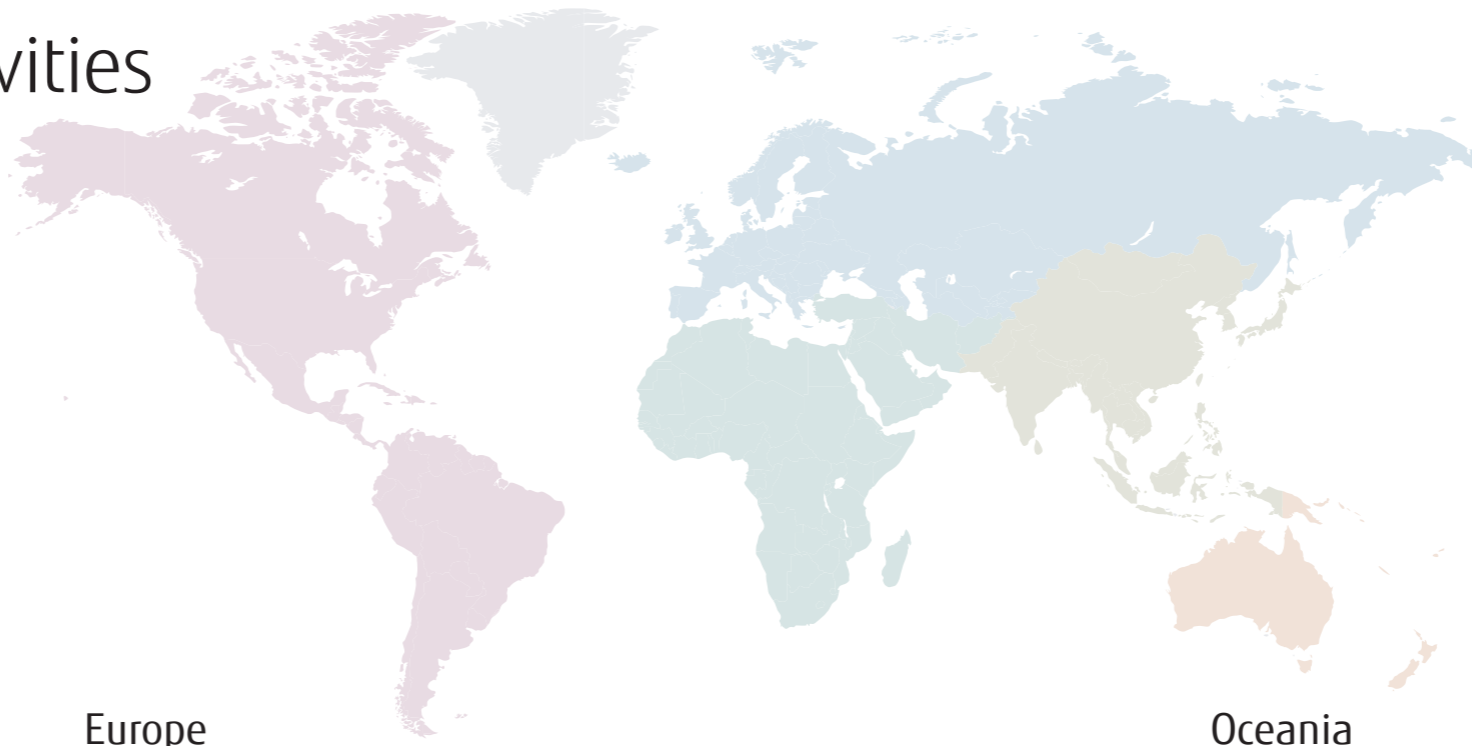


FUJITSU GENERAL SOLUTION CENTER "THE AIRSTAGE" (U.S.A.)



# Global business activities

We have been recognized for our activities in advertising, human resource development and customer service, as well as for our community-based social contribution activities in each region, winning numerous awards and achieving a high level of customer satisfaction.



## North and South Americas



AHR Expo



HVAC trade shows in Brazil



Distributor conference in USA



Call center

## Middle East



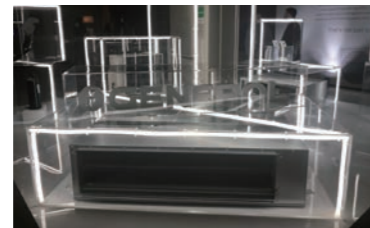
Exhibition



Training in Kuwait



Launch event in Oman



New product seminar in UAE

## Europe



HVAC trade show in Germany



Training in Germany



HVAC trade show in Germany



Training seminar in Italy



Event in the United Kingdom

## Oceania



HVAC trade show in Australia



Launch event in New Zealand



Launch event in New Zealand

## Asia



Thanksgiving party in Taiwan



Exhibition in India



Opening ceremony in India



New product presentation seminar in Singapore



Service training in Vietnam

## International authoritative design awards



The NEWS Dealer Design Awards



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



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



Superbrands is the world's largest independent arbiter of branding.



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



The Plus X Award is the world's largest innovation award for technology, sports and lifestyle.



reddot winner 2020

A product design competition that has been held since 1955. Products that win the award are given the "Red Dot" seal, a sign of international recognition of quality.



One of the famous design award in the world. Designs are judged on innovation and aesthetics, as well as their benefit to users, clients/brands, and society.



ProductReview.com.au's annual awards are selected from products and services that have been well-rated by the ProductReview community.



Voted by Australians as the 'Most Trusted Brand - Air Conditioning Category 5 Years Running'



China State Construction Engineering Luban Prize



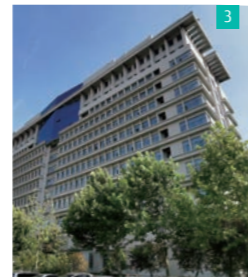
The Good Design Award is an award sponsored by the Japan Institute of Design Promotion, and is given once a year to items of outstanding design.



# Project Reference

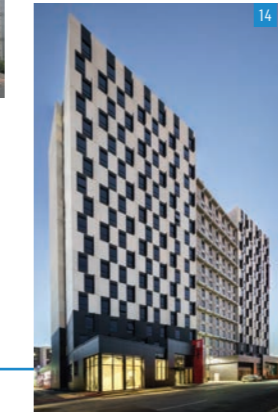
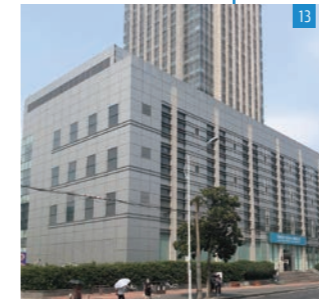
Introduced in over 50 countries worldwide

Highly popular for their excellent quality, energy efficiency, and ease of installation, Fujitsu General's products are installed in a wide range of buildings around the world, including high-rise office buildings, stores, hotels, public facilities, schools, hospitals, and residences.



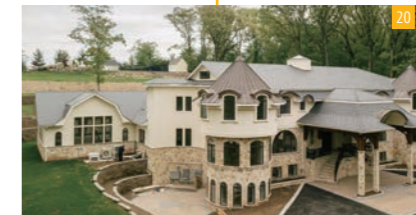
### For Light commercial use

- 1 Shop in Europe
- 2 Factory in Europe
- 3 School in Asia
- 4 Hospital in Asia
- 5 Office in Asia
- 6 Shop in Oceania
- 7 Office in Oceania
- 8 School in the Middle East
- 9 Public facility in the United States



### For Commercial use

- 10 Public Square in Asia
- 11 Hotel in Asia
- 12 Hotel in Asia
- 13 Public facility in Asia
- 14 Apartment in Oceania
- 15 Apartment in Oceania
- 16 Hotel in the Middle East
- 17 Hotel in the Middle East



### For Residential use

- 18 Villa in the Africa
- 19 Residence in Oceania
- 20 Residence in the United States
- 21 Villa in the Middle East



# Global Development & Production Bases

We have established R&D bases in five countries from Japan, Europe, Asia, China, and North America to pursue environmental properties and comfort according to the needs of each region.

- Head office
- R&D center
- Manufacturing companies

## R&D center & Technology Research Building



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



North America R&D Center (USA)



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



R&D center in Fujitsu General (Shanghai)



JAPAN Head office, R&D center and 60 m height difference testing tower (Japan)

Technology research building in Japan Head office



**Constructing IoT-based manufacturing**  
 We are implementing a real-time IoT-enabled system to immediately visualize and analyze various information such as facility operating status, assembly line production progress, and parts inventory and transportation status. This will further enhance the accuracy of production and shipping forecasts in the Head Office and factory management departments. The system will also help improve activities by employees at production sites, with the aim of improving the efficiency of the production process, the efficiency of parts distribution operations, and the utilization rates of the facilities.



## 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)



Fujitsu General Electronics Ltd. (Japan)



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



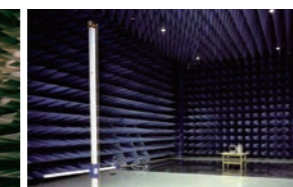
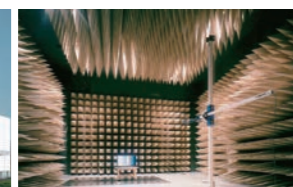
Vibration testing



Technology Research Building in Japan Head Office

## Testing Laboratory

Fujitsu General EMC Laboratory Limited



### 60 m Height Difference Testing Tower

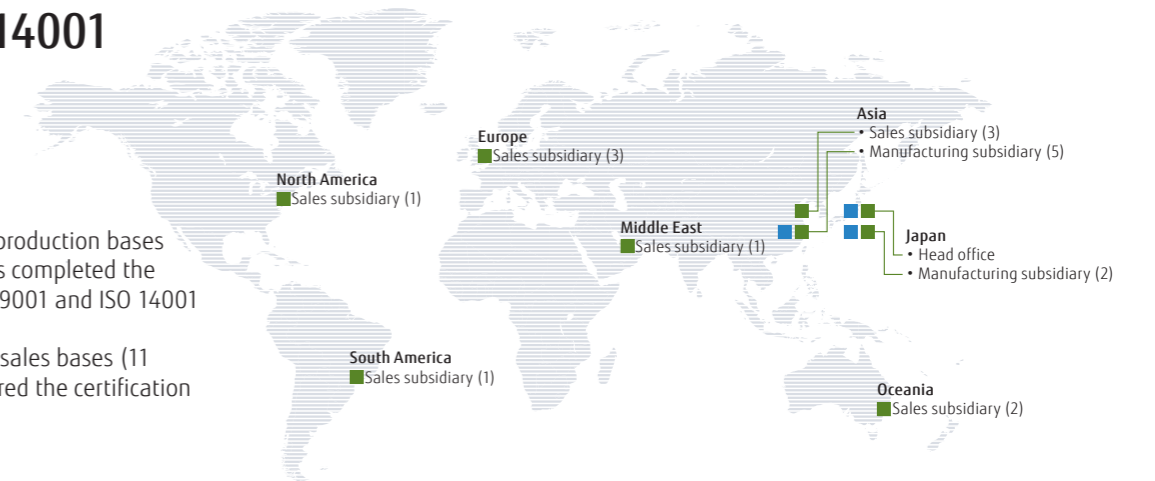
Objective is to confirm oil circulation of compressor for reliability



## 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

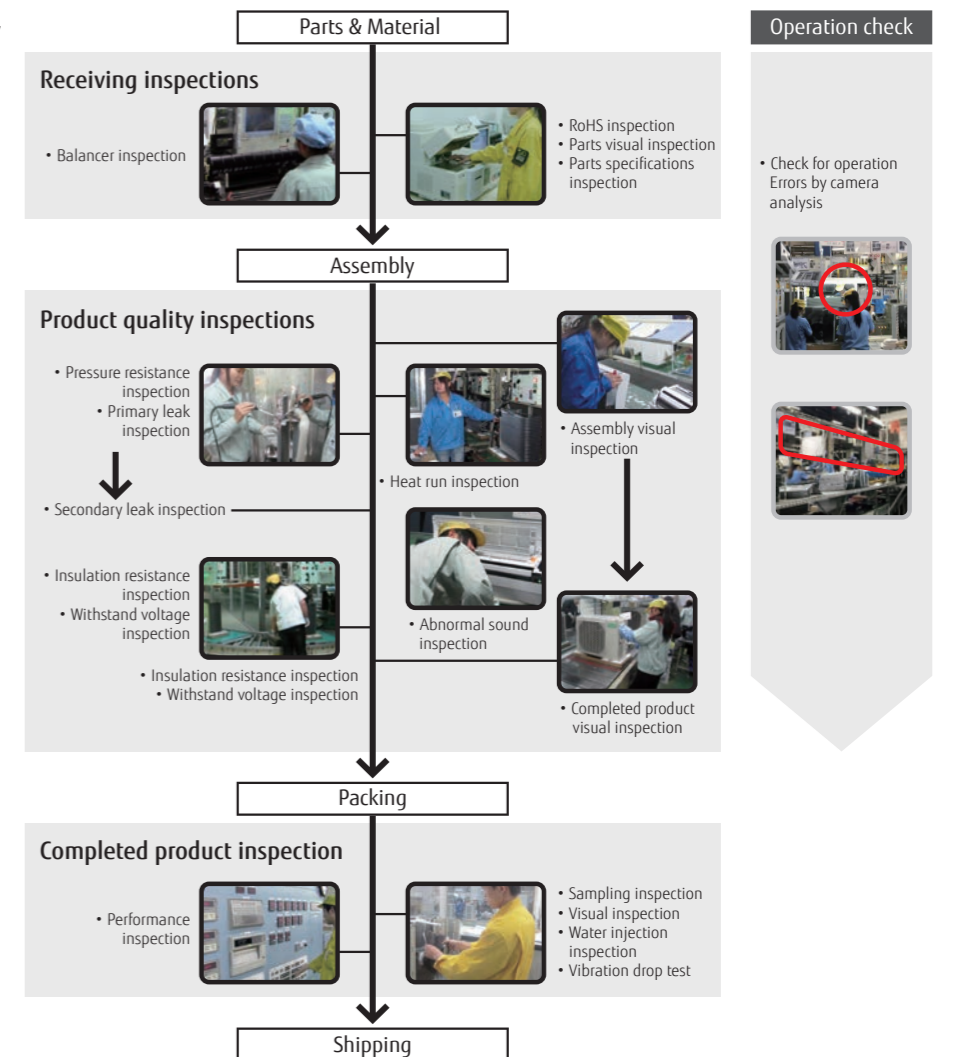
All Fujitsu General factories have acquired ISO 9001, and have built a quality control system common around the world. High quality products are offered to all over the world based on stringent quality inspections.

### 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

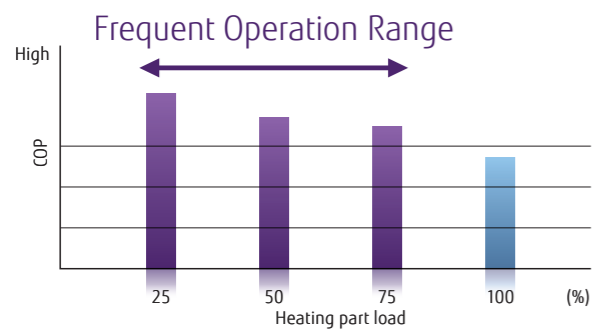
Our advanced technology is providing comfort in a wide variety of situations from residential applications to commercial use.

- 020 High Efficiency
- 022 High Energy Saving
- 024 More Comfort
- 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.

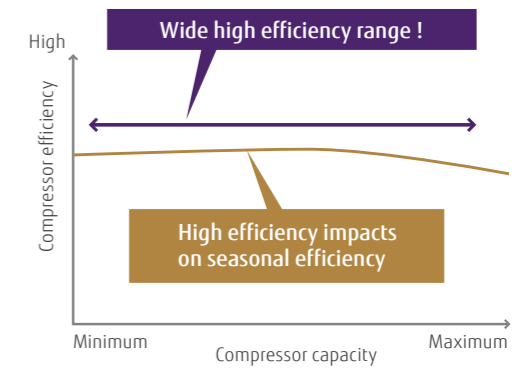
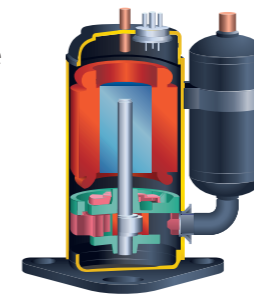


DC Twin Rotary Compressor

## 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.



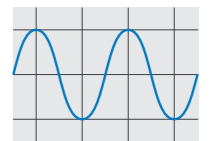
### DC fan motor

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.



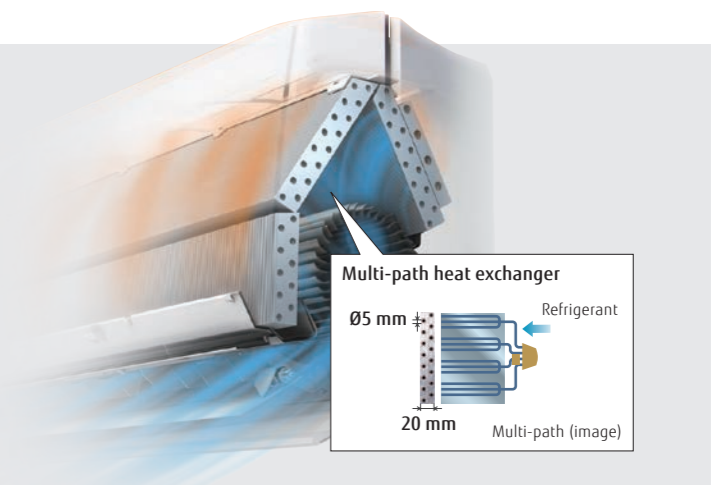
## Heat Exchanger for Wall Mounted

### 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

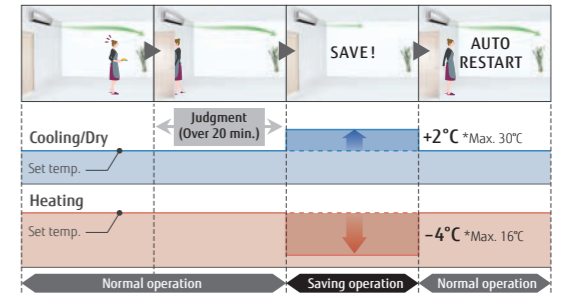


## Smart Operation



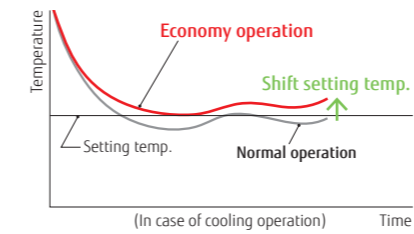
### Save human sensor

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.



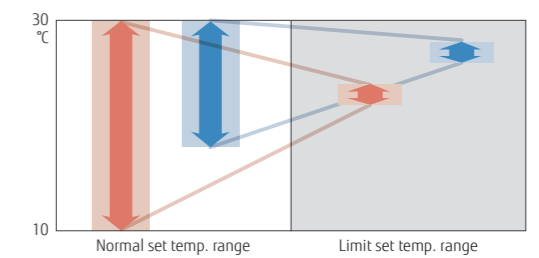
### Economy operation

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



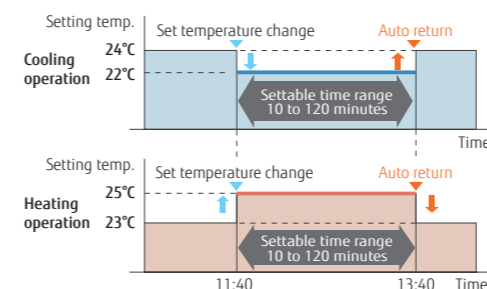
### Room temperature set point limitation

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



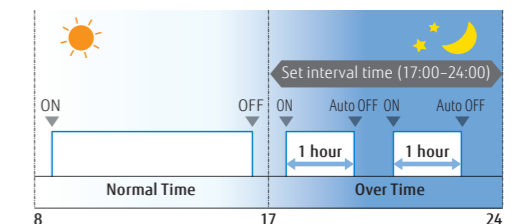
### Set temperature auto return

- 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

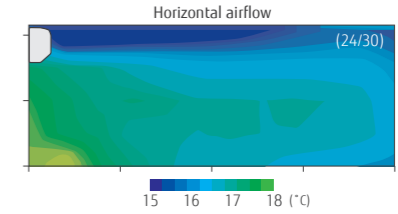
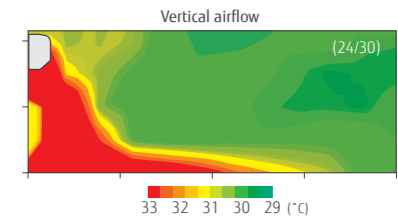


## Quick Comfort



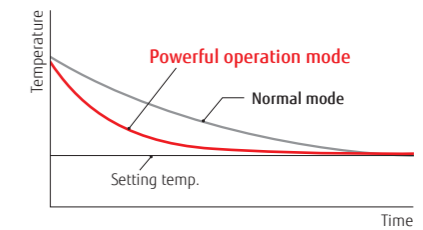
### Power diffuser

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



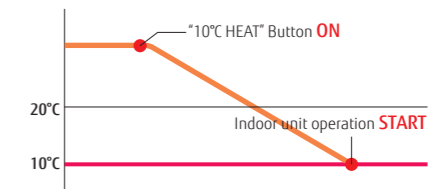
### Powerful operation

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



User-friendly screen display enables easy operation. With the WLAN adapter and the FGLair app, you can control the heating and cooling of your home anytime, anywhere.

## Fujitsu General provides Wireless LAN control

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



### 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.



## 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



Wired Remote Controller



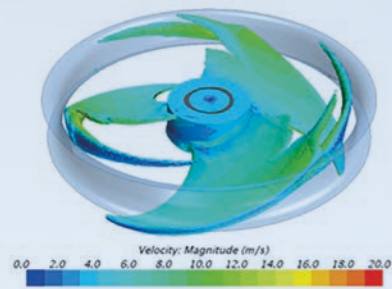
Slim Wireless Remote Controller

# Quiet and Comfort Control

## Low Noise Technology

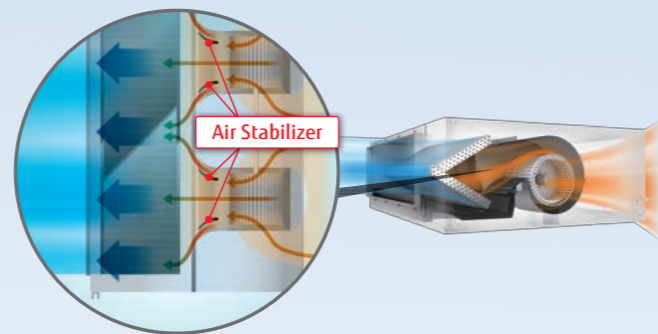
### Outdoor unit Fan

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



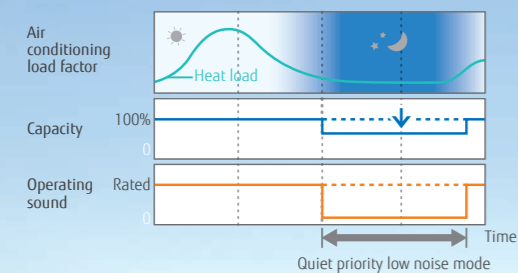
### Air Stabilizer in Duct

Low noise duct structure with a built-in air stabilizer



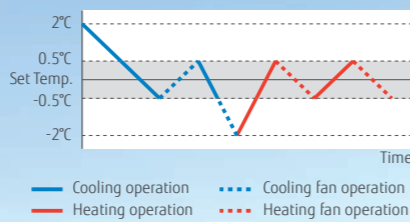
### Outdoor unit low noise operation

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.

- Economy operation**  
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.
- Outdoor unit low noise operation**  
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 operation**  
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.
- External error output**

- 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.
- External ON/OFF input**

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

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

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

- Long life filter**
- Silver ion filter II (PM2.5 + Anti Virus)**  
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.

### Installation / Support

- Drain pump as standard**

- Blue fin**

- Refrigerant cycle monitor**  
The values of each sensor and actuator can be displayed, and the status of the refrigeration cycle can be checked.

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.

S-002 **Split Overview**

S-004 **Split All Type Lineup**

S-006 **Models for Vietnam**

S-012 **Common Models**

- Wall Mounted
- Compact Cassette
- Circular Flow Cassette
- Ceiling
- Slim Duct
- Medium Static Pressure Duct
- High Static Pressure Duct
- Big Duct

S-036 **Feature Summary**





# Split Overview

Fujitsu General provides its customers with 4 types 42 models of air conditioning systems perfect for various customer applications and layouts. Added to this lineup recently are the environment-friendly R32 refrigerant models.



## Existing pipes can be reused if they meet our guidelines

Please consult with our regional sales subsidiaries for details.

### Cautions when reusing the existing pipes

- The thickness of the pipes must be 0.8 mm or thicker in accordance with the pipe diameter.
- Use flares that have been reworked to be compatible with the new refrigerant, and are compliant with ISO 14903.
- Select suitable wiring in accordance with the installation manual of the new air conditioning unit.
- When pump-down is not possible or when the inner pipe walls are dirty, make sure to clean the pipes before connecting new ones.
- When using different diameters pipes from the standard sizes,
  - The performance may not reach the published specification value.
  - Dedicated flare nuts compliant with ISO 14903 should be procured locally.
  - Restrictions apply to pipe lengths, refrigerant volumes, and room sizes.



### Wall-mounted type

Simple and easy to install, all models, are expertly designed to control airflow and save energy. The design, with its flat and simple appeal, perfectly matches room interiors. Many of the models in the lineup adopt the new environmentally friendly R32 refrigerant.



### Duct

The main unit is hidden in the wall, making the room look neat and tidy. Mini Duct and Slim Duct models are also available for installation in narrow spaces between beams or above the ceiling. Large models, suitable for air conditioning vast spaces, allow multiple outlets to be installed in just one unit, and are perfect for atypical room layouts.



### Cassette












The Cassette type, which blends in perfectly with the interior design, blows air in all four directions to create an even air-conditioning for the entire space. We have a variety of series including Compact models with a uniquely designed panel to match grid ceilings, and Circular Flow models that send airflow in a 360° direction.


































### Ceiling

As with the wall-mounted unit, ceiling installation is very easy, and the unit's thin structure with a height of just 240 mm allows neat installation. The powerful airflow that can reach far away from the wide outlet is perfect for large meeting rooms, audiovisual rooms, and other rectangular spaces with a lot of depth.

# Split All Type Lineup

Models for Vietnam													
Type	Refrigerant	Model	Class						Class				
			9	12	18	24	30	36	45	54	60	72	90
 for Vietnam	Wall Mounted	 Cooling only	 ASGH09CPTB-V	 ASGH12CPTB-V									
		 Cooling only	 09/12	 18	 24	ASGG18CPTA-V	ASGG24CPTA-V						
		 Heating & Cooling	 ASGG09LLTB-V	 ASGG12LLTA-V									

Common Models												
Type	Refrigerant	Model	Class						Class			
			9	12	18	24	30	36	45	54	60	72
Wall Mounted	 Cooling only	 ASGG18CETA-B			ASGG24CETA-B	ASGG30CETA-B	ASGG36CETA-B					
	 Heating & Cooling	 ASHH09KLTA	 ASHH12KLTA									
	 Heating & Cooling	 ASGH18KMTA-R			ASGH24KMTA-R							
	 Heating & Cooling	 ASGG18KJTA-B			ASGG24KJTA-B							
Compact Cassette	 Heating & Cooling	 AUXG18KVLA			AUXG24KVLA							
Circular Flow Cassette	 Heating & Cooling	 18/24	 30/36/45/54			AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB		
Ceiling	 Heating & Cooling	 18	 24/30	 36/45/54	 ABHG36KRTA	 ABHG45KRTA	 ABHG54KRTA					
Slim Duct	 Heating & Cooling	 ARXG18KLLAP										
Medium Static Pressure Duct	 Heating & Cooling	 ARXG24KMLA			ARXG30KMLA	ARXG36KMLA	ARXG45KMLA					
High Static Pressure Duct	 Heating & Cooling	 ARXG45KHTB					ARXG54KHTB					
	 Heating & Cooling	 ARHG60LHTA										
Big Duct	 Heating & Cooling	 ARHG72LHTA									ARHG90LHTA	

# Wall Mounted

Cooling Only



Model: ASGH09CPTB-V / ASGH12CPTB-V



Wireless R.C.



AOGH09CPTB-V  
AOGH12CPTB-V

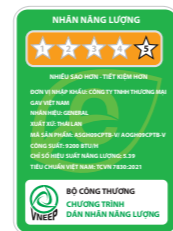
### Specifications

Model name	Indoor unit		ASGH09CPTB-V	ASGH12CPTB-V
	Outdoor unit		AOGH09CPTB-V	AOGH12CPTB-V
Power Source		ØV/Hz	220/1/50	220/1/50
Capacity	Cooling (Min.-Max.)	kW	2.70 (0.70-2.90)	3.37 (0.84-3.54)
		Btu/h	9,200 (2,400-9,900)	11,500 (2,900-12,100)
Input power	Cooling	kW	0.80	1.00
EER	Cooling	W/W	3.38	3.37
CSPF			5.34	5.28
Running Current	Cooling	A	3.8	4.7
Moisture Removal		l/h	1.0	1.5
Sound Pressure Level (Cooling)	Indoor (H/M/L/Q)	dB(A)	41 / 35 / 28 / 21	42 / 36 / 29 / 21
	Outdoor		48	49
Airflow Rate (Cooling)	Indoor (High)	m <sup>3</sup> /h	600	600
	Outdoor		1,880	1,680
Net Dimensions H x W x D	Indoor	mm	250 × 770 × 218	250 × 770 × 218
		kg	7.0	7.5
	Outdoor	mm	541 × 663 × 290	541 × 663 × 290
		kg	19	20
Piping Connections (Small / Large)			6.35 / 9.52	6.35 / 9.52
Drain Hose Diameter (I.D./O.D.)		mm	13.8 / 15.0 to 16.8	13.8 / 15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	20 (10)	20 (10)
Max. Height Difference			15	15
Operating Range	Indoor	°CDB	18 to 32	18 to 32
	Outdoor		18 to 52	18 to 52
Refrigerant			R32	R32

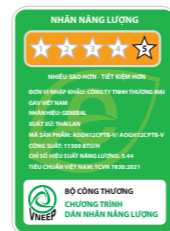
Note: Specifications are based on the following conditions.  
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.

### High energy saving

They can cool the interior well with high energy saving even when installed in areas with high outdoor air temperatures (Max. 52°C.) and maintain a room comfortable.



ASGH09CPTB-V



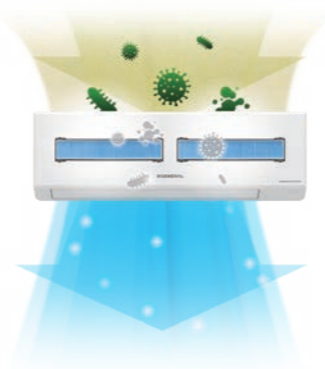
ASGH12CPTB-V

### PM2.5 + Anti-virus filter

The filter inhibits the activities of viruses, bacteria and molds trapped on the filter.

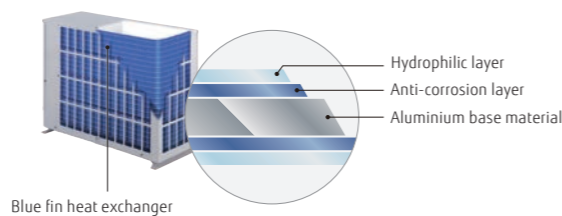
(only effective when the microorganism is trapped on the filter with dust or droplet)

Clean the air firmly catch the PM2.5 particles of 0.3~2.5µm. (PM2.5 is a general term for micro particulate matter less than 2.5µm.)



### Blue fin heat exchanger

Blue fin heat-exchanger is used for the outdoor units, which enables to enhance the corrosion-resistance performance.



Blue fin heat exchanger

### Powerful cooling

It cools well even at an outdoor temperature of 52°C. The air conditioner is designed to withstand all conditions. It can operate and maintain good cooling efficiency even in ambient conditions as high as 52°C. The new models achieve over 80% cooling capacity even at 46°C.

### Lightning surge protection

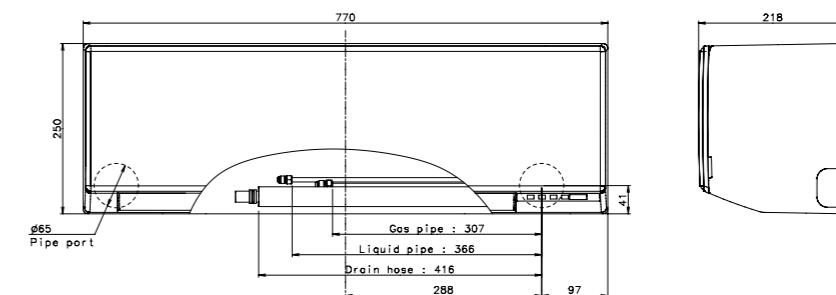
The outdoor units can withstand instantaneous strikes of up to 2000 V\*. You can use the air conditioner system if it is struck by lightning. \*It is not a continuous voltage.

### Optional parts

PM2.5 filter: UTR-FA16-4

### Dimensions

(Unit : mm)

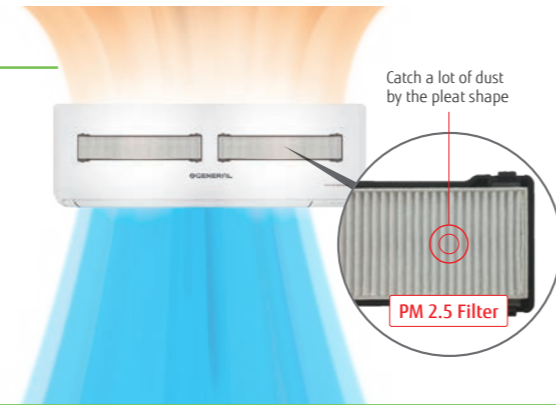


# Wall Mounted Cooling Only



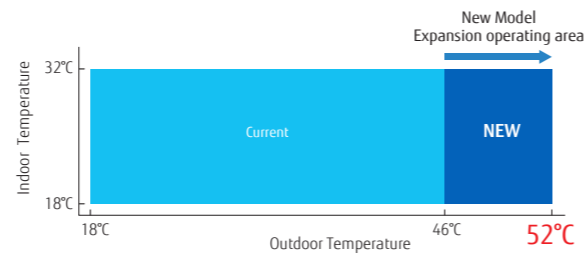
## PM 2.5 filter the newly adopted

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.



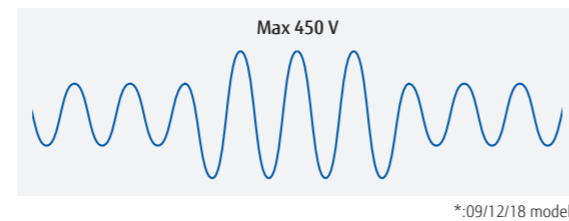
## Powerful Cooling

**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.



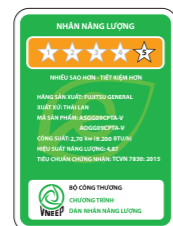
## High Reliability System (HRS)

**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 (H/M/L/Q)	dB(A)	43 / 39 / 33 / 22	43 / 39 / 33 / 22	49 / 46 / 41 / 28	50 / 46 / 41 / 29
	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 × 784 × 224	270 × 784 × 224	270 × 834 × 239	280 × 980 × 240
		kg	8.5	8.5	11.0	12.5
Net Weight	Outdoor	mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	632 × 799 × 290
		kg	22.0	22.0	27.0	36.0
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

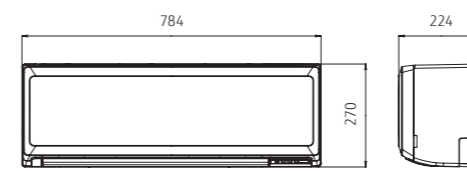
### Optional parts

Silver ion filter II: UTR-FA16-7

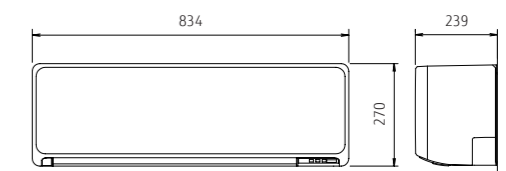
### Dimensions

(Unit : mm)

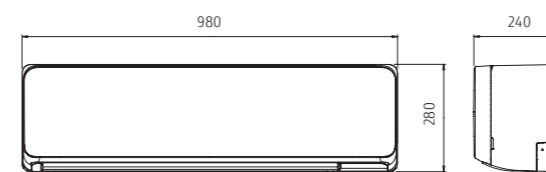
Model: ASGG09CPTA-V / ASGG12CPTA-V



Model: ASGG18CPTA-V



Model: ASGG24CPTA-V



# Wall Mounted

Cooling and Heating



Model: ASGG09LLTB-V / ASGG12LLTA-V



Wireless R.C.



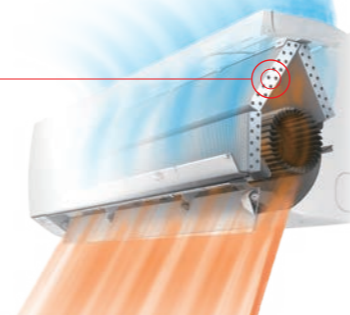
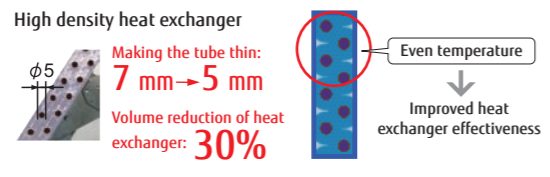
AOGG09LLTB-V  
AOGG12LLTA-V

### 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
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)
	Heating (Min.-Max.)	kW	3.00(0.9-3.8)	4.00(0.9-5.0)
		Btu/h	10,200(3,070-12,960)	13,600(3,070-17,060)
Input Power	Cooling/Heating	kW	0.72/0.74	1.10/1.13
EER	Cooling	W/W	3.47	3.21
COP	Heating	W/W	4.05	3.54
Running Current	Cooling/Heating	A	3.6/3.6	5.3/5.5
Moisture Removal		l/h	1.3	1.8
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)		43 / 38 / 33 / 22	43 / 38 / 33 / 22
	Indoor (Heating)(H/M/L/Q)	dB(A)	43 / 38 / 33 / 22	43 / 38 / 33 / 22
	Outdoor		47/48	50/51
Airflow Rate (Cooling/Heating)	Indoor (High)	m <sup>3</sup> /h	720/740	720/740
	Outdoor		1,670/1,470	1,830/1,600
Net Dimensions H x W x D	Indoor	mm	262 x 820 x 206	262 x 820 x 206
		kg	7.0	7.0
Net Weight	Indoor	mm	540 x 660 x 290	540 x 660 x 290
	Outdoor	kg	25.0	28.0
Piping Connections (Small / Large)		mm	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
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
	Heating		-15 to 24	-15 to 24
Refrigerant			R410A	R410A

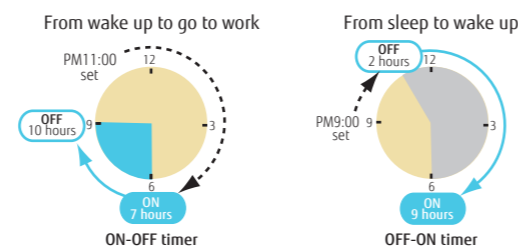
### High Efficient Compact Design

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



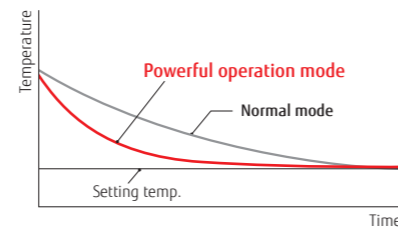
### More Convenient Timer

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)



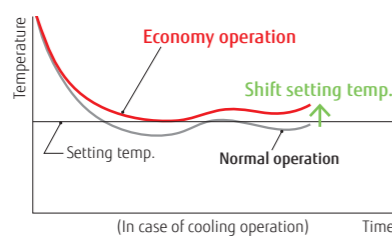
### Powerful operation

Reach the setting temperature quickly.



### Economy operation

Setting temp. is shifted by 1°C automatically.



### Easy maintenance

Removable & washable panel

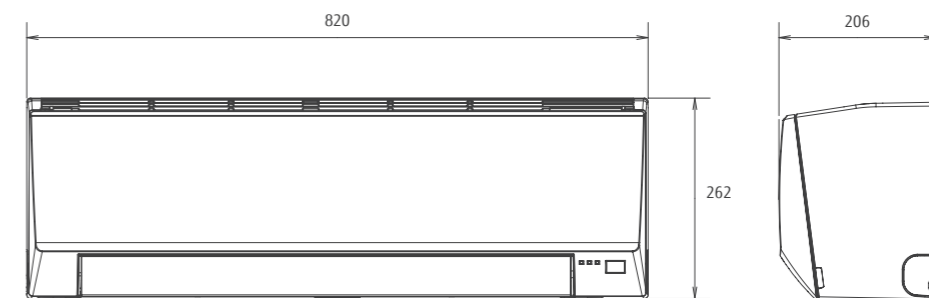


### Optional parts

Remote Controller Holder Kit: UTZ-RXLA

### Dimensions

(Unit : mm)



# Wall Mounted

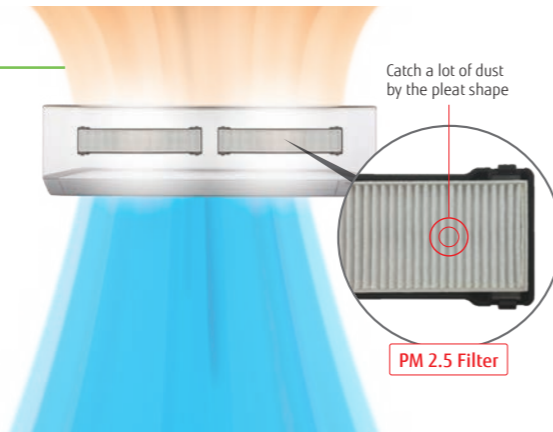
Cooling only



## PM 2.5 filter the newly adopted

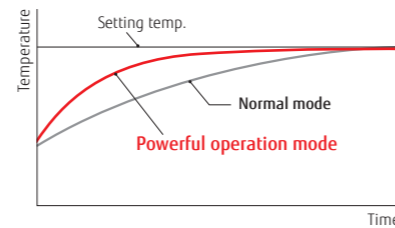
Clean the air firmly catch the particles of 0.3 ~ 2.5 μm.

\*PM 2.5 is a general term for micro particulate matter less than 2.5 μm.



## Powerful operation

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

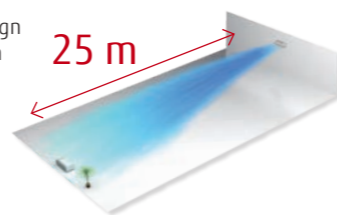


## Withstand high-voltage up to 700V (18/24 only)

The PCB in the 18/24 models is able to withstand a voltage of 700V. In addition, a high-voltage operation mode is added to prevent the PCB from breaking down.

## 25m Long-reach airflow (30/36 only)

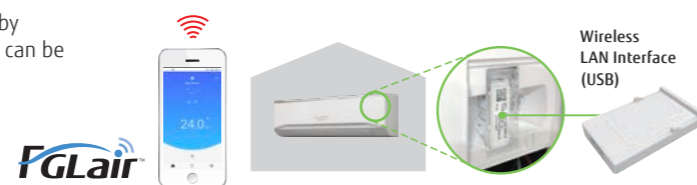
Optimized airflow design guarantees long-reach cooling up to 25 m for 30/36 models.



## Smart Device control (Option)

This model can be controlled from anywhere using smart device by installing optional wireless LAN interface. Wireless LAN interface can be installed easily without specialized installation work.

When you add our Wireless Interface and FGLair app, you can control your home's cooling and heating anytime and anywhere.



Model: ASGG18CETA-B / ASGG24CETA-B / ASGG30CETA-B / ASGG36CETA-B



Wireless R.C.



AOGG18CETA-B



AOGG24CETA-B



AOGG30CETA-B

AOGG36CETA-B

## Specifications

Model No.	Indoor unit		ASGG18CETA-B	ASGG24CETA-B	ASGG30CETA-B	ASGG36CETA-B
	Outdoor unit		AOGG18CETA-B	AOGG24CETA-B	AOGG30CETA-B	AOGG36CETA-B
Power Source		V/Ø/Hz	230 / 1 / 50	230 / 1 / 50	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	5.28 (1.32-5.81)	7.04 (1.76-7.74)	8.80 (3.08-9.68)	10.56 (3.70-10.56)
		Btu/h	18,000 (4,500-19,800)	24,000 (6,000-26,400)	30,000 (10,500-33,000)	36,000 (12,600-36,000)
Input Power	Cooling	kW	1.31	1.83	2.50	3.45
EER	Cooling	W/W	4.03	3.85	3.52	3.06
Running Current	Cooling	A	6.0	8.1	11.0	15.3
Moisture Removal		l/h	1.0	2.0	2.7	4.5
Sound Pressure Level (Cooling)	Indoor (S-H/H/M/L/Q)	dB(A)	47 / 43 / 38 / 34 / 28	49 / 45 / 39 / 34 / 30	53 / 49 / 45 / 40 / 32	53 / 49 / 45 / 40 / 32
	Outdoor		51	54	53	55
Airflow Rate (Cooling)	Indoor (S-High)	m³/h	1,250	1,350	1,520	1,520
	Outdoor		2,350	3,240	3,620	4,150
Net Dimensions H x W x D	Indoor	mm	340 × 1,150 × 280	340 × 1,150 × 280	340 × 1,150 × 280	340 × 1,150 × 280
		kg	16	16	16	16
Net Weight	Outdoor	mm	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320
		kg	35	41	52	53
Piping Connections (Small / Large)		mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88
Drain Pipe Diameter (I.D./O.D.)			13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)		m	20 (15)	30 (15)	50 (20)	50 (20)
Max. Height Difference			15	25	30	30
Operation Range	Cooling	°CDB	18 to 55	18 to 55	18 to 55	18 to 55
Refrigerant			R32	R32	R32	R32

## Optional parts

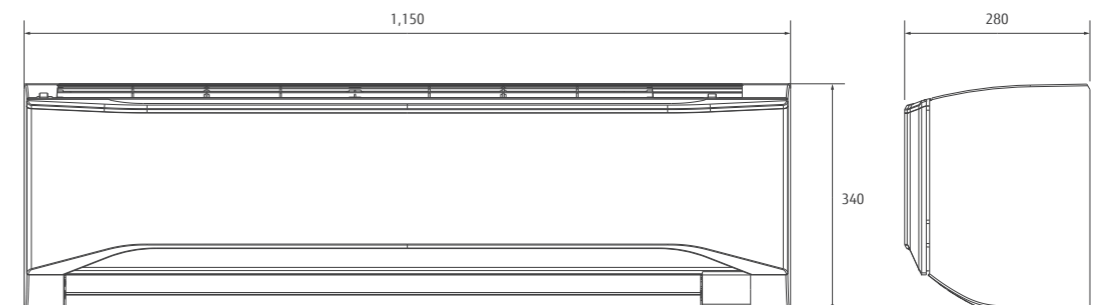
Wired Remote Controller (Touch Panel): UTY-RNRGZ5  
 Wired Remote Controller: UTY-RLRG  
 Simple Remote Controller (Without operation mode): UTY-RHRG

Simple Remote Controller: UTY-RSRG  
 Communication kit: UTY-TWRXZ2  
 Wireless LAN adapter: UTY-TFSXF3

External connect kit: UTY-XWZXZ5  
 External Input and Output PCB: UTY-XCSXZ2  
 Silver ion filter II: UTR-FA16-8

## Dimensions

(Unit : mm)



# Wall Mounted

Cooling and Heating



Model: ASHH09KLTA / ASHH12KLTA



Wireless R.C.



AOHH09KLTA  
AOHH12KLTA

### Specifications

Model No.	Indoor unit		ASHH09KLTA	ASHH12KLTA
	Outdoor unit		AOHH09KLTA	AOHH12KLTA
Power Source		V/Ø/Hz	230 / 1 / 50	230 / 1 / 50
Capacity	Cooling (Min.-Max.)	kW	2.5 (0.9-3.0)	3.4 (0.9-3.7)
		Btu/h	8,500 (3,100-10,200)	11,600 (3,100-12,600)
Capacity	Heating (Min.-Max.)	kW	2.5 (0.9-3.5)	3.4 (0.9-3.7)
		Btu/h	8,500 (3,100-11,900)	11,600 (3,100-12,600)
Input Power	Cooling/Heating	kW	0.760 / 0.670	1.050 / 0.915
EER	Cooling	W/W	3.29	3.24
COP	Heating	W/W	3.73	3.72
Running Current	Cooling/Heating	A	4.0 / 3.5	5.5 / 5.0
Moisture Removal		l/h	0.6	1.3
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)		43 / 36 / 29 / 21	43 / 37 / 30 / 21
	Indoor (Heating)(H/M/L/Q)	dB(A)	43 / 37 / 32 / 23	43 / 37 / 32 / 23
	Outdoor		47 / 47	50 / 50
Airflow Rate (Cooling/Heating)	Indoor (High)	m <sup>3</sup> /h	620 / 1,650	620 / 1,700
	Outdoor		620 / 1,450	640 / 1,470
Net Dimensions H x W x D	Indoor	mm	250 × 770 × 218	250 × 770 × 218
	Outdoor	mm	541 × 663 × 290	541 × 663 × 290
Net Weight	Indoor	kg	7	7.5
	Outdoor	kg	19	22
Piping Connections (Small / Large)		mm	6.35 / 9.52	6.35 / 9.52
Drain Pipe Diameter (I.D./O.D.)		mm	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)		m	20 (15)	20 (15)
Max. Height Difference			15	15
Operation Range	Cooling	°CDB	10 to 52	10 to 52
	Heating		-15 to 24	-15 to 24
Refrigerant			R32	R32

### Highly efficient operation even at high outdoor temperatures

Even when installed in areas with high outdoor air temperatures (Max. 52°C\*), it is comfortable because it can cool the interior well.

\*suction temperature of the outdoor unit

EER **3.29**<sup>\*1</sup> COP **3.73**<sup>\*1</sup> Operation Range **MAX 52°C**  
\*1 07 model (Cooling operation)



### MINIMAL SMART design

The new smart design eliminates mechanical elements and offers a sophisticated, premium impression. Its compact size, with a width of 770 mm, allows for flexible installation in limited room space.



### Comfortable airflow & Quiet operation

The large louver and the new air-blowing structure create a comfortable air flow that spreads all the way down to the user's feet with quiet operation.

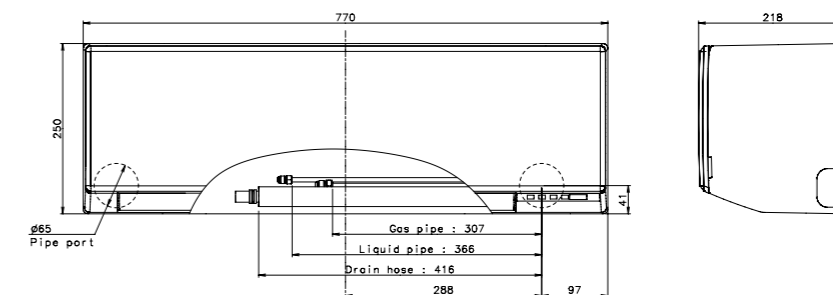


### Optional parts

WLAN adapter: UTY-TFSXF3  
 Silver ion filter II: UTR-FA16-7

### Dimensions

(Unit : mm)



# Wall Mounted

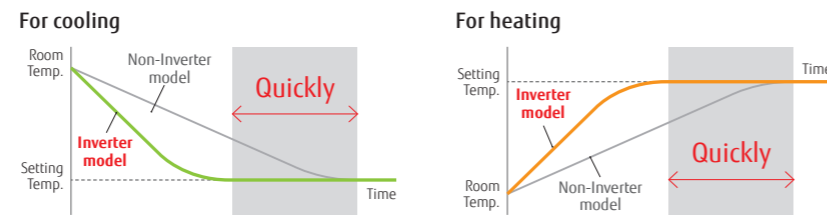
Cooling and Heating



## Innovative Inverter Technology

(Compressor / Fan Motor)

Inverter models cool and warm faster than non-inverter models.



## Harmonized UX Design

The round shape of the horizontal flow makes the airflow appear to spread out, that makes the user feel more comfortable. The indoor unit is designed highlighting the intake grille, using its shadow to create depth and style to its smooth form. The level of gold color enhances the installation space gracefully.



## Wide operation range

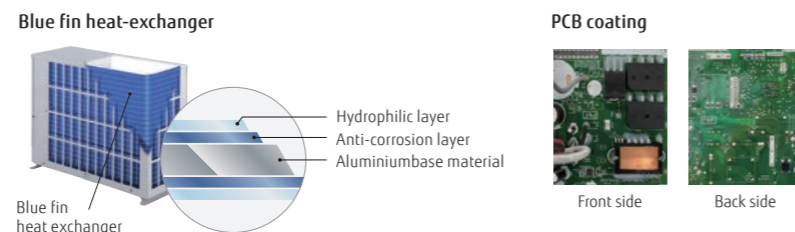
The new models are verified to enable to withstand up to 55 degrees Celsius for cooling and -15 degrees Celsius for heating.



## Corrosion resistance

Blue fin heat-exchanger is used for the outdoor units, which enables to enhance the corrosion-resistance performance.

New models are added silicon coating on all PCB circuits for anti-corrosion.



Model: ASGH18KMTA-R / ASGH24KMTA-R



Wireless R.C.



AOGH18KMTA-R

AOGH24KMTA-R

## Specifications

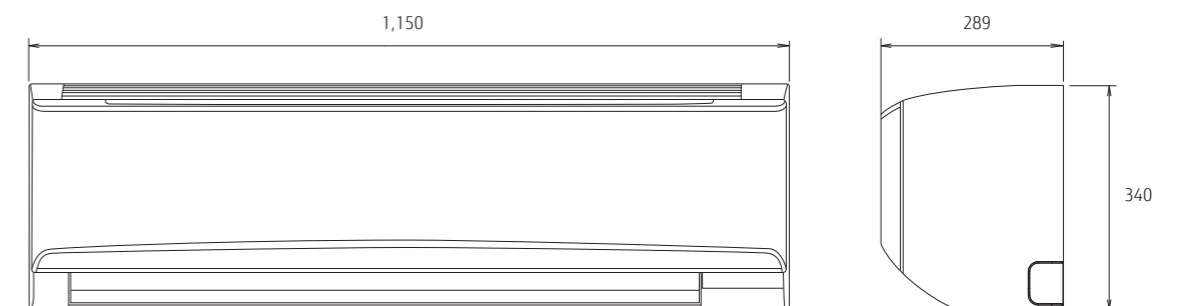
Model No.	Indoor unit		ASGH18KMTA-R		ASGH24KMTA-R	
	Outdoor unit		AOGH18KMTA-R		AOGH24KMTA-R	
Power Source		V/Ø/Hz	230 / 1 / 50		230 / 1 / 50	
Capacity	Cooling (Min.-Max.)	kW	5.28 (1.32-5.81)		7.03 (1.76-7.74)	
		Btu/h	18,000 (4,500-19,800)		24,000 (6,000-26,400)	
	Heating (Min.-Max.)	kW	6.30 (1.32-6.60)		7.40 (1.76-8.50)	
		Btu/h	21,500 (4,500-22,500)		25,200 (6,000-29,000)	
Input Power	Cooling/Heating	kW	1.34 / 1.62		1.85 / 1.87	
EER	Cooling	W/W	3.93		3.80	
COP	Heating	W/W	3.90		3.95	
Running Current	Cooling/Heating	A	6.1 / 7.3		8.3 / 8.2	
Moisture Removal		l/h	0.6		1.7	
Sound Pressure Level	Indoor (Cooling) [S-H/H/M/L/Q]		47 / 43 / 38 / 34 / 28		49 / 45 / 39 / 34 / 30	
	Indoor (Heating) [S-H/H/M/L/Q]	dB(A)	42 / 40 / 38 / 36 / 33		46 / 42 / 40 / 36 / 33	
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	1,250 / 2,350		1,350 / 3,240	
	Outdoor		1,050 / 2,790		1,190 / 2,600	
Net Dimensions H x W x D	Indoor	mm	340 x 1,150 x 289		340 x 1,150 x 289	
		kg	16		16	
Net Weight	Outdoor	mm	632 x 799 x 290		716 x 820 x 315	
		kg	35		42	
Piping Connections (Small / Large)		mm	6.35 / 12.7		6.35 / 12.7	
Drain Pipe Diameter (I.D./O.D.)		mm	13.8 / 15 to 16.8		13.8 / 15 to 16.8	
Max. Pipe Length (Pre-Charge)		m	20 (15)		30 (15)	
Max. Height Difference			15		25	
Operation Range	Cooling	°CDB	18 to 55		18 to 55	
	Heating		-15 to 24		-15 to 24	
Refrigerant			R32		R32	

## Optional parts

Touch Panel Wired Remote Controller: UTY-RNRGZ5	Communication kit: UTY-TWRXZ2	Network Converter for single split (AC power supply type): UTY-VTGXV
Wired Remote Controller: UTY-RLRG	External Input and Output PCB: UTY-XCSXZ2	Modbus Converter: UTY-VMSX
Simple Remote Controller: UTY-RSRG, UTY-RHRG	External connect kit: UTY-XWZXZ5, UTY-XWZX	KNX Converter: UTY-VKSX
Compact Wired Remote Controller: UTY-RCRGZ1, UTY-RCRGZ1K	WLAN adapter (USB type): UTY-TFSXF3	Network Converter: UTY-VTGX
Silver ion filter II: UTR-FA16-7	External Switch Controller: UTY-TERX	

## Dimensions

(Unit : mm)





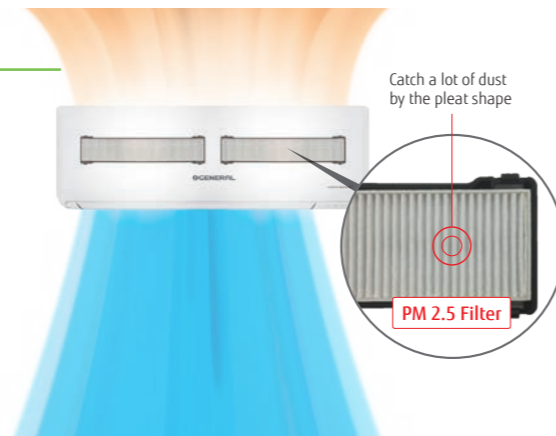
# Wall Mounted

Cooling and Heating



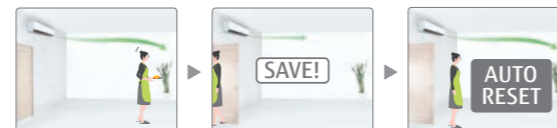
## PM 2.5 filter the newly adopted

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.



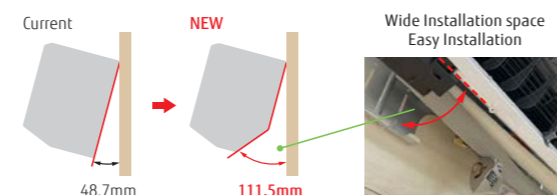
## Human sensor

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 previous operating mode.



## Easy access to the flare pipe connection

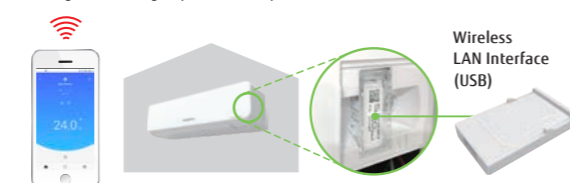
Installation when left outlet piping is easier by removable under cover of the indoor unit chassis. Installation when center outlet piping is easier by design change of wall hook bracket.



## Smart Device control (Option)

This model can be controlled from anywhere using smart device by installing optional wireless LAN interface. Wireless LAN interface can be installed easily without specialized installation work.

When you add our Wireless Interface and FGLair app, you can control your home's cooling and heating anytime and anywhere.



Model: ASGG18KJTA-B / ASGG24KJTA-B



Wireless R.C.



AOGG18KJTA-B



AOGG24KJTA-B

## Specifications

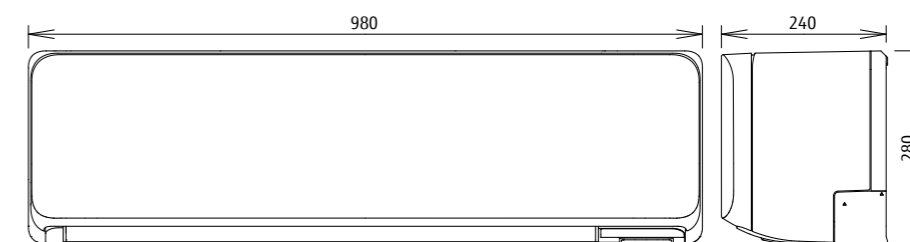
Model No.	Indoor unit		ASGG18KJTA-B	ASGG24KJTA-B
	Outdoor unit		AOGG18KJTA-B	AOGG24KJTA-B
Power Source		V/Ø/Hz	230/1/50	230/1/50
Capacity	Cooling (Min.-Max.)	kW	5.28 (1.32-5.81)	7.04 (1.76-7.74)
		Btu/h	18,000 (4,500-19,800)	24,000 (6,000-26,400)
	Heating (Min.-Max.)	kW	5.28 (1.32-6.51)	7.04 (1.76-8.50)
		Btu/h	18,000 (4,500-22,200)	24,000 (6,000-29,000)
Input Power	Cooling/Heating	kW	1.41 / 1.28	2.16 / 1.77
EER	Cooling	W/W	3.74	3.26
COP	Heating	W/W	4.13	3.98
Running Current	Cooling/Heating	A	6.5 / 6.1	9.6 / 7.9
Moisture Removal		l/h	1.6	2.7
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)		46 / 39 / 33 / 29	49 / 41 / 35 / 29
	Indoor (Heating)(H/M/L/Q)	dB(A)	40 / 35 / 32 / 29	49 / 41 / 35 / 29
	Outdoor		51 / 50	55 / 53
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	1,010 / 820	1,160 / 1,160
	Outdoor		2,350 / 2,300	3,240 / 2,600
Net Dimensions H x W x D	Indoor	mm	280x980x240	280x980x240
		kg	12.5	12.5
Net Weight	Outdoor	mm	632x799x290	716x820x315
		kg	35	42
Piping Connections (Small / Large)		mm	6.35 / 12.7	6.35 / 12.7
Drain Pipe Diameter (I.D./O.D.)		mm	13.8 / 15.8 to 16.7	13.8 / 15.8 to 16.7
Max. Pipe Length (Pre-Charge)		m	20 (15)	30 (15)
Max. Height Difference			15	25
Operation Range	Cooling	°CDB	18 to 55	18 to 55
	Heating		-15 to 24	-15 to 24
Refrigerant			R32	R32

## Optional parts

Wired Remote Controller (Touch Panel):	UTY-RNRGZ5	Simple Remote Controller:	UTY-RSRG	External Connect Kit:	UTY-XWZXZ5
Wired Remote Controller:	UTY-RLRG	External Input and Output PCB:	UTY-XCSXZ2	Wireless LAN adapter:	UTY-TFSXF3
Simple Remote Controller (Without operation mode):	UTY-RHRG	Communication Kit:	UTY-TWRXZ2	Silver ion filter II:	UTR-FA16-7

## Dimensions

(Unit : mm)



# Compact Cassette

## Compact 4-way Flow Series

Compact Size



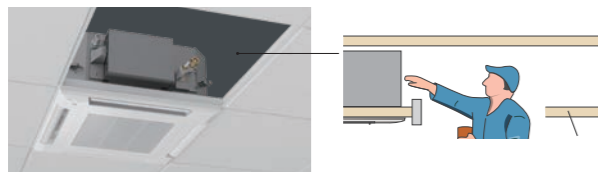
### Compact and stylish panel design

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



### Easy maintenance

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



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



### Flexible installation

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



Model: AUXG18KVLA / AUXG24KVLA



### Specifications

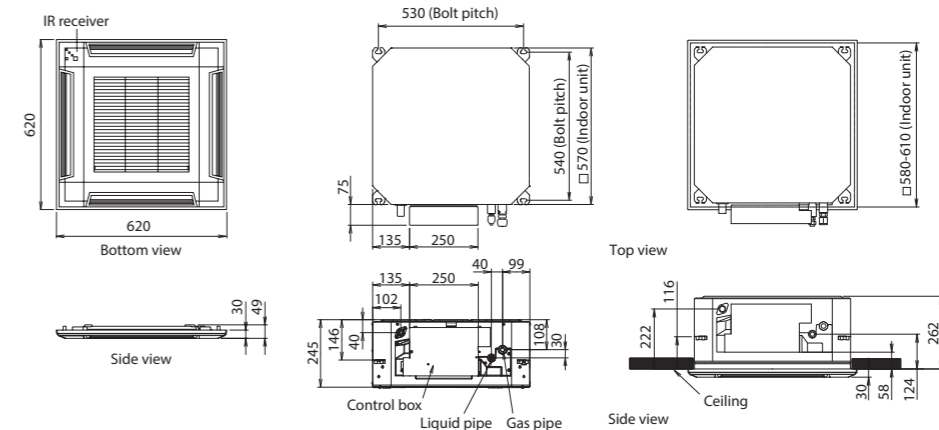
Model name	Indoor unit		AUXG18KVLA		AUXG24KVLA	
	Outdoor unit		AOHG18KATA		AOHG24KATA	
Power Source		V/Ø/Hz	230/1/50		230/1/50	
Capacity	Cooling (Min.-Max.)	kW	5.2 (0.9-5.4)		6.8 (0.9-7.4)	
	Heating (Min.-Max.)	Btu/h	17,700 (3,100-18,400)		23,200 (3,100-25,200)	
Input Power	Cooling	kW	6.0 (0.9-6.3)		7.5 (0.9-8.6)	
	Heating	Btu/h	20,500 (3,100-21,400)		25,600 (3,100-29,300)	
EER	Cooling/Heating	kW	1.69/1.72		2.26/2.08	
COP	Cooling	W/W	3.08		3.01	
	Heating	W/W	3.49		3.61	
Running Current	Cooling/Heating	A	7.8 / 7.9		10.0 / 9.1	
Moisture Removal		l/h	2.2		2.7	
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)	dB(A)	38 / 34 / 30 / 26		49 / 44 / 36 / 30	
	Indoor (Heating)(H/M/L/Q)	dB(A)	43 / 38 / 34 / 30		49 / 45 / 40 / 33	
Airflow Rate (Cooling/Heating)	Outdoor	m³/h	51/52		54/55	
	Indoor (High)	m³/h	680 / 800		930 / 930	
Net Dimensions	Outdoor	m	1,710 / 1,840		2,885 / 2,350	
	Indoor / grille	mm	245 x 570 x 570 / 49 x 620 x 620		245 x 570 x 570 / 49 x 620 x 620	
H x W x D	Indoor / grille	kg	15 / 2.3		16 / 2.3	
	Outdoor	mm	542 x 799 x 290		632 x 799 x 290	
Weight	Indoor / grille	kg	33		38	
	Outdoor	kg	6.35/12.70		6.35/12.70	
Piping Connections (Small / Large)		mm	25/32		25/32	
Drain port Diameter (I.D./O.D.)		m	20 (15)		25 (20)	
Max. Pipe Length (Pre-Charge)		m	15		20	
Max. Height Difference	Cooling	°CDB	-10 to 46		-10 to 46	
	Heating	°CDB	-15 to 24		-15 to 24	
Refrigerant			R32		R32	
Cassette Grille	Model name		UTG-UFGF-W		UTG-UFGF-W	

### Optional parts

Compact wired remote controller:	UTY-RCRGZ1 UTY-RCRGZ1K	Wireless remote controller:	UTY-LNTG	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRGZ5	External switch controller:	UTY-TERX	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRG UTY-RNNGM UTY-RVNGM	Air Outlet Shutter Plate:	UTR-YDZB	Insulation kit for high humidity:	UTZ-KXGC
Simple remote controller (without operation mode):	UTY-RHRG	External connect kit:	UTG-XWZXZG	External input and output PCB:	UTY-XCSX
Simple remote controller:	UTY-RSRG UTY-RSNGM	Cassette Grille:	UTG-UFGF-W	External input and output PCB box:	UTZ-GXRA
		Fresh air intake kit:	UTZ-VXAA		
		MODBUS converter:	UTY-VMSX		
		KNX Converter:	UTY-VKSX		
		WLAN adapter:	UTY-TFSXZ2		

### Dimensions

(Unit: mm)



# Cassette

## Circular Flow Series

Comfort for Large Rooms

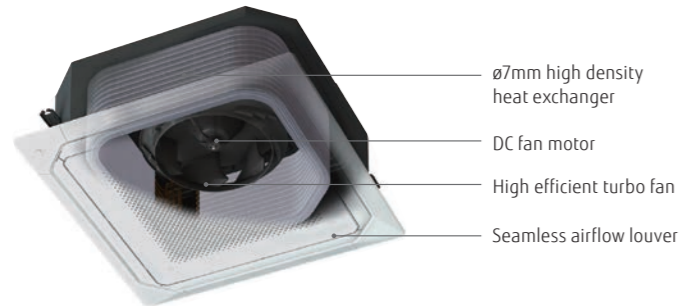


UTG-UKGA-B  
Black Grille



### 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-RNRGZ5) 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.



UTG-UKGA-W  
White Color Grille  
With touch panel wired remote controller

### 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-RNRGZ5) only

Model: AUXG18KRLB / AUXG24KRLB / AUXG30KRLB / AUXG36KRLB / AUXG45KRLB / AUXG54KRLB  
AUXG36KRLB [3-phase] / AUXG45KRLB [3-phase] / AUXG54KRLB [3-phase]



### Specifications

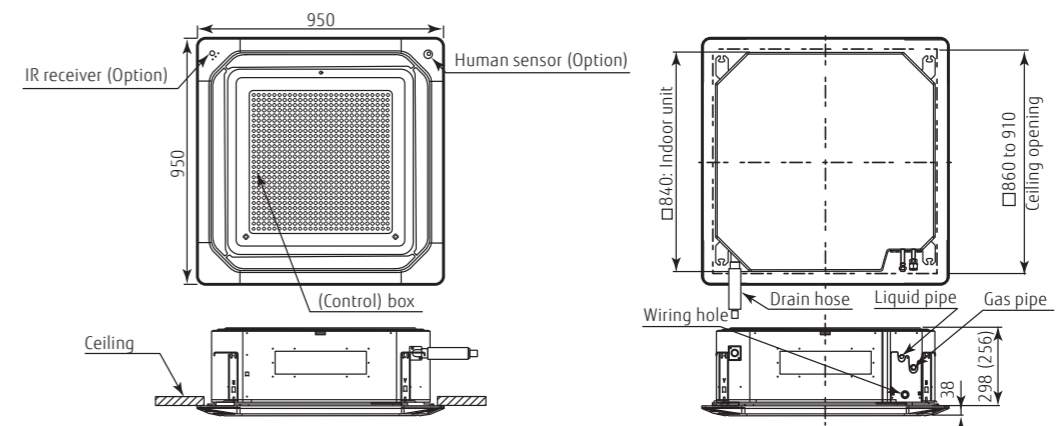
Model name	Indoor unit		AUXG18KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit		AOHG18KATA	AOHG24KATA	AOHG30KATA	AOHG36KATA	AOHG45KATA	AOHG54KATA	AOHG36KQTA	AOHG45KQTA	AOHG54KQTA
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
Capacity	Cooling (Min.-Max.)	kW	5.2 (0.9-5.4)	6.8 (0.9-7.4)	8.5 (2.8-9.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	13.4 (4.5-13.8)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	13.4 (4.5-13.8)
		Btu/h	17,700 (3,100-18,400)	23,200 (3,100-25,200)	29,000 (9,600-32,700)	32,400 (9,600-36,100)	41,300 (13,600-43,000)	45,700 (15,400-47,100)	32,400 (9,600-36,100)	41,300 (13,600-43,000)	45,700 (15,400-47,100)
Capacity	Heating (Min.-Max.)	kW	6.0 (0.9-6.3)	7.5 (0.9-8.6)	10.0 (2.7-10.8)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	15.5 (4.7-16.0)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	15.5 (4.7-16.0)
		Btu/h	20,500 (3,100-21,400)	25,600 (3,100-29,300)	34,100 (9,200-36,800)	36,900 (9,200-42,600)	46,000 (14,300-51,200)	52,900 (16,000-54,600)	36,900 (9,200-42,600)	46,000 (14,300-51,200)	52,900 (16,000-54,600)
Input Power	Cooling/Heating	kW	1.60/1.66	2.12/1.97	2.56/2.64	3.06/2.58	4.32/3.77	4.87/4.86	3.06/2.58	4.32/3.77	4.87/4.86
EER	Cooling	W/W	3.25	3.21	3.32	3.10	2.80	2.75	3.10	2.80	2.75
COP	Heating	W/W	3.61	3.81	3.79	4.19	3.58	3.19	4.19	3.58	3.19
Running Current	Cooling/Heating	A	7.4/7.7	9.3/8.7	11.3/11.7	13.6/11.4	18.8/16.6	21.4/21.3	5.9/5.9	7.8/7.0	8.6/8.6
Moisture Removal		l/h	15	27	25	33	45	50	33	45	50
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)	dB(A)	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)(H/M/L/Q)		33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Outdoor		51/52	54/55	53/55	55/55	58/59	58/61	55/55	60/60	61/61
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	1,050/1,050	1,150/1,150	1,600/1,600	1,870/1,870	2,000/2,000	2,100/2,100	1,870/1,870	2,000/2,000	2,100/2,100
	Outdoor		1,710/1,840	2,885/2,350	3,750/3,750	3,750/3,750	4,450/4,450	4,450/4,780	3,750/3,750	4,450/4,450	4,450/4,780
Net Dimensions H x W x D	Indoor / grille	mm	246 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950	288 × 840 × 840 / 53 × 950 × 950
	Outdoor		kg	23/6.0	24/6.0	26/6.0	29/6.0	29/6.0	29/6.0	29/6.0	29/6.0
Weight		kg	542 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Piping Connections (Small / Large)		mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		m	20 (15)	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
Max. Height Difference		m	15	20	30	30	30	30	30	30	30
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R32	R32	R32	R32	R32	R32	R32	R32	R32
Cassette Grille	Model name	UTG-UKGA-W: White wired remote controller (touch panel) / UTG-UKGC-W: White/UTG-UKGA-B*1: Black									

### Optional parts

Compact wired remote controller:	UTY-RCRGZ1 UTY-RCRGZ1K	WLAN adapter:	UTY-TFSXZ2	Cassette Grille:	UTG-UKGA-B UTG-UKGA-W
Wired remote controller (touch panel):	UTY-RNRGZ5	External input and output PCB:	UTZ-XCSX	UTG-UKGC-W	
Wired remote controller:	UTY-RLRG UTY-RNNGM UTY-RVNGM	External input and output PCB box:	UTZ-GXRA	Network Converter for single split (DC power supply type):	UTY-VTGX
	UTY-RHNGM UTY-RHRG UTY-RSRG	Insulation kit for high humidity:	UTZ-KXRA	Network Converter for single split (AC power supply type):	UTY-VTGVXV
Simple remote controller (without operation mode):	UTY-RVNGM	Fresh air intake kit:	UTZ-VXRA	External switch controller:	UTY-TERX
Simple remote controller:	UTY-RHRG UTY-RSNGM	Wide Panel:	UTG-AKXA-W		
Human sensor kit:	UTY-RSNGM	Panel Spacer:	UTG-BKXA-W	(Outdoor unit 30/36/45/54)	
IR receiver unit	UTY-SHZXC UTY-LBTGC	External connect kit:	UTY-XWZXZG	External connect kit:	UTY-XWZXZ3
		MODBUS converter:	UTY-VMSX		
		KNX Converter:	UTY-VKXSX		
		Air Outlet Shutter Plate:	UTR-YDZK		

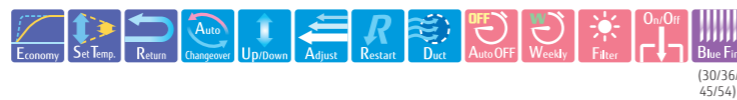
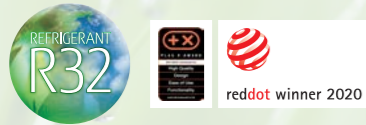
### Dimensions

(Unit: mm)



( ): AUXG18/24KRLB

# Ceiling



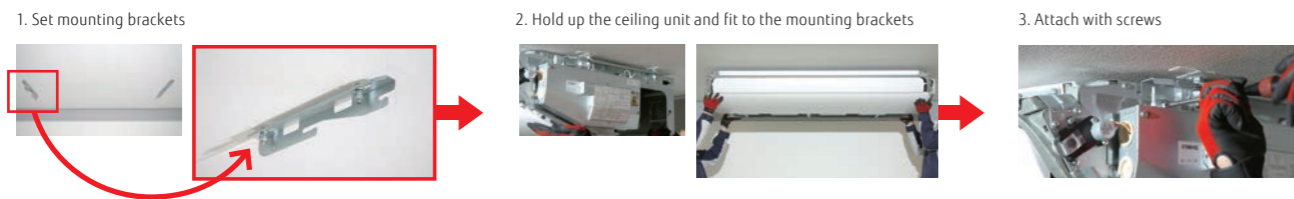
## Light elegant design

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



## Easy installation

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



## Easy maintenance

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



The drain pan can be removed for cleaning.



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



## Flexible installation

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



Model: ABHG18KRTA / ABHG24KRTA / ABHG30KRTA / ABHG36KRTA / ABHG45KRTA / ABHG36KRTA [3-phase] / ABHG45KRTA [3-phase] / ABHG54KRTA [3-phase]



## Specifications

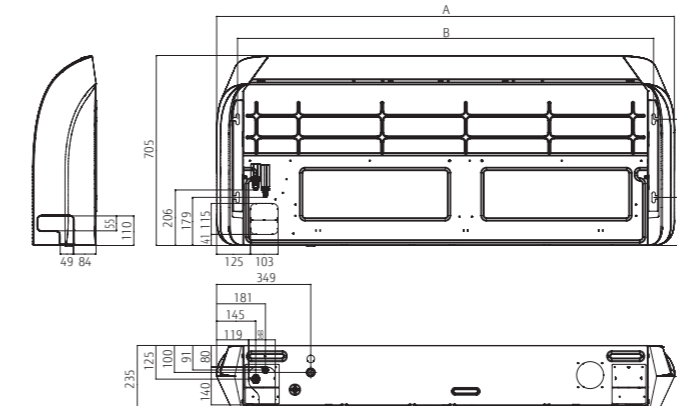
Model name	Indoor unit			Outdoor unit			
	ABHG18KRTA	ABHG24KRTA	ABHG30KRTA	ABHG36KRTA	ABHG45KRTA	ABHG54KRTA	
Power Source	V/Ø/Hz			V/Ø/Hz			
Capacity	Cooling (Min.-Max.)	kW	5.2 (0.9-5.4)	6.8 (0.9-7.4)	8.5 (2.8-9.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)
		Btu/h	17,700 (3,100-18,400)	23,200 (3,100-25,200)	29,000 (9,600-32,700)	32,400 (9,600-36,100)	41,300 (13,600-43,000)
	Heating (Min.-Max.)	kW	6.0 (0.9-6.3)	7.5 (0.9-8.6)	10.0 (2.7-10.8)	10.8 (2.7-12.5)	13.5 (4.2-15.0)
		Btu/h	20,500 (3,100-21,400)	25,600 (3,100-29,300)	34,100 (9,200-36,800)	36,900 (9,200-42,600)	46,100 (14,300-51,200)
Input Power	Cooling/Heating	kW	1.66/1.71	2.19/2.00	2.78/2.86	3.13/3.03	4.84/4.18
EER	Cooling	W/W	3.13	3.11	3.06	3.04	2.50
COP	Heating	W/W	3.51	3.75	3.5	3.56	3.23
Running Current	Cooling/Heating	A	7.4 / 7.6	9.7 / 8.8	12.3 / 12.6	13.8 / 13.3	21.3 / 18.4
Moisture Removal		l/h	2.0	2.2	3.0	2.6	4.5
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)	dB(A)	38 / 36 / 33 / 31	41 / 36 / 32 / 29	45 / 40 / 35 / 32	44 / 40 / 37 / 32	45 / 41 / 39 / 34
	Indoor (Heating)(H/M/L/Q)		38 / 36 / 33 / 31	41 / 36 / 32 / 29	45 / 40 / 35 / 32	44 / 40 / 37 / 32	45 / 41 / 39 / 34
	Outdoor		51/52	54/55	53/55	55/55	58/59
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	840/840	1,230/1,230	1,400/1,400	1,850/1,800	1,900/1,850
	Outdoor		1,710/1,840	2,885/2,350	3,750/3,750	3,750/3,750	4,450/4,450
Net Dimensions H x W x D	Indoor	mm	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705
	Outdoor		mm	542 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320
Weight	Indoor	kg	24	31	31	38	38
	Outdoor		kg	542 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320
Piping Connections (Small / Large)		mm	6.35/12.7	6.35/12.7	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		m	20 (15)	25 (20)	30 (30)	30 (30)	30 (30)
Max. Height Difference		m	15	20	30	30	30
Operating Range	Cooling	°CDB	-10 to 46	-10 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			R32	R32	R32	R32	R32

## Optional parts

Compact wired remote controller:	UTY-RCRG21 UTY-RCRG21K UTY-RNRGZ5	WLAN adapter:	UTY-TFSX22	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRGZ5	Drain pump unit:	UTR-DPB24T	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRG	IR receiver unit:	UTY-LBTGH	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRG	L-type piping kit:	UTP-FX24A (18/24) UTP-FX35A (30/36/45/54)	External connect kit:	UTY-XWZXG
Simple remote controller:	UTY-RSRG	Communication kit:	UTY-TWRXZ3	(Outdoor unit 30/36/45/54)	
External input and output PCB:	UTY-XCSX	MODBUS converter:	UTY-VMSX	External connect kit:	UTY-XWZXZ3
External input and output PCB box:	UTZ-GXEA	KNX Converter:	UTY-VKXS		

## Dimensions

(Unit: mm)



	ABHG18KRTA	ABHG24/30KRTA	ABHG36/45/54KRTA
A	1,080	1,390	1,700
B	923	1,233	1,543

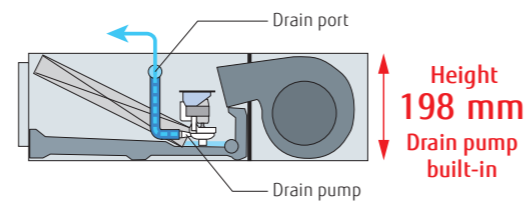
# Slim Duct

Slim Design



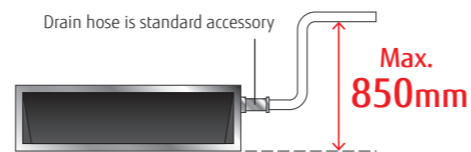
## Slim design

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



## Drain pump is standard accessory

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



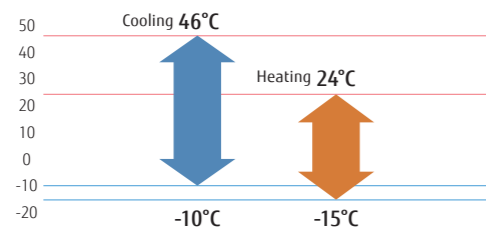
## Selectable with a wide range of static pressure

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

## Wide operation range

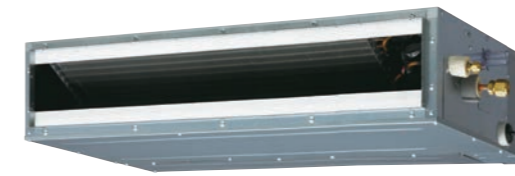


## Auto louver grille kit (Option)

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



Model: ARXG18KLLAP



AOHG18KATA

## Specifications

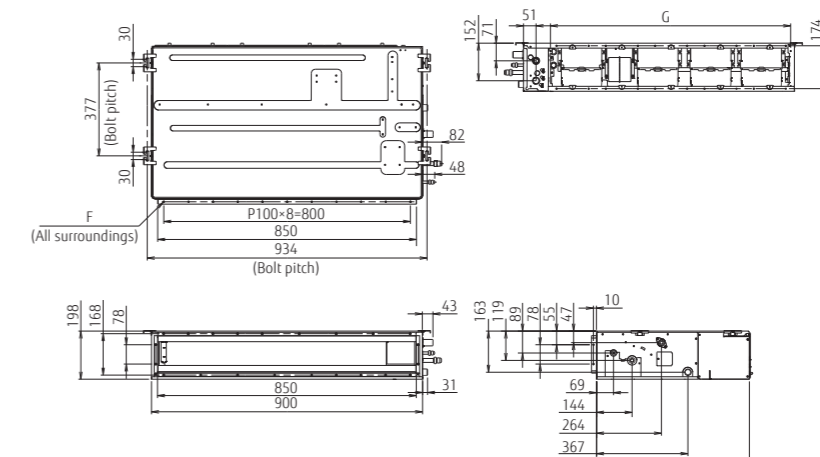
Model name	Indoor unit		Outdoor unit	
	ARXG18KLLAP		AOHG18KATA	
Power Source		V/Ø/Hz	230/1/50	
Capacity	Cooling (Min.-Max.)	kW	5.2 (0.9-5.4)	
		Btu/h	17,700 (3,100-18,400)	
Input Power	Heating (Min.-Max.)	kW	6.0 (0.9-6.3)	
		Btu/h	20,500 (3,100-21,400)	
EER	Cooling/Heating	kW	1.66/1.71	
COP	Cooling	W/W	3.13	
Running Current	Heating	W/W	3.51	
Moisture Removal	Cooling/Heating	A	7.6 / 7.9	
		l/h	2.0	
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)	dB(A)	32 / 30 / 29 / 27	
	Indoor (Heating)(H/M/L/Q)		32 / 30 / 29 / 27	
	Outdoor		51/52	
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	940/940	
	Outdoor		1,710/1,840	
Net Dimensions H x W x D	Indoor	mm	198 x 900 x 620	
	Outdoor		542 x 799 x 290	
Weight	Indoor	kg	20	
	Outdoor		33	
Piping Connections (Small / Large)		mm	6.35/12.70	
Drain port Diameter (I.D./O.D.)		mm	25/32	
Max. Pipe Length (Pre-Charge)		m	20 (15)	
Max. Height Difference			15	
Operating Range	Cooling	°CDB	-10 to 46	
	Heating		-15 to 24	
Refrigerant			R32	

## Optional parts

Compact wired remote controller:	UTY-RCRGZ1 UTY-RCRGZ1K UTY-RNRGZ5	Simple remote controller:	UTY-RSRG UTY-RSNGM UTY-TFSXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX UTY-VTGXV
Wired remote controller (touch panel):	UTY-RLRG	WLAN adapter:	UTY-LBTGM	External connect kit:	UTY-XSZXZ1
Wired remote controller:	UTY-RNNGM UTY-RVNGM	IR receiver unit:	UTY-VMSX	Remote sensor unit:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRG	MODBUS converter:	UTY-VKSX	External switch controller:	UTY-TERX
		KNX Converter:	UTD-GXTB-W		

## Dimensions

(Unit: mm)

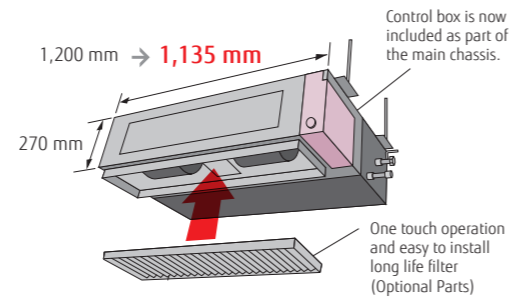


# Medium Static Pressure Duct Standard



## Slim & Compact design

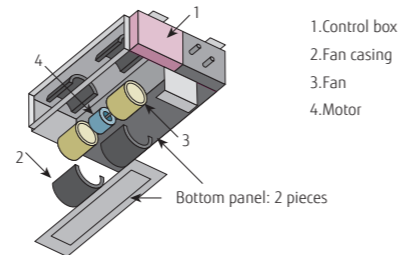
In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270 mm, further space savings have been achieved by mounting the control box internally inside the chassis.



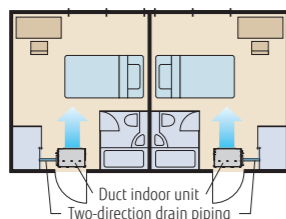
## Easy maintenance

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.

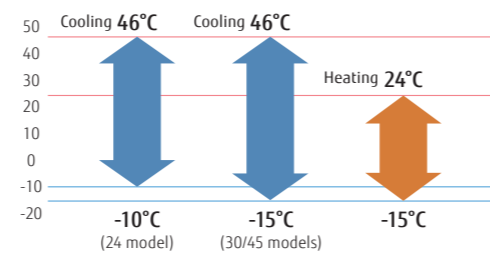
See below for the case of rear suction type



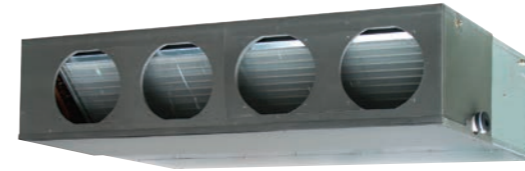
## Two-direction drain piping



## Wide operation range



Model: ARXG24KMLA / ARXG30KMLA / ARXG36KMLA / ARXG45KMLA  
ARXG36KMLA [3-phase] / ARXG45KMLA [3-phase]



## Specifications

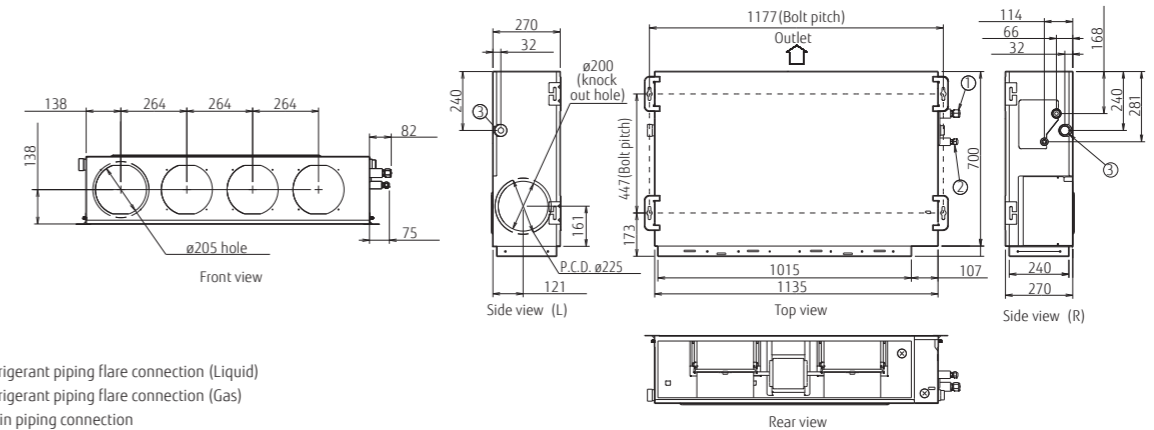
Model name	Indoor unit		ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit		AOHG24KATA	AOHG30KATA	AOHG36KATA	AOHG45KATA	AOHG36KQTA	AOHG45KQTA
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50
Capacity	Cooling (Min.-Max.)	kW	6.8 (0.9-7.4)	8.5 (2.8-9.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)
		Btu/h	23,200 (3,100-25,200)	29,000 (9,600-32,700)	32,400 (9,600-36,100)	41,300 (13,600-43,000)	32,400 (9,600-36,100)	41,300 (13,600-43,000)
Capacity	Heating (Min.-Max.)	kW	7.5 (0.9-8.6)	10.0 (2.7-10.8)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	10.8 (2.7-12.5)	13.5 (4.2-15.0)
		Btu/h	25,600 (3,100-29,300)	34,100 (9,200-36,800)	36,900 (9,200-42,600)	46,100 (14,300-51,200)	36,900 (9,200-42,600)	46,100 (14,300-51,200)
Input Power	Cooling/Heating	kW	2.19/2.00	2.78/2.77	3.13/3.03	4.84/4.18	3.13/3.03	4.84/4.18
EER	Cooling	W/W	3.11	3.06	3.04	2.50	3.04	2.50
COP	Heating	W/W	3.75	3.61	3.56	3.23	3.56	3.23
Running Current	Cooling/Heating	A	9.7 / 8.8	12.3 / 12.3	13.8 / 13.4	21.3 / 18.3	6.0 / 5.8	8.6 / 7.6
Moisture Removal		l/h	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)	dB(A)	31 / 29 / 27 / 25	39 / 35 / 30 / 26	39 / 35 / 30 / 26	42 / 38 / 32 / 28	39 / 35 / 30 / 26	42 / 38 / 32 / 28
	Indoor (Heating)(H/M/L/Q)	dB(A)	31 / 29 / 27 / 25	42 / 35 / 30 / 26	42 / 35 / 30 / 26	42 / 38 / 32 / 28	42 / 35 / 30 / 26	42 / 38 / 32 / 28
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	1,100/1,100	1,900/2,100	1,900/2,100	2,100/2,100	1,900/2,100	2,100/2,100
	Outdoor	m³/h	2,885/2,350	3,750/3,750	3,750/3,750	4,450/4,450	3,750/3,750	4,450/4,450
Net Dimensions H x W x D	Indoor	mm	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
	Outdoor	mm	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg	35	38	38	39	38	39
	Outdoor	kg	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Piping Connections (Small / Large)		mm	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	35.7/38.1	35.7/38.1
Max. Pipe Length (Pre-Charge)		m	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
Max. Height Difference		m	20	30	30	30	30	30
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R32	R32	R32	R32	R32	R32

## Optional parts

Compact wired remote controller:	UTY-RCRGZ1 UTY-RCRGZ1K	WLAN adapter:	UTY-TFSXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRGZ5	Flange (Round):	UTD-RF204	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRG UTY-RNNGM UTY-RVNGM UTY-RSNGM	Flange (Square):	UTD-SF045T	MODBUS converter:	UTY-VMSXV
Simple remote controller (without operation mode):	UTY-RHRG	IR receiver unit:	UTY-LBTGM	KNX Converter:	UTY-VKXS
Simple remote controller:	UTY-RSRG UTY-RSNGM	Remote sensor unit:	UTY-XSZXZ1	(Outdoor unit 30/36/45)	
		External connect kit:	UTY-XWZXZG	External connect kit:	UTY-XWZXZG
		External switch controller:	UTY-TERX		
		Long-life filter:	UTD-LF25NA		
		Drain pump unit:	UTZ-PXINBA		

## Dimensions

(Unit: mm)



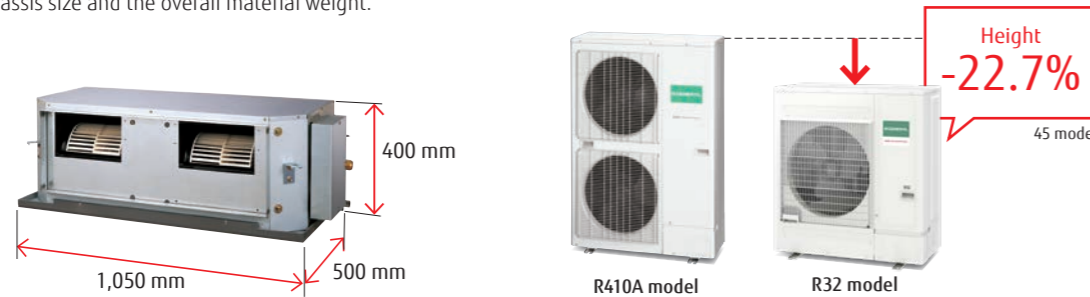
- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

# High Static Pressure Duct



## Easy installation (Compact & Lightweight)

The indoor and outdoor units are designed to be compact and light by reducing the basic chassis size and the overall material weight.

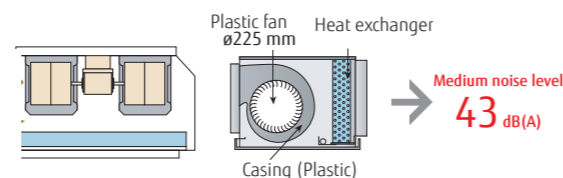


## Design also suits high static pressure



## Low noise

Slanted corners at the top help reduce turbulent airflow. Low noise is realized by adopting a plastic case and a plastic fan.



Model: ARXG45KHTB [3-phase] / ARXG54KHTB [3-phase]



AOHG45KRTA  
AOHG54KRTA

### Specifications

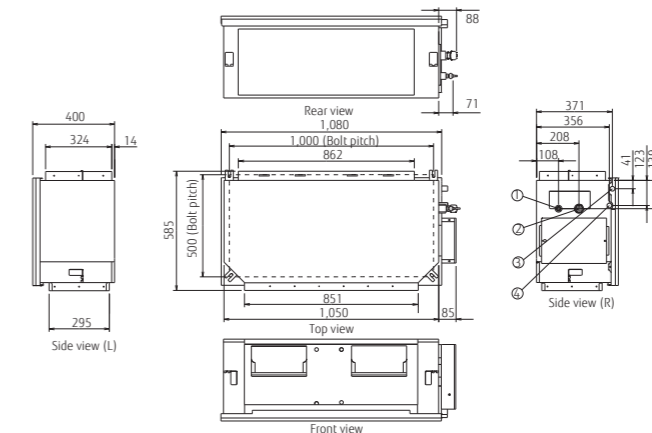
Model name	Indoor unit		ARXG45KHTB	ARXG54KHTB
	Outdoor unit		AOHG45KRTA	AOHG54KRTA
Power Source		V/Ø/Hz	400/3/50	400/3/50
Capacity	Cooling (Min.-Max.)	kW	12.1 (4.0-14.0)	13.4 (5.0-14.5)
		Btu/h	41,300 (13,600-47,800)	45,700 (17,100-49,400)
Capacity	Heating (Min.-Max.)	kW	13.5 (5.0-16.2)	15.5 (5.5-18.0)
		Btu/h	46,100 (17,100-55,300)	52,900 (18,800-61,400)
Input Power	Cooling/Heating	kW	4.16/3.61	4.77/4.18
EER	Cooling	W/W	2.91	2.81
COP	Heating	W/W	3.74	3.71
Running Current	Cooling/Heating	A	7.6 / 6.8	8.5 / 7.6
Moisture Removal		l/h	1.5	2.0
Sound Pressure Level	Indoor (Cooling)(H/M/L)		47 / 43 / 40	47 / 43 / 40
	Indoor (Heating)(H/M/L)	dB(A)	47 / 43 / 40	47 / 43 / 40
	Outdoor		57/57	57/59
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	3,350/3,350	3,350/3,350
	Outdoor		4,450/4,450	4,450/4,450
Net Dimensions H x W x D	Indoor	mm	400 x 1,050 x 500	400 x 1,050 x 500
	Outdoor	kg	46	46
Weight		mm	998 x 940 x 320	998 x 940 x 320
		kg	67	67
Piping Connections (Small / Large)		mm	9.52/15.88	9.52/15.88
Drain port Diameter (L.D./O.D.)		mm	23.4/25.4	23.4/25.4
Max. Pipe Length (Pre-Charge)		m	50 (30)	50 (30)
Max. Height Difference			30	30
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant			R32	R32

### Optional parts

Compact wired remote controller: UTY-RCRGZ1 UTY-RCRGZ1K	Remote sensor unit: UTY-XSZXZ1	Network Converter for single split (DC power supply type): UTY-VTGX
Wired remote controller (touch panel): UTY-RNRGZ5	Long-life filter: UTD-LF60KA	Network Converter for single split (AC power supply type): UTY-VTGXV
Wired remote controller: UTY-RLRG	External switch controller: UTY-TERX	External input and output PCB: UTY-XCSX
Simple remote controller: UTY-RSRG	WLAN adapter: UTY-TFSXZ2	External input and output PCB box: UTZ-GXEA
UTY-RHRG	MODBUS converter: UTY-VMSX	
UTY-LBTGM	KNX Converter: UTY-VKSX	(Outdoor unit) UTY-XWZXZ3
	External connect kit: UTY-XWZXZG	External connect kit:

### 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)

# High Static Pressure Duct



## Model : ARHG60LHTA [3 phase]



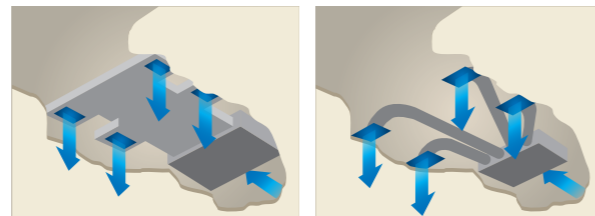
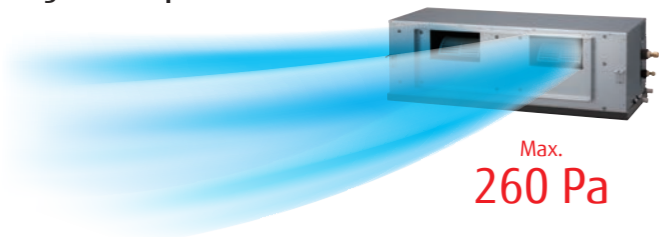
### Specifications

Model No.	Indoor unit		Outdoor unit	
	ARHG60LHTA		AOHG60LATT	
Power Source		V/Ø/Hz	400/3/50	
Capacity	Cooling (Min.-Max.)	kW	15.0(6.0-18.0)	
		Btu/h	51,200(21,200-60,000)	
Input Power	Cooling/Heating	kW	4.70/5.15	
		W/W	3.19	
EER	Cooling	W/W	3.50	
COP	Heating	W/W	3.50	
Running Current	Cooling/Heating	A	7/8	
Moisture Removal		l/h	2.0	
Sound Pressure Level	Indoor (Cooling)(H/M/L)		45 / 40 / 36	
	Indoor (Heating)(H/M/L)	dB(A)	45 / 40 / 36	
	Outdoor		56/58	
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	3,350/3,350	
	Outdoor		6,900/7,300	
Net Dimensions H x W x D	Indoor	mm	425 x 1,250 x 490	
		kg	54	
Net Weight	Outdoor	mm	1,290 x 900 x 330	
		kg	104	
Piping Connections (Small / Large)		mm	9.52/15.88	
Drain Pipe Diameter (I.D./O.D.)		mm	23.4/25.4	
Max. Pipe Length (Pre-Charge)		m	75(30)	
Max. Height Difference			30	
Operation Range	Cooling	°CDB	-10 to 46	
	Heating		-15 to 24	
Refrigerant			R410A	

### High energy efficiency

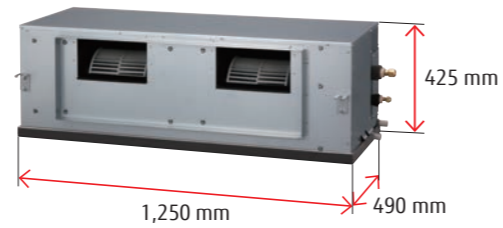
Much greater efficiency is achieved by the use of all-DC inverter technology.

### Design also corresponding to high static pressure



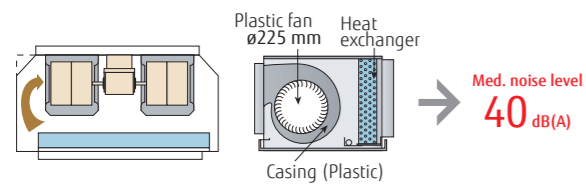
### Easy installation (Compact & Lightweight)

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

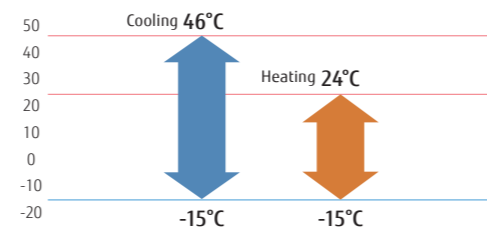


### Low noise

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

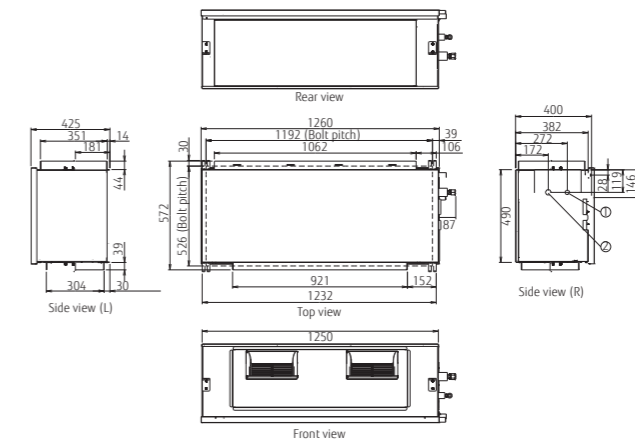


### Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- External Switch Controller: UTY-TERX
- Remote Sensor Unit: UTY-XSZXZ1
- External Connect Kit: UTD-ECS5A
- IR Receiver Unit: UTY-LRHGM
- WLAN adapter: UTY-TFNXZ3
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- (Outdoor unit) External connect kit: UTY-XWZXZ2

### Dimensions

(Unit: mm)



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

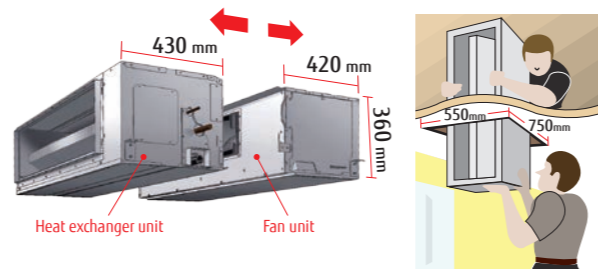


# Big Duct



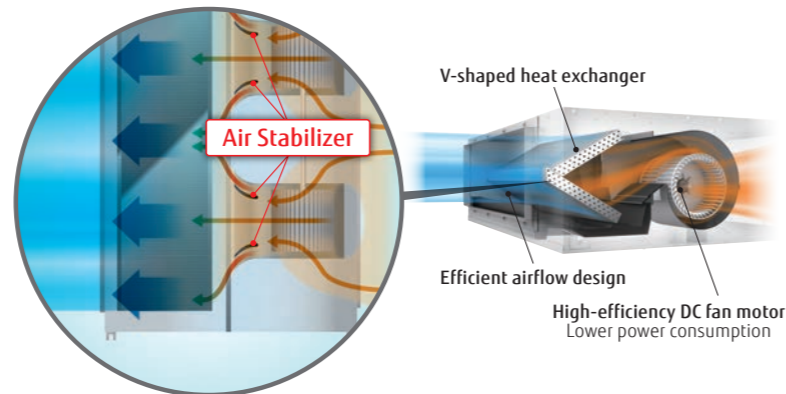
## Splittable, lightweight, and compact design

The indoor unit can be split into a fan unit and a heat exchanger unit to make installation easier.



## Quiet operation

The combination of a V-shaped heat exchanger, an air stabilizer, and a high-efficiency DC fan motor enables this compact unit to operate quietly.



## Automatic airflow adjustment function

The optimum airflow can be set automatically to facilitate faster installation.



Model: ARHG72LHTA / ARHG90LHTA



AOHG72LRLA  
AOHG90LRLA

### Specifications

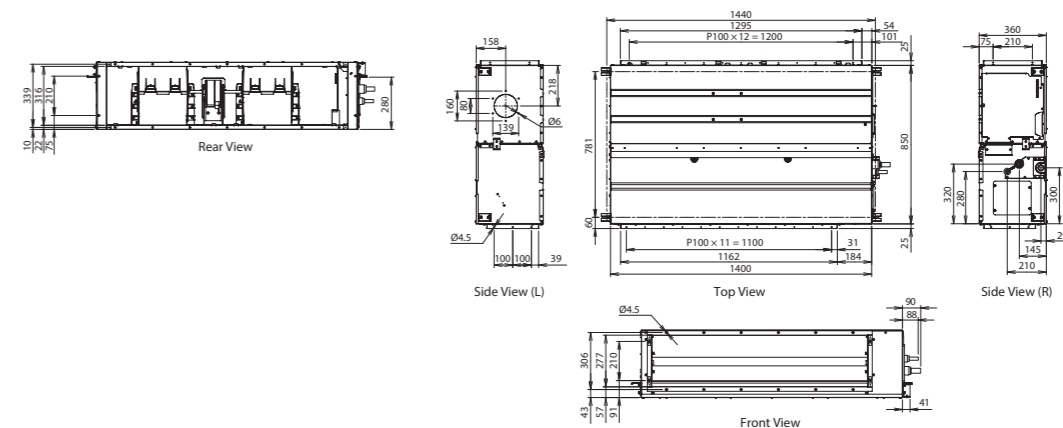
Model name	Indoor unit		ARHG72LHTA	ARHG90LHTA
	Outdoor unit		AOHG72LRLA	AOHG90LRLA
Power Source	Indoor	V/Hz	230/1/50	230/1/50
	Outdoor		400/3/50	400/3/50
Capacity	Cooling (Min.-Max.)	kW	19.0 (8.4-20.9)	22.0 (10.3-24.2)
		Btu/h	64,800 (28,600-71,300)	75,000 (35,100-82,500)
	Heating (Min.-Max.)	kW	22.4 (7.2-24.6)	27.0 (8.5-29.7)
		Btu/h	76,400 (24,500-83,900)	92,100 (29,000-101,300)
Input Power	Cooling/Heating	kW	6.46/6.59	7.77/8.18
EER	Cooling		2.94	2.83
COP	Heating	W/W	3.40	3.30
Running Current (Cooling/Heating)	Indoor	A	3.2 / 3.2	3.5 / 3.5
	Outdoor		11.2 / 11.5	13.5 / 14.1
Moisture Removal		l/h	4.5	6.0
Sound Pressure Level	Indoor (Cooling)(H/M/L/Q)		46 / 43 / 41 / 39	47 / 44 / 42 / 40
	Indoor (Heating)(H/M/L/Q)	dB(A)	46 / 43 / 41 / 39	47 / 44 / 42 / 40
	Outdoor		55/55	55/57
Airflow Rate (Cooling/Heating)	Indoor (High)	m³/h	4,300/4,300	4,300/4,300
	Outdoor		8,400/8,400	8,400/9,000
Net Dimensions H x W x D	Indoor	mm	360 x 1,400 x 850	360 x 1,400 x 850
	Outdoor	mm	1,428 x 1,080 x 480	1,428 x 1,080 x 480
Weight	Indoor	kg	69	80
	Outdoor	kg	165	174
Piping Connections (Small / Large)		mm	12.7/25.4	12.7/25.4
Drain Hose Diameter (I.D./O.D.)			25/32	25/32
Max. Pipe Length (Pre-Charge)		m	100 (30)	100 (30)
Max. Height Difference			30	30
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46
	Heating		-20 to 24	-20 to 24
Refrigerant			R410A	R410A

### Optional parts

Compact wired remote controller:	UTY-RCRGZ1 UTY-RCRGZ1K UTY-RNRGZ5	WLAN adapter:	UTY-TFSXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RLRG	External input and output PCB:	UTY-XCSX	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RNRGZ5 UTY-RLRG UTY-RNNGM UTY-RVNGM	Remote sensor unit:	UTY-XSZXZ1	External connect kit:	UTY-XWZXZG
Simple remote controller (without operation mode):	UTY-RHRG	Long-life filter:	UTD-LFKA	Drain pump unit:	UTZ-PX1NAB
Simple remote controller:	UTY-RSRG UTY-RSNGM	IR receiver unit:	UTY-LBTGM UTY-LRHGM	(Outdoor unit) External connect kit:	UTY-XWZXZ3
		MODBUS converter:	UTY-VMSX		
		KNX Converter:	UTY-VKSX		
		External switch controller:	UTY-TERX		

### Dimensions

(Unit: mm)

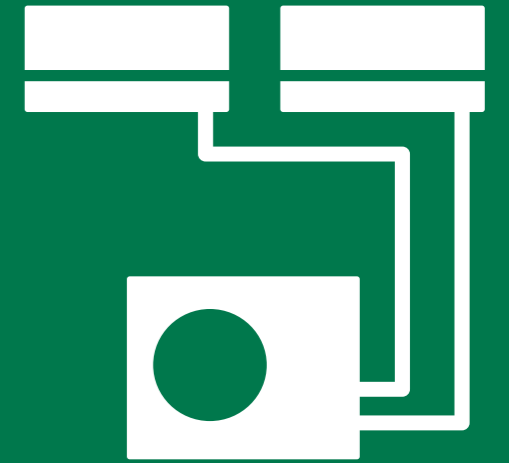


# Feature Summary

Country		★ for Vietnam		Common models								Common models					
Type		Wall Mounted		Wall Mounted				Compact Cassette	Circular Flow Cassette	Ceiling	Slim Duct	Medium Static Pressure Duct	High Static Pressure Duct	Big Duct			
Air Conditioning Type		Cooling only		Heating & Cooling	Cooling only	Heating & Cooling		Heating & Cooling									
Model No.		ASGH09/12CPTB-V	ASGG 09/12/18/24 CPTA-V	ASGG09LLTB-V ASGG12LLTA-V	ASGG 18/24/30/36 CETA-B	ASHH09/12KLTA	ASGH18/24KMTA-R	ASGG18/24KJTA-B	AUXG18KVLA AUXG24KVLA	AUXG 18/24/30/36/45/54 KRLB	ABHG 18/24/30/36/45/54 KRTA	ARXG18KLLAP	ARXG 24/30/36/45 KMLA	ARXG45/54KHTB	ARHG60LHTA	ARHG72/90LHTA	
Energy Saving Function	Save human sensor							●		○							
	Economy operation	●	●	●		●	○	●	●	●	●	●	●	●	●	●	●
	Room temperature set point limitation								○	●	●	○	○	○	○	○	●
	Set temperature auto return								●	●	●	●	●	○	○	○	●
Comfortable Function	Power diffuser																
	Powerful operation	●	●	●	●	●	●	●									
	10°C HEAT operation							●	○	○	○	○	○	○	○	○	○
	Outdoor unit low noise operation		● (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		●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○
Program timer		●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○
Weekly timer							○		●	●	●	●	●	●	●	●	●
Weekly + setback timer									○		●	●	●	●	●	●	●
Filter sign		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
External error output					○		●	○	○	●	○	○	○	○	○	○	○
External ON/OFF input					○		○	○	●	●	●	●	●	●	○	○	●
Wireless LAN control					○		○	○	○	○	○	○	○	○	○	○	○
Clean Function	Ion deodorization filter																
	Apple-catechin filter																
	Long Life Filter												○	○			
	Washable panel	●	●	●	●	●	●	●									
	PM2.5 Filter	○	●		●		●	●									
Installation Support	Silver ion filter II (PM2.5+Anti virus)	●	○		○		○	○									
	Drain pump as standard								●	●	○	●	○				○
	Blue fin	●	●		●	●	●	●		● (30/36/45/54)	● (30/36/45/54)		● (30/36/45)	●	●	●	
Refrigerant cycle monitor	○																

○: 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.

M-002 **Outdoor Units Lineup**

M-004 **Connectable Indoor Units**





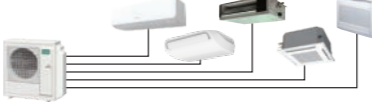
M-006 **2-Unit, 3-Unit, 4-Unit, 5-Unit Multi-Split**

M-010 **Indoor Units Specifications**

M-012 **Multi-Split Combination Table**

M-022 **Feature Summary**

# Outdoor Units Lineup

Class		14	18	20	24	30	36
Cooling rated capacity(kW)		4.0	5.0	5.2-5.4	6.8	8.0	9.5
2-unit, 3-unit, 4-unit, 5-unit Multi-split	2-unit Multi-split Up to 2 units	 R32	AOHG14KBTA2				
		 R32		AOHG18KBTA2			
	3-unit Multi-split Up to 3 units	 R32			AOHG18KBTA3	AOHG24KBTA3	
	4-unit Multi-split Up to 4 units	 R32					AOHG30KBTA4
	5-unit Multi-split Up to 5 units	 R32					AOHG36KBTA5

**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



## 2-unit to 5-unit Connectable Indoor Units

Type	2-unit		3-unit		4-unit	5-unit	
Model name	AOHG14KBTA2	AOHG18KBTA2	AOHG18KBTA3	AOHG24KBTA3	AOHG30KBTA4	AOHG36KBTA5	
Multi-split Type Outdoor Unit							
Capacity (kW)	Cooling	4.0	5.0	5.4	6.8	8.0	9.5
	Heating	4.4	5.6	6.8	8.0	9.6	10.6

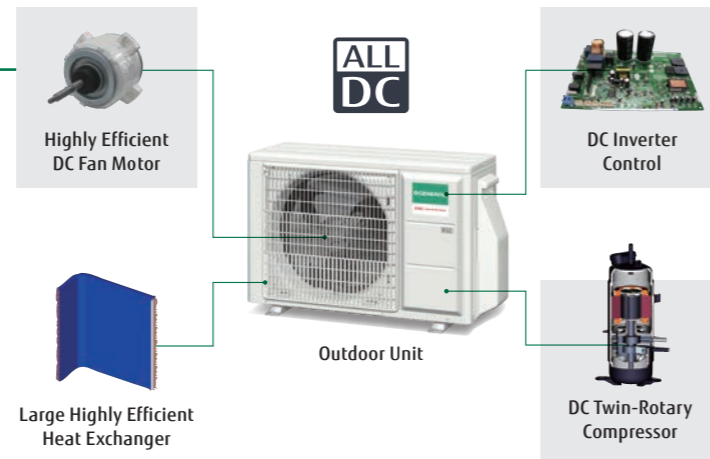
Indoor Unit	BTU	kW Class	2-unit	3-unit	4-unit	5-unit
 ASHG07/09/12/14KMCE	7,000	2.0	●	●	●	●
	9,000	2.5	●	●	●	●
	12,000	3.5	●	●	●	●
	14,000	4.0	-	●	●	●
 ASHG07/09/12/14KETE ASHG07/09/12/14KETE-B	7,000	2.0	●	●	●	●
	9,000	2.5	●	●	●	●
	12,000	3.5	●	●	●	●
	14,000	4.0	-	●	●	●
 ASHG07/09/12/14KGTE	7,000	2.0	●	●	●	●
	9,000	2.5	●	●	●	●
	12,000	3.5	●	●	●	●
	14,000	4.0	-	●	●	●
 ASHG18/22/24KMTE	18,000	5.0	-	-	-	●
	22,000	6.0	-	-	-	●
	24,000	7.0	-	-	-	●
 AUXG07/09/12/14/18/22KVLA	7,000	2.0	●	●	●	●
	9,000	2.5	●	●	●	●
	12,000	3.5	●	●	●	●
	14,000	4.0	-	●	●	●
	18,000	5.0	-	-	-	●
	22,000	6.0	-	-	-	●
 ARXG07/09/12/14/18KSLAP	7,000	2.0	●	●	●	●
	9,000	2.5	●	●	●	●
	12,000	3.5	●	●	●	●
	14,000	4.0	-	●	●	●
	18,000	5.0	-	-	-	●
 ARXG07/09/12/14/18KLLAP	7,000	2.0	●	●	●	●
	9,000	2.5	●	●	●	●
	12,000	3.5	●	●	●	●
	14,000	4.0	-	●	●	●
	18,000	5.0	-	-	-	●
 ARXG22KMLB	22,000	6.0	-	-	-	●

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



### High energy saving

With the adoption of a high-efficiency DC twin-rotary compressor, all models achieved an energy efficiency scale of A+++ for cooling and A++ for heating.



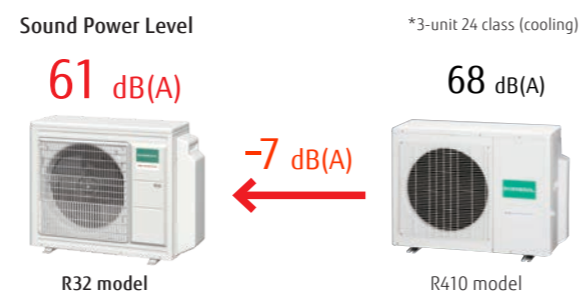
### R32 refrigerant model

In addition to its high energy efficiency, the R32 refrigerant has a larger volumetric capacity than the R410A refrigerant, which means the R32 refrigerant models require less refrigerant charge than the R410A models.

	Pre-charge refrigerant amount (kg)	
	R32	R410A
2-unit 14 class	0.9	1.25
2-unit 18 class	1.02	1.30
3-unit 18 class	1.8	2.2
3-unit 24 class	1.8	2.2
4-unit 30 class	2.2	3.3
5-unit 36 class	2.5	4.0

### Quiet operation

The sound power level is reduced by up to 7 dB compared to the current R410 models.



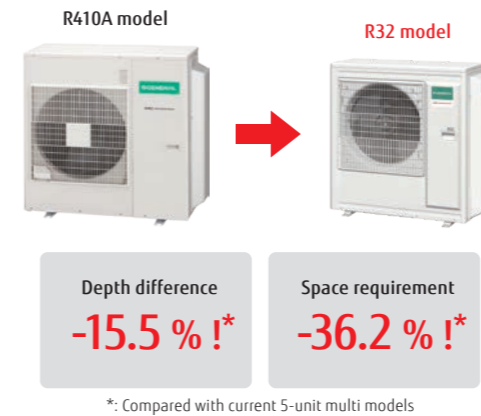
### Space-saving installation

Multiple indoor units can be connected to 1 outdoor unit by long piping as well. Unlike a single type, the outdoor unit can be installed in the most space-saving location.



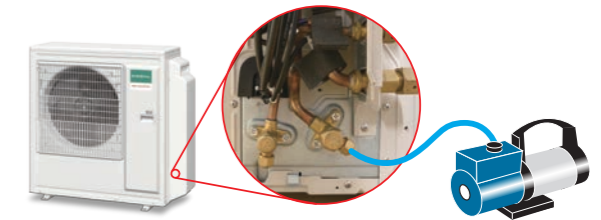
### Compact design

Unlike a single type, the outdoor unit can be installed in the most space-saving location.



### Easy evacuation

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



### Wide range of indoor units with various models

We offer 41 models in 5 types in a capacity range from 2.0 kW to 6.0 kW. Wide range of requirements can be realized from private homes through to large shops and hotels



### Models equipped with the New R32 Refrigerant

Wall-mounted type with sophisticated design

Designer Series



High Spec & Design  
07/09/12/14 kBTU



Cool beauty design  
07/09/12/14 kBTU

Standard Series



High Efficiency & Comfort  
07/09/12/14 kBTU



High Efficiency & Large Rooms  
18/22/24 kBTU

Middle and small capacity models are available. This makes installation easier in small spaces.



Mini Duct  
07/09/12/14/18 kBTU



Slim Duct  
07/09/12/14/18 kBTU



Medium static pressure duct  
22 kBTU



Compact Cassette  
07/09/12/14/18/22 kBTU

2-unit: AOHG14KBTA2 / AOHG18KBTA2  
 3-unit: AOHG18KBTA3 / AOHG24KBTA3  
 4-unit: AOHG30KBTA4  
 5-unit: AOHG36KBTA5



Specifications (2-unit)

Model name		AOHG14KBTA2		AOHG18KBTA2	
Power Source		Single phase, ~230 V, 50 Hz			
Rated Capacity (Min. - Max.)	Cooling	4.0 (1.4-4.6)		5.0 (1.7-5.8)	
	Heating	4.4 (1.1-5.5)		5.6 (1.8-6.6)	
Sound Pressure Level (High)	Cooling	47		47	
	Heating	49		50	
Sound Power Level (High)	Cooling	60		60	
	Heating	62		62	
Airflow Rate	Cooling/Heating	1,670/1,670		1,960/2,020	
Net Dimensions H × W × D		542 × 799 × 290		632 × 799 × 290	
Weight		33		37	
Connection Pipe Diameter	Liquid	6.35 × 2		6.35 × 2	
	Gas	9.52 × 2		9.52 × 2	
Max. Pipe Length		30/20		30/20	
Max. Height Difference	Between Outdoor Unit and Each Indoor Unit	15		15	
	Between Indoor Units	10		10	
Operating Range	Cooling	-10 to 46		-10 to 46	
	Heating	-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)	R32 (675)		R32 (675)	
	Charge	0.9 (0.608)		1.02 (0.689)	

Specifications (3-unit)

Model name		AOHG18KBTA3		AOHG24KBTA3	
Power Source		Single phase, ~230 V, 50 Hz			
Rated Capacity (Min. - Max.)	Cooling	5.4 (1.8-7.0)		6.8 (1.8-8.5)	
	Heating	6.8 (2.0-8.0)		8.0 (2.0-9.2)	
Sound Pressure Level (High)	Cooling	46		48	
	Heating	49		53	
Sound Power Level (High)	Cooling	59		61	
	Heating	61		67	
Airflow Rate	Cooling/Heating	2,220/2,160		2,270/2,730	
Net Dimensions H × W × D		716 × 820 × 315		716 × 820 × 315	
Weight		46		46	
Connection Pipe Diameter	Liquid	6.35 × 3		6.35 × 3	
	Gas	9.52 × 3		9.52 × 2, 12.70 × 1 adapter [12.70 → 9.52] × 1	
Max. Pipe Length		50/25		50/25	
Max. Height Difference	Between Outdoor Unit and Each Indoor Unit	15		15	
	Between Indoor Units	10		10	
Operating Range	Cooling	-10 to 46		-10 to 46	
	Heating	-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)	R32 (675)		R32 (675)	
	Charge	1.8 (1.215)		1.8 (1.215)	

Specifications (4-unit, 5-unit)

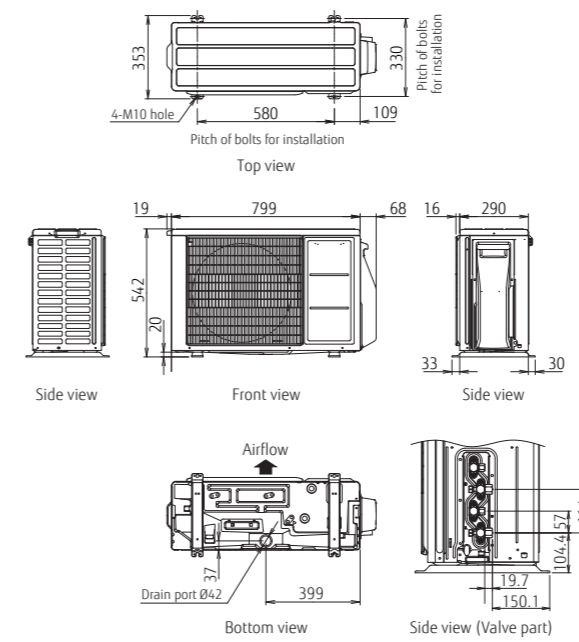
Model name		AOHG30KBTA4		AOHG36KBTA5	
Power Source		Single phase, ~230 V, 50 Hz			
Rated Capacity (Min. - Max.)	Cooling	8.0 (2.4-10.1)		9.5 (3.0-11.0)	
	Heating	9.6 (3.0-11.2)		10.6 (3.5-12.0)	
Sound Pressure Level (High)	Cooling	50		52	
	Heating	54		55	
Sound Power Level (High)	Cooling	63		65	
	Heating	66		68	
Airflow Rate	Cooling/Heating	2,400/2,950		2,450/2,900	
Net Dimensions H × W × D		884 × 820 × 315		884 × 820 × 315	
Weight		55		59	
Connection Pipe Diameter	Liquid	6.35 × 4		6.35 × 5	
	Gas	9.52 × 2, 12.70 × 2 adapter [12.70 → 9.52] × 2		9.52 × 3, 12.70 × 2 adapter [12.70 → 9.52] × 2 adapter [9.52 → 12.70] × 1	
Max. Pipe Length*		70/25		75/25	
Max. Height Difference	Between Outdoor Unit and Each Indoor Unit	15		15	
	Between Indoor Units	10		10	
Operating Range	Cooling	-10 to 46		-10 to 46	
	Heating	-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)	R32 (675)		R32 (675)	
	Charge	2.2 (1.485)		2.5 (1.688)	

\*Length not applicable when floor units are connected. For details, refer to the installation manual.

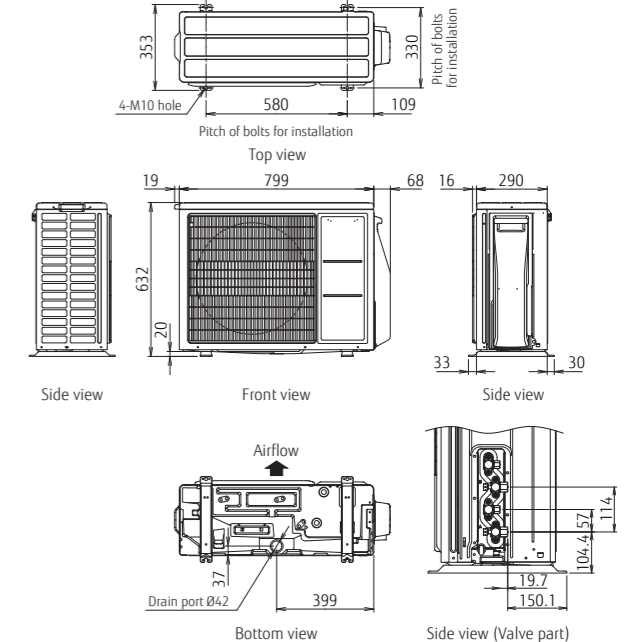
Dimensions

(Unit: mm)

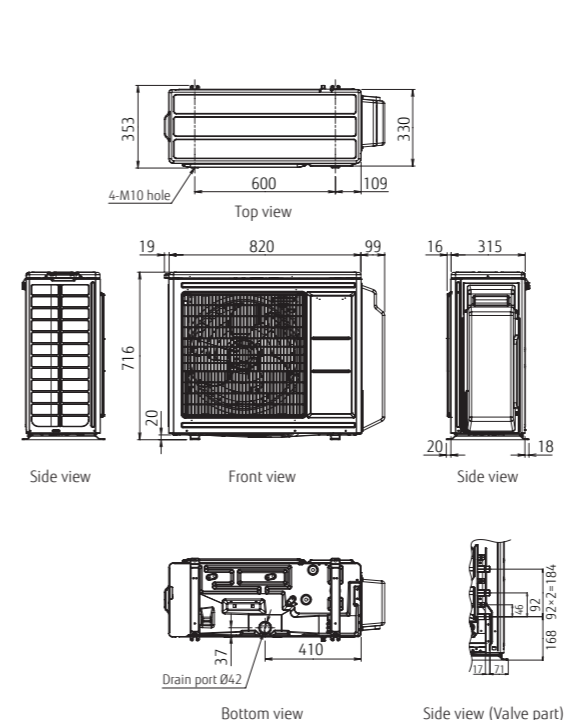
2-unit: AOHG14KBTA2



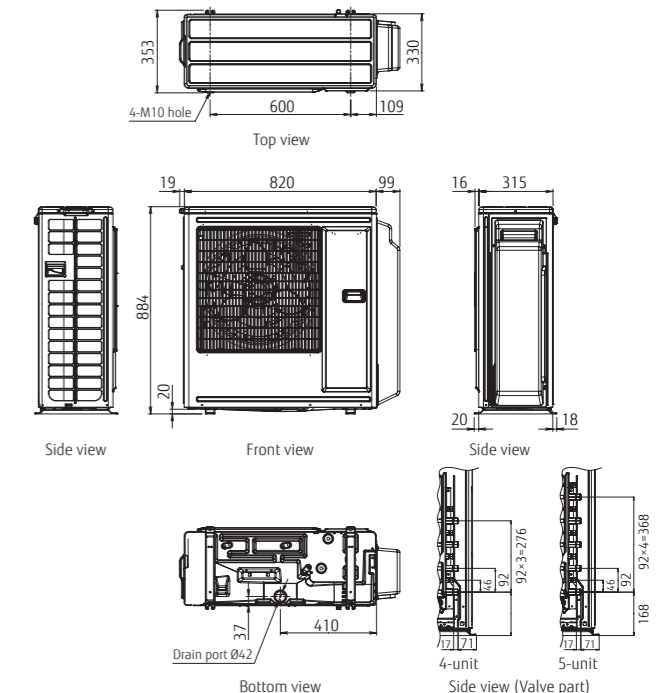
2-unit: AOHG18KBTA2



3-unit: AOHG18KBTA3/AOYG24KBTA3



4-unit: AOHG30KBTA4  
5-unit: AOHG36KBTA5



# 2-unit to 5-unit Multi-split Indoor Units Specifications

## Wall-mounted type



Model name	Indoor unit		ASHG07KGTE	ASHG09KGTE	ASHG12KGTE	ASHG14KGTE
kW Class			2.0	2.5	3.5	4.0
Power Source			Single phase, ~230 V, 50 Hz			
Sound Pressure Level	Cooling	H/M/L/Q	38/33/29/21	40/34/29/21	40/35/30/21	43/36/30/21
	Heating		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Cooling	H	54	55	56	57
	Heating		56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	650/540/430/270	700/560/430/270	700/560/430/270	770/600/450/280
	Heating		720/580/460/330	750/610/470/330	770/640/520/330	800/660/520/340
Net Dimensions			mm 270 × 834 × 215	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215
Weight			kg 10	10	10	10
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

## Wall-mounted type



Model name	Indoor unit		ASHG07KETE ASHG07KETE-B	ASHG09KETE ASHG09KETE-B	ASHG12KETE ASHG12KETE-B	ASHG14KETE ASHG14KETE-B
kW Class			2.0	2.5	3.5	4.0
Power Source			Single phase, ~230 V, 50 Hz			
Sound Pressure Level	Cooling	H/M/L/Q	38/33/29/21	40/34/29/21	40/35/30/21	43/36/30/21
	Heating		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Cooling	H	54	55	55	57
	Heating		56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	650/540/430/270	700/560/430/270	700/560/430/270	770/600/450/280
	Heating		720/580/460/330	750/610/470/330	770/640/520/330	800/660/520/340
Net Dimensions			mm 295 × 950 (wall side: 840) × 230	295 × 950 (wall side: 840) × 230	295 × 950 (wall side: 840) × 230	295 × 950 (wall side: 840) × 230
Weight			kg 11	11	11	11.5
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

## Wall-mounted type



Model name	Indoor unit		ASHG07KMCE	ASHG09KMCE	ASHG12KMCE	ASHG14KMCE
kW Class			2.0	2.5	3.5	4.0
Power Source			Single phase, ~230 V, 50 Hz			
Sound Pressure Level	Cooling	H/M/L/Q	38/33/29/21	40/34/29/21	40/35/30/21	43/36/30/21
	Heating		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Cooling	H	54	55	55	57
	Heating		56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	650/540/430/320	700/560/430/320	700/560/430/320	770/600/450/310
	Heating		720/580/460/330	750/610/470/330	780/640/520/330	820/660/520/340
Net Dimensions			mm 270 × 834 × 222	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222
Weight			kg 10	10	10	10
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

## Wall-mounted type



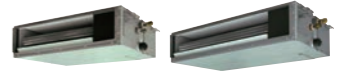
Model name	Indoor unit		ASHG18KMTE	ASHG22KMTE	ASHG24KMTE
kW Class			5.0	6.0	7.0
Power Source			Single phase, ~230 V, 50 Hz		
Sound Pressure Level	Cooling	H/M/L/Q	45/40/35/29	48/40/35/29	49/40/35/29
	Heating		46/40/35/29	48/40/35/29	49/40/35/29
Sound Power Level	Cooling	H	60	62	65
	Heating		61	62	65
Airflow Rate	Cooling	H/M/L/Q	980/810/640/510	1,060/810/640/510	1,170/850/640/510
	Heating		1,020/850/640/510	1,060/850/640/510	1,170/850/640/510
Net Dimensions			mm 280 × 980 × 240	280 × 980 × 240	280 × 980 × 240
Weight			kg 12.5	12.5	12.5
Connection Pipe Diameter	Liquid/Gas	mm	6.35/12.70	6.35/12.70	6.35/12.70

## Compact Cassette Grid Type



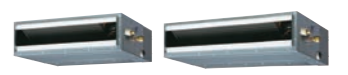
Model name	Indoor unit		AUXG07KVLA	AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA
kW Class			2.0	2.5	3.5	4.0	5.0	6.0
Power Source			Single phase, ~230 V, 50 Hz					
Sound Pressure Level	Cooling	H/M/L/Q	33/31/29/27	33/31/29/27	37/34/31/28	38/35/32/29	38/35/32/29	44/42/36/30
	Heating		34/32/29/27	34/32/29/27	37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33
Sound Power Level	Cooling	H	46	46	49	50	50	56
	Heating		47	47	49	55	55	57
Airflow Rate	Cooling	H/M/L/Q	540/490/440/390	540/490/440/390	610/530/470/410	680/580/490/410	680/580/490/410	830/740/600/450
	Heating		540/490/440/390	540/490/440/390	610/530/470/410	790/680/580/450	790/680/580/450	860/760/700/530
Net Dimensions			mm 245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
Weight			kg 15	15	15	15	15	16
Panel			UTG-UFGF-W	UTG-UFGF-W	UTG-UFGF-W	UTG-UFGF-W	UTG-UFGF-W	UTG-UFGF-W
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70

## Mini duct



Model name	Indoor unit		ARXG07KSLAP	ARXG09KSLAP	ARXG12KSLAP	ARXG14KSLAP	ARXG18KSLAP
kW Class			2.0	2.5	3.5	4.0	5.0
Power Source			Single phase, ~230 V, 50 Hz				
Sound Pressure Level	Cooling	H/M/L/Q	29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
	Heating		29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
Sound Power Level	Cooling	H	52	54	55	60	58
	Heating		53	56	57	62	59
Airflow Rate	Cooling	H/M/L/Q	550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360	940/750/540/480
	Heating		550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360	940/750/540/480
Net Dimensions			mm 198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 900 × 450
Weight			kg 15.5	15.5	15.5	15.5	18.5
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
External static pressure			Pa 0 to 30	0 to 30	0 to 30	0 to 50	0 to 50
Drain pump			Standard	Standard	Standard	Standard	Standard

## Slim duct



Model name	Indoor unit		ARXG07KLLAP	ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
kW Class			2.0	2.5	3.5	4.0	5.0
Power Source			Single phase, ~230 V, 50 Hz				
Sound Pressure Level	Cooling	H/M/L/Q	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26	32/30/29/27
	Heating		28/26/25/24	28/26/25/24	29/28/27/24	32/30/28/25	32/30/29/27
Sound Power Level	Cooling	H	57	57	58	60	58
	Heating		57	57	58	60	58
Airflow Rate	Cooling	H/M/L/Q	550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750
	Heating		550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750
Net Dimensions			mm 198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620
Weight			kg 16	17	17	17	20
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
External static pressure			Pa 0 to 90	0 to 90	0 to 90	0 to 90	0 to 90
Drain pump			Standard	Standard	Standard	Standard	Standard

## Medium Static Pressure Duct



Model name	Indoor unit		ARXG22KMLB
kW Class			6.0
Power Source			Single phase, ~230 V, 50 Hz
Sound Pressure Level	Cooling	H/M/L/Q	31/29/27/25
	Heating		31/29/27/25
Sound Power Level	Cooling	H	60
	Heating		62
Airflow Rate	Cooling	H/M/L/Q	1,100/910/750/580
	Heating		1,100/910/750/580
Net Dimensions			mm 270 × 1,135 × 700
Weight			kg 35
Connection Pipe Diameter	Liquid/Gas	mm	6.35/12.70
External static pressure			Pa 30 to 150
Drain pump			Option



# 2-unit Multi-split Combination Table-Cooling/Heating

## 2-unit Multi-split cooling

AOHG14KBTAZ	Combination of Indoor Units		Cooling Operation				Seasonal Data			
			Cooling Capacity			Input Power (Min. - Max.) kW	EER	Pdesign kW	SEER	Energy efficiency class
			Unit 1 kW	Unit 2 kW	Total Capacity (Min. - Max.) kW					
2-unit connection	7	7	2.00	2.00	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++
	7	9	1.75	2.25	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++
	7	12	1.47	2.53	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++
	9	9	2.00	2.00	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++
	9	12	1.71	2.29	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++

Notes: \*7: 7000 Btu/h/9: 9000 Btu/h/12: 12000 Btu/h models  
 •The above specifications apply when connected with a wall-mounted [KG] unit.  
 •2 or more indoor units should be connected.  
 •Cooling capacity is determined based on 27°CDB/19°CWB (indoor temperature) and 35°CDB (outdoor temperature).  
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)  
 •Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.

AOHG18KBTAZ	Combination of Indoor Units		Cooling Operation				Seasonal Data			
			Cooling Capacity			Input Power (Min. - Max.) kW	EER	Pdesign kW	SEER	Energy efficiency class
			Unit 1 kW	Unit 2 kW	Total Capacity (Min. - Max.) kW					
2-unit connection	7	7	2.00	2.00	4.00 (1.7-5.0)	0.92 (0.25-1.23)	4.35	4.0	8.8	A+++
	7	9	2.00	2.50	4.50 (1.7-5.7)	1.07 (0.25-1.45)	4.22	4.5	8.7	A+++
	7	12	1.84	3.16	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	7	14	1.67	3.33	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	9	9	2.50	2.50	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	9	12	2.14	2.86	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	9	14	1.96	3.04	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	12	12	2.50	2.50	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	12	14	2.31	2.69	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++

Notes: \*7: 7000 Btu/h/9:9000 Btu/h/12: 12000 Btu/h/14: 14000 Btu/h models  
 •The above specifications apply when connected with a wall-mounted [KG] unit.  
 •2 or more indoor units should be connected.  
 •Cooling capacity is determined based on 27°CDB/19°CWB (indoor temperature) and 35°CDB (outdoor temperature).  
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)  
 •Total capacity of indoor units connected must be between 4.0 kW and 7.5 kW.

## 2-unit Multi-split heating

AOHG14KBTAZ	Combination of Indoor Units		Heating Operation				Seasonal Data			
			Heating Capacity			Input Power (Min. - Max.) kW	COP	Pdesign kW	SEER	Energy efficiency class
			Unit 1 kW	Unit 2 kW	Total Capacity (Min. - Max.) kW					
2-unit connection	7	7	2.20	2.20	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++
	7	9	1.92	2.48	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++
	7	12	1.62	2.78	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++
	9	9	2.20	2.20	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++
	9	12	1.89	2.51	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++

Notes: \*7: 7000 Btu/h/9: 9000 Btu/h/12: 12000 Btu/h models  
 •The above specifications apply when connected with a wall-mounted [KG] unit.  
 •2 or more indoor units should be connected.  
 •Heating capacity is determined based on 20°CDB (indoor temperature) and 7°CDB/6°CWB (outdoor temperature).  
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)  
 •Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.

AOHG18KBTAZ	Combination of Indoor Units		Heating Operation				Seasonal Data			
			Heating Capacity			Input Power (Min. - Max.) kW	COP	Pdesign kW	SEER	Energy efficiency class
			Unit 1 kW	Unit 2 kW	Total Capacity (Min. - Max.) kW					
2-unit connection	7	7	2.40	2.40	4.80 (1.7-5.6)	0.99 (0.25-1.35)	4.85	3.8	4.7	A++
	7	9	2.40	3.00	5.40 (1.7-6.4)	1.15 (0.25-1.60)	4.70	4.0	4.7	A++
	7	12	2.06	3.54	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	7	14	1.87	3.73	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	9	9	2.80	2.80	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	9	12	2.40	3.20	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	9	14	2.19	3.41	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	12	12	2.80	2.80	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	12	14	2.58	3.02	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++

Notes: \*7: 7000 Btu/h/9:9000 Btu/h/12: 12000 Btu/h/14: 14000 Btu/h models  
 •The above specifications apply when connected with a wall-mounted [KG] unit.  
 •2 or more indoor units should be connected.  
 •Heating capacity is determined based on 20°CDB (indoor temperature) and 7°CDB/6°CWB (outdoor temperature).  
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)  
 •Total capacity of indoor units connected must be between 4.0 kW and 7.5 kW.

# 3-unit Multi-split Combination Table-Cooling/Heating

## 3-unit Multi-split cooling

AOHG18KBTA3	Combination of Indoor Units			Cooling Operation					Seasonal Data				
				Cooling Capacity			Input Power (Min. - Max.) kW	EER	Pdesign kW	SEER	Energy efficiency		
				Unit 1 kW	Unit 2 kW	Unit 3 kW						Total Capacity (Min. - Max.) kW	
2-unit connection	7	7	-	2.00	2.00	-	4.00 (1.8-5.0)	0.86 (0.35-1.35)	4.65	4.0	8.3	A++	
	7	9	-	2.00	2.50	-	4.50 (1.8-5.7)	1.03 (0.35-1.50)	4.36	4.5	8.2	A++	
	7	12	-	1.99	3.41	-	5.40 (1.8-6.8)	1.41 (0.35-1.81)	3.83	5.4	8.0	A++	
	7	14	-	1.80	3.60	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++	
	9	9	-	2.50	2.50	-	5.00 (1.8-6.4)	1.23 (0.35-1.70)	4.06	5.0	8.1	A++	
	9	12	-	2.31	3.09	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++	
	9	14	-	2.11	3.29	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++	
	12	12	-	2.70	2.70	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++	
	12	14	-	2.49	2.91	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++	
	14	14	-	2.70	2.70	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++	
	3-unit connection	7	7	7	1.80	1.80	1.80	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
		7	7	9	1.64	1.64	2.12	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
		7	7	12	1.45	1.45	2.50	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
		7	7	14	1.35	1.35	2.70	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
7		9	9	1.52	1.94	1.94	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++	
7		9	12	1.35	1.74	2.31	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++	
7		9	14	1.26	1.62	2.52	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++	
9		9	9	1.80	1.80	1.80	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++	
9		9	12	1.62	1.62	2.16	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++	

AOHG24KBTA3	Combination of Indoor Units			Cooling Operation					Seasonal Data				
				Cooling Capacity			Input Power (Min. - Max.) kW	EER	Pdesign kW	SEER	Energy efficiency		
				Unit 1 kW	Unit 2 kW	Unit 3 kW						Total Capacity (Min. - Max.) kW	
2-unit connection	7	7	-	2.00	2.00	-	4.00 (1.8-5.0)	0.86 (0.35-1.35)	4.65	4.0	8.3	A++	
	7	9	-	2.00	2.50	-	4.50 (1.8-5.7)	1.03 (0.35-1.54)	4.36	4.5	8.2	A++	
	7	12	-	2.00	3.50	-	5.50 (1.8-6.8)	1.46 (0.35-1.85)	3.77	5.5	8.0	A++	
	7	14	-	2.00	4.00	-	6.00 (1.8-7.5)	1.73 (0.35-2.20)	3.48	6.0	7.6	A++	
	7	18	-	1.90	4.90	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++	
	9	9	-	2.50	2.50	-	5.00 (1.8-6.4)	1.23 (0.35-1.74)	4.06	5.0	8.1	A++	
	9	12	-	2.50	3.50	-	6.00 (1.8-7.5)	1.73 (0.35-2.20)	3.48	6.0	7.6	A++	
	9	14	-	2.50	4.00	-	6.50 (1.8-8.2)	2.04 (0.35-2.46)	3.19	6.5	7.2	A++	
	9	18	-	2.27	4.53	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++	
	12	12	-	3.40	3.40	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++	
	12	14	-	3.14	3.66	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++	
	12	18	-	2.72	4.08	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++	
	14	14	-	3.40	3.40	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++	
	14	18	-	2.98	3.82	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++	
	3-unit connection	7	7	7	2.00	2.00	2.00	6.00 (1.8-7.5)	1.37 (0.35-2.20)	4.37	6.0	8.6	A+++
		7	7	9	2.00	2.00	2.50	6.50 (1.8-8.2)	1.59 (0.35-2.46)	4.08	6.5	8.5	A+++
		7	7	12	1.83	1.83	3.14	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
		7	7	14	1.70	1.70	3.40	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
7		7	18	1.49	1.49	3.82	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
7		9	9	1.90	2.45	2.45	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
7		9	12	1.70	2.19	2.91	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
7		9	14	1.59	2.04	3.17	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
7		9	18	1.40	1.80	3.60	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
7		12	12	1.54	2.63	2.63	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
7		12	14	1.44	2.47	2.89	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
7		14	14	1.36	2.72	2.72	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
9		9	9	2.27	2.27	2.27	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
9		9	12	2.04	2.04	2.72	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
9		9	14	1.91	1.91	2.98	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
9		9	18	1.70	1.70	3.40	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
9		12	12	1.86	2.47	2.47	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
9		12	14	1.75	2.33	2.72	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++	
12	12	12	2.27	2.27	2.27	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++		

Notes: •7: 7000 Btu/h/9: 9000 Btu/h/12: 12000 Btu/h/14: 14000 Btu/h/18: 18000 Btu/h models  
 •The above specifications apply when connected with a wall-mounted unit.  
 •2 or more indoor units should be connected.  
 •Cooling capacity is determined based on 27°CDB/19°CWB (indoor temperature) and 35°CDB (outdoor temperature).  
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)  
 •Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.

## 3-unit Multi-split heating

AOHG18KBTA3	Combination of Indoor Units			Heating Operation					Seasonal Data				
				Heating Capacity			Input Power (Min. - Max.) kW	COP	Pdesign kW	SEER	Energy efficiency		
				Unit 1 kW	Unit 2 kW	Unit 3 kW						Total Capacity (Min. - Max.) kW	
2-unit connection	7	7	-	2.40	2.40	-	4.80 (2.0-5.6)	1.00 (0.25-1.30)	4.80	4.0	4.2	A+	
	7	9	-	2.40	3.00	-	5.40 (2.0-6.4)	1.21 (0.25-1.48)	4.45	4.0	4.2	A+	
	7	12	-	2.40	4.20	-	6.60 (2.0-7.6)	1.66 (0.25-1.76)	3.98	5.0	4.0	A+	
	7	14	-	2.27	4.53	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+	
	9	9	-	3.00	3.00	-	6.00 (2.0-7.2)	1.44 (0.25-1.67)	4.17	4.5	4.1	A+	
	9	12	-	2.91	3.89	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+	
	9	14	-	2.66	4.14	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+	
	12	12	-	3.40	3.40	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+	
	12	14	-	3.14	3.66	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+	
	14	14	-	3.40	3.40	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+	
	3-unit connection	7	7	7	2.27	2.27	2.27	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
		7	7	9	2.07	2.07	2.66	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
		7	7	12	1.83	1.83	3.14	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
		7	7	14	1.70	1.70	3.40	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
7		9	9	1.90	2.45	2.45	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++	
7		9	12	1.70	2.19	2.91	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++	
7		9	14	1.59	2.04	3.17	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++	
9		9	9	2.27	2.27	2.27	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++	
9		9	12	2.04	2.04	2.72	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++	

AOHG24KBTA3	Combination of Indoor Units			Heating Operation					Seasonal Data				
				Heating Capacity			Input Power (Min. - Max.) kW	COP	Pdesign kW	SEER	Energy efficiency		
				Unit 1 kW	Unit 2 kW	Unit 3 kW						Total Capacity (Min. - Max.) kW	
2-unit connection	7	7	-	2.40	2.40	-	4.80 (2.0-5.6)	1.00 (0.25-1.30)	4.80	4.0	4.2	A+	
	7	9	-	2.40	3.00	-	5.40 (2.0-6.4)	1.21 (0.25-1.48)	4.45	4.0	4.2	A+	
	7	12	-	2.40	4.20	-	6.60 (2.0-7.6)	1.66 (0.25-1.76)	3.98	5.0	4.0	A+	
	7	14	-	2.40	4.80	-	7.20 (2.0-8.4)	1.86 (0.25-2.07)	3.87	5.4	4.0	A+	
	7	18	-	2.16	5.54	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+	
	9	9	-	3.00	3.00	-	6.00 (2.0-7.2)	1.44 (0.25-1.67)	4.17	4.5	4.1	A+	
	9	12	-	3.00	4.20	-	7.20 (2.0-8.4)	1.86 (0.25-2.07)	3.87	5.4	4.0	A+	
	9	14	-	2.96	4.74	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+	
	9	18	-	2.57	5.13	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+	
	12	12	-	3.85	3.85	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+	
	12	14	-	3.55	4.15	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+	
	12	18	-	3.08	4.62	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+	
	14	14	-	3.85	3.85	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+	
	14	18	-	3.37	4.33	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+	
	3-unit connection	7	7	7	2.40	2.40	2.40	7.20 (2.0-8.4)	1.61 (0.25-2.07)	4.48	5.4	4.6	A++
		7	7	9	2.40	2.40	3.00	7.80 (2.0-9.2)	1.76 (0.25-2.35)	4.42	5.8	4.6	A++
		7	7	12	2.15	2.15	3.70	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
		7	7	14	2.00	2.00	4.00	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
7		7	18	1.75	1.75	4.50	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++	
7		9	9	2.24	2.88	2.88	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++	
7		9	12	2.00	2.57	3.43	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++	
7		9	14	1.87	2.40	3.73	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++	
7		9	18	1.65	2.12	4.23	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++	
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# 5-unit Multi-split Combination Table-Heating

## 5-unit Multi-split heating

AOHG36K8TA5	Combination of Indoor Units					Heating Operation						Seasonal Data					
						Heating Capacity					Input Power (Min. - Max.)	COP	Pdesign kW	SCOP	Energy efficiency		
						Unit 1	Unit 2	Unit 3	Unit 4	Unit 5						Total Capacity (Min. - Max.)	
2-unit connection	7	24	-	-	-	2.39	8.21	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	9	22	-	-	-	3.00	7.20	-	-	-	10.20 (3.5-12.0)	2.52 (0.25-3.25)	4.04	6.8	4.3	A+	
	9	24	-	-	-	2.89	7.71	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	12	22	-	-	-	3.74	6.86	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	12	24	-	-	-	3.53	7.07	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	14	24	-	-	-	4.12	3.68	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	14	24	-	-	-	3.91	6.69	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	18	18	-	-	-	5.30	5.30	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	18	22	-	-	-	4.77	5.83	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	18	24	-	-	-	4.54	6.06	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	22	22	-	-	-	5.30	5.30	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	22	24	-	-	-	5.07	5.53	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	24	24	-	-	-	5.30	5.30	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+	
	3-unit connection	7	7	14	-	-	2.40	2.40	4.80	-	-	9.60 (3.5-11.2)	2.25 (0.25-2.87)	4.26	6.5	4.5	A+
		7	7	18	-	-	2.32	2.32	5.96	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
		7	7	22	-	-	2.06	2.06	6.48	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
		7	7	24	-	-	1.95	1.95	6.70	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
		7	9	12	-	-	2.40	3.00	4.20	-	-	9.60 (3.5-11.2)	2.25 (0.25-2.87)	4.26	6.5	4.5	A+
		7	9	14	-	-	2.40	3.00	4.80	-	-	10.20 (3.5-12.0)	2.42 (0.25-3.25)	4.21	6.8	4.4	A+
		7	9	18	-	-	2.18	2.81	5.61	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
		7	9	22	-	-	1.95	2.51	6.14	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
		7	9	24	-	-	1.85	2.39	6.36	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
		7	12	12	-	-	1.72	4.44	4.44	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
		7	12	14	-	-	2.25	3.85	4.50	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
7		12	18	-	-	2.00	3.44	5.16	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		12	22	-	-	1.81	3.10	5.69	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		12	24	-	-	1.72	2.96	5.92	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		14	14	-	-	2.12	4.24	4.24	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		14	18	-	-	1.90	3.81	4.89	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		14	22	-	-	1.73	3.45	5.42	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		14	24	-	-	1.65	3.30	5.65	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		18	18	-	-	1.72	4.44	4.44	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		18	22	-	-	1.58	4.06	4.96	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
7		18	24	-	-	1.51	3.89	5.20	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
9		9	9	-	-	3.00	3.00	3.00	-	-	9.00 (3.5-10.8)	2.09 (0.25-2.70)	4.31	6.0	4.5	A+	
9		9	12	-	-	3.00	3.00	4.20	-	-	10.20 (3.5-12.0)	2.42 (0.25-3.25)	4.21	6.8	4.4	A+	
9		9	14	-	-	2.98	2.98	4.64	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+	
9	9	18	-	-	2.65	2.65	5.30	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	9	22	-	-	2.39	2.39	5.82	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	9	24	-	-	2.27	2.27	6.06	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	12	12	-	-	2.80	3.85	4.85	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	12	14	-	-	2.73	3.63	4.24	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	12	18	-	-	2.45	3.26	4.89	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	12	22	-	-	2.22	2.96	5.42	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	12	24	-	-	2.12	2.83	5.65	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	14	14	-	-	2.58	4.01	4.01	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	14	18	-	-	2.33	3.62	4.65	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	14	22	-	-	2.12	3.30	5.18	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	14	24	-	-	2.03	3.16	5.41	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	18	18	-	-	2.12	4.24	4.24	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	18	22	-	-	1.95	3.89	4.76	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
9	18	24	-	-	1.87	3.74	4.99	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	12	12	-	-	3.53	3.53	3.53	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	12	14	-	-	3.35	3.35	3.90	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	12	18	-	-	3.03	3.03	4.54	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	12	22	-	-	2.77	2.77	5.06	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	12	24	-	-	2.65	2.65	5.30	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	14	14	-	-	3.18	3.71	3.71	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	14	18	-	-	2.89	3.37	4.34	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	14	22	-	-	2.65	3.09	4.86	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	14	24	-	-	2.54	2.97	5.09	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	18	18	-	-	2.64	3.98	3.98	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	18	22	-	-	2.45	3.67	4.48	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
12	18	24	-	-	2.36	3.53	4.71	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
14	14	14	-	-	3.53	3.53	3.53	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
14	14	18	-	-	3.23	3.23	4.14	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
14	14	22	-	-	2.97	2.97	4.66	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
14	14	24	-	-	2.89	2.85	4.90	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
14	18	18	-	-	2.96	3.82	3.82	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
18	18	18	-	-	3.53	3.53	3.53	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+		
4-unit connection	7	7	7	7	-	2.40	2.40	2.40	2.40	-	9.60 (3.5-11.2)	2.17 (0.25-2.87)	4.42	6.5	4.6	A++	
	7	7	7	9	-	2.40	2.40	2.40	3.00	-	10.20 (3.5-12.0)	2.33 (0.25-3.25)	4.37	6.8	4.5	A+	
	7	7	7	12	-	2.25	2.25	2.25	3.85	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+	
	7	7	7	14	-	2.12	2.12	2.12	4.24	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+	
	7	7	7	18	-	1.90	1.90	1.90	4.90	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+	
	7	7	7	22	-	1.73	1.73	1.73	5.41	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+	
	7	7	7	24	-	1.65	1.65	1.65	5.65	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+	
	7	7	9	9	-	2.32	2.32	2.98	2.98	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+	
	7	7	9	12	-	2.12	2.12	2.73	3.63	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+	
	7	7	9	14	-	2.01	2.01	2.57	4								

# Feature Summary

Type	Wall-mounted type				Cassette	Duct		
Series	Designer Series		Standard Series		Compact 4-way Flow Grid type Series	Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure
Model name								
	ASHG07/09/12/14KGTE	ASHG07/09/12/14KETE ASHG07/09/12/14KETE-B	ASHG07/09/12/14KMCE	ASHG18/22/24KMTE	AUXG 07/09/12/14/18/22 KVLA	ARXG 07/09/12/14/18 KSLAP	ARXG 07/09/12/14/18 KLLAP	ARXG22KMLB
Energy-saving Features	Save human sensor	●						
	Economy operation	●	●	●	●	●	●	●
	Room temperature set point limitation	○	○	○	○	●	○	○
	Set temperature auto return	○	○	○	○	●	●	●
Features for Comfort	Power diffuser							
	Powerful operation	●	●	●	●			
	10°C heat operation	●	●	●	●	○	○	○
	Outdoor unit low noise operation	●	●	●	●			
	Auto changeover	●	●	●	●	●	●	●
	UP/DOWN swing louver	●	●	●	●	○	○	
	Double swing automatic				●			
	Automatic fan speed	●	●	●	●	●	●	●
	Auto restart	●	●	●	●	●	●	●
	Connectable fresh air duct							●
	Fresh air intake					○	○	○
	Connectable distributing duct							●
Convenience Features	Auto-off timer	○	○	○	○	●	●	●
	Sleep timer	●	●	●	●	○	○	○
	Program timer	●	●	●	●	○	○	○
	Weekly timer	●	●	○	●	●	●	●
	Weekly & Temperature setback timer	○	○	○	○		●	●
	Filter sign	●	●	●	●	●	●	●
	External error output	○	○	○	○	○	○	
	External ON/OFF input	○	○	○	○	●	●	●
Clean Features	Wireless LAN control	○	○	○	○	○	○	○
	Ion deodorization filter	●	●	●	●			
	Apple-catechin filter	●	●	●	●			
	Long-life filter							○
	Washable panel	●	●	●	●			
Installation/Support	Silver ion filter II (PM2.5+Anti virus)	○	○	○	○			
	Drain pump as standard					●	●	○
	Refrigerant cycle monitor							

○ : 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.

- C-002 Individual Control
- C-008 Control System List
- C-012 Optional Parts
- C-014 Optional Parts List
- C-018 Quick service & maintenance
- C-022 Optional Parts Lineup

# Wired remote controller (with touch panel)

UTY-RNRGZ5



## Easy operation due to large high-resolution STN-LCD touch panel screen

- Touch screen LCD
- Built-in daily/weekly timer (ON/OFF, temperature, modes)
- Backlit screen for easy operation in the dark.
- Room temperature display
- Controls up to 16 indoor units
- Supports 12 languages: Chinese, Dutch, English, French, German, Greek, Italian, Polish, Portuguese, Russian, Spanish, and Turkish
- nonpolar 2-core type

Up to 16 indoor units

Up to 1 group

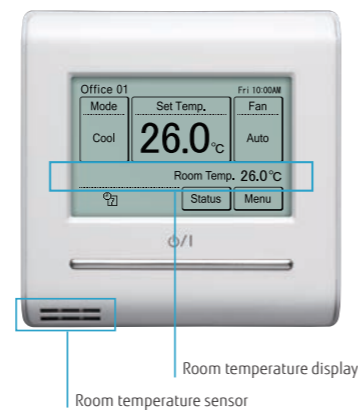
## High performance and compact size

A single remote controller controls each connected indoor unit and provides a weekly timer function and a variety of energy-saving options.



## Accurate control for comfort

A thermo sensor built into the remote controller monitors room temperature accurately.



## Energy saving controls

### Custom Auto

- Maintains 2 separate setpoints for heating and cooling operations.
- Automatically switches between heating and cooling modes.

\* Not available for some models

### Auto-off timer

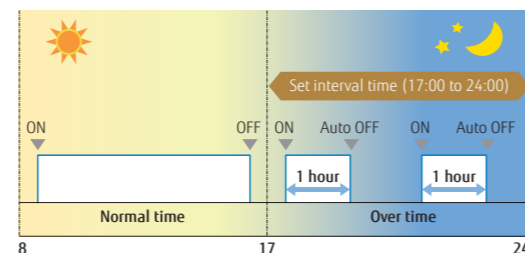
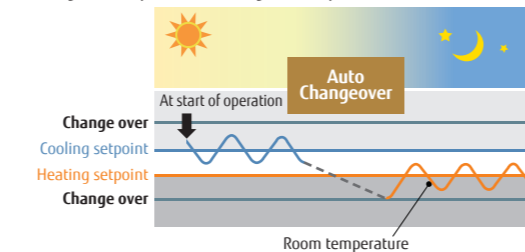
- While the Auto-timer is activated, if the set off time is specified as, for example, one hour, the power will automatically turn off one hour after the start of operation.
- A desired time frame can be specified for the Auto-off timer.
- The off-time can be set from 30 to 240 minutes.

### 2-setting weekly timer

### Set temperature auto return

### Setting temperature range limitation

Cooling set temp. 27°C, Heating set temp. 26°C



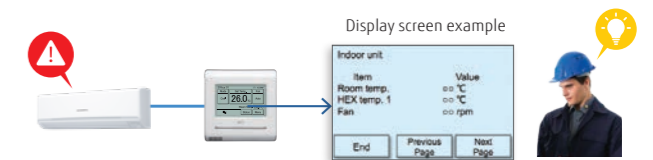
e.g.) Between 17:00 and 24:00 (over time hours), when the 1 hour set off time has elapsed, the system will automatically turn off the indoor unit as it

## Features: Wired Remote Controller (Touch Panel)

## Refrigerant cycle monitor

Wired Remote Controller (Touch Panel) will support to display some sensor values for maintenance and service support.

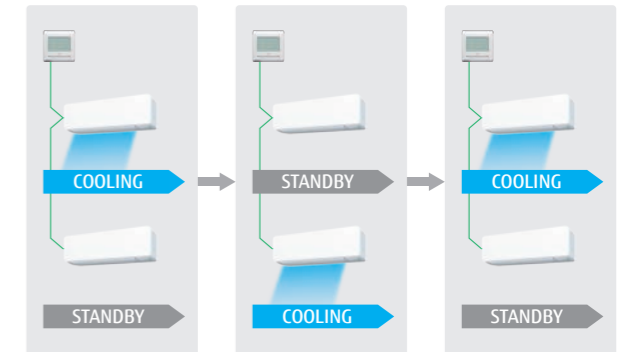
\* This function is only supported by split units, using the H-Serial communication protocol! Example: ASHH30KMTB



## Multi System Control\*1

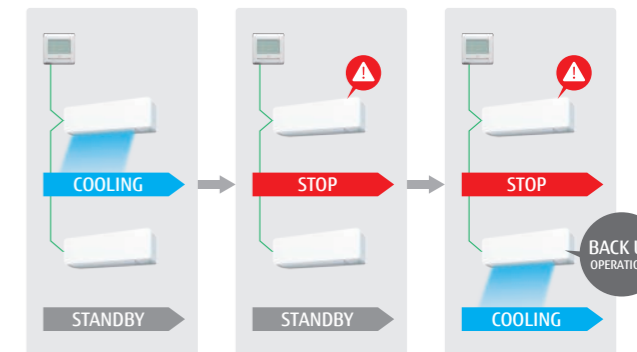
### 1) Lead Lag Operation

Standby Indoor Unit can be selected in lead lag operation. By this, the Indoor units will last longer than operating by nonstop.



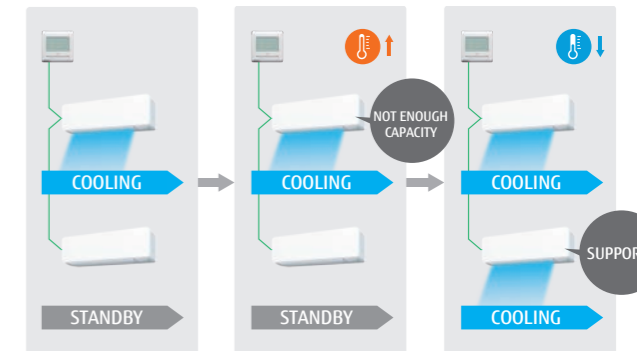
### 2) Back up operation

In case of unexpected Indoor unit error, other Indoor units will start providing back up operation.



### 3) Lag Operation

In case of unexpected room temperature rise, other Indoor Units will start providing lag operation.



\*1: "Lead Lag Setting" is an easy-to-use function for room temperature control when using multiple indoor units, while reducing the burden placed on each indoor unit.

If you wish to make use of this function, ensure you use indoor units equipped with a "Special Cooling" function. If you use indoor units that do not have a "Special Cooling" function, under certain conditions, there is a chance that "Backup operation" may not operate correctly, and the "Lead Lag Setting" function will not give the expected results. Additionally, for rooms that require strict conditions, such as server rooms, please consider other appropriate measures. Please note that we will not provide compensation for any damages suffered to your appliances or data as a result of using this function. For more details, please confirm with your nearest retail store.

## Specifications

Model name	UTY-RNRGZ5
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

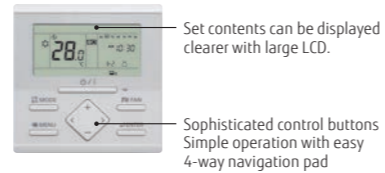
## High performance and compact size

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



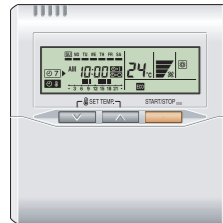
## High visibility and easy operation

- "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



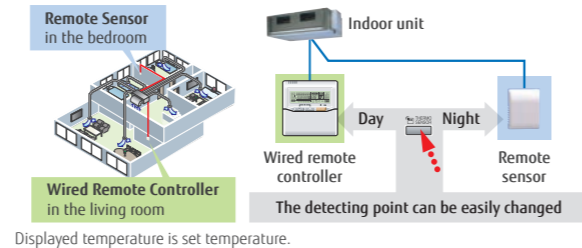
- Simple operation with Built-in Weekly / Daily Timer.
- Control up to 16 indoor units.
- Up to 2 wired remote controllers can be connected to a single indoor unit.

Maximum Controllable  
**16** indoor units  
Maximum Controllable  
**1** Group

## 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

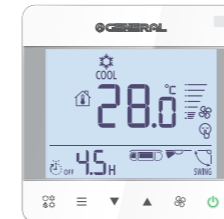
### Specifications

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

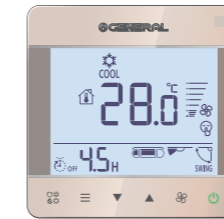
DC 12 V is supplied by the indoor unit.

# Compact Wired Remote Controller

UTY-RCRGZ1 / UTY-RCRGZ1K



UTY-RCRGZ1



UTY-RCRGZ1K

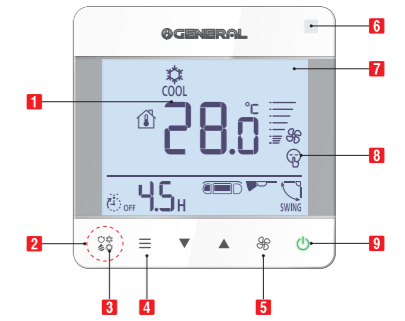
Maximum Controllable  
**1** single indoor unit  
Maximum Controllable  
**1** Group

- 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

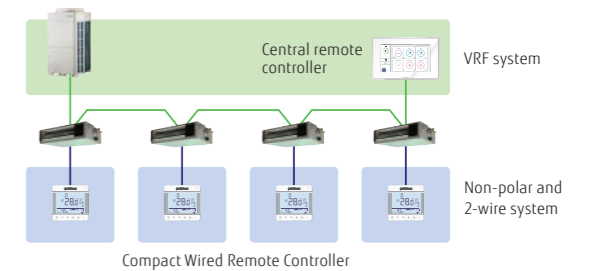
- 1 Visible large letter
- 2 Touch key (Frequently-used operation is placed on the direct button)
- 3 Operation mode
- 4 Menu
- 5 Air flow
- 6 Built in IR reciever
- 7 LCD with backlight is clearly visible in the dark
- 8 Easy-to-understand pictograph display
- 9 LED is mounted for the ON/OFF key (Green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



## System overview

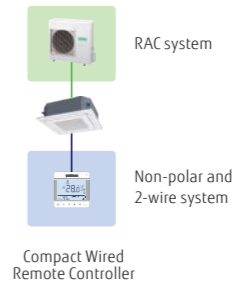
### VRF connection

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.



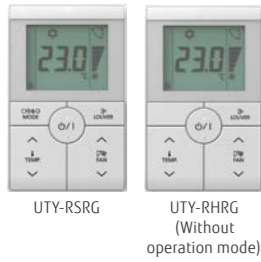
### Specifications

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)



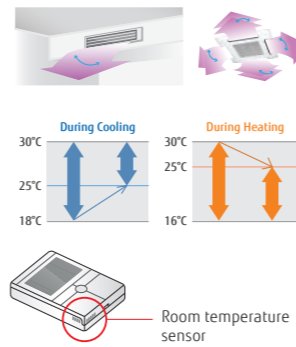
### Compact remote controller provides access to basic functions

- 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



### 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-RVNGM



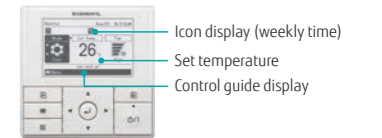
Maximum Controllable  
**16** indoor units  
Maximum Controllable  
**1** Group

### 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.



### High performance and compact size

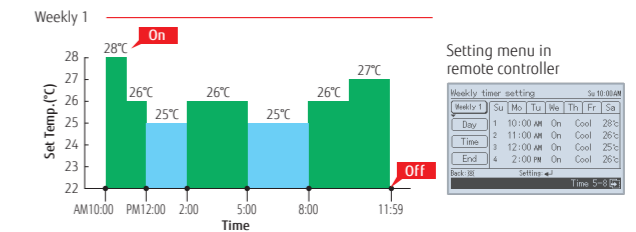
- In addition to the individual control, various energy saving controls can be realized using only one remote controller.



### Various energy saving control

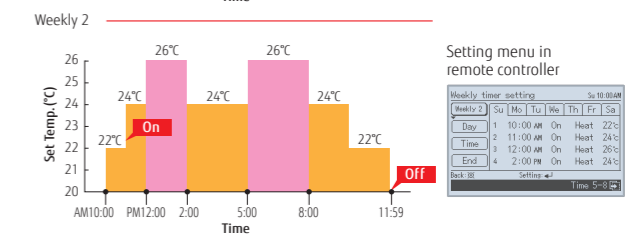
#### Weekly Timer function

- 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.

# Split Control System List-INVERTER

Country	★ for Vietnam		Common models					Common models					Common models		
Type	Wall Mounted		Wall Mounted					Compact Cassette	Circular Flow Cassette	Ceiling	Slim Duct	Medium Static Pressure Duct	High Static Pressure Duct		Big Duct
Model No.	ASGH09/12CPTB-V	ASGG 09/12/18/24 CPTA-V	ASGG09LLTB-V ASGG12LLTA-V	ASGG 18/24/30/36 CETA-B	ASHH09/12KLTA	ASGH18/24KMTA-R	ASGG18/24KJTA-B	AUXG18KVLA AUXG24KVLA	AUXG 18/24/30/36/45/54 KRLB	ABHG 18/24/30/36/45/54 KRTA	ARXG18KLLAP	ARXG 24/30/36/45 KMLA	ARXG45/54KHTB	ARHG60LHTA	ARHG72/90LHTA
Wired Remote Controller				● UTY-RNRGZ5+ UTY-TWRXZ2		● UTY-RNRGZ5	● UTY-RNRGZ5+ UTY-TWRXZ2	● UTY-RNRGZ5	● UTY-RNRGZ5	● UTY-RNRGZ5	● UTY-RNRGZ5	● UTY-RNRGZ5	● UTY-RNRGZ5	● UTY-RNRGZ5	● UTY-RNRGZ5
				● UTY-RLRG+ UTY-TWRXZ2		● UTY-RLRG	● UTY-RLRG+ UTY-TWRXZ2	● UTY-RLRG	● UTY-RLRG	● UTY-RLRG	● UTY-RLRG	● UTY-RLRG	● UTY-RLRG		● UTY-RLRG
								● UTY-RVNGM	● UTY-RVNGM		● UTY-RVNGM	● UTY-RVNGM		● UTY-RVNGM	● UTY-RVNGM
								● UTY-RNNGM	● UTY-RNNGM		● UTY-RNNGM	● UTY-RNNGM		● UTY-RNNGM	● UTY-RNNGM
Compact Wired Remote Controller							● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K		● UTY-RCRGZ1 UTY-RCRGZ1K
Simple Remote Controller				● UTY-RSRG, UTY-RHRG+ UTY-TWRXZ2		● UTY-RSRG UTY-RHRG	● UTY-RSRG, UTY-RHRG+ UTY-TWRXZ2	● UTY-RSRG UTY-RHRG UTY-RSNGM	● UTY-RSRG UTY-RHRG UTY-RSNGM	● UTY-RSRG UTY-RHRG	● UTY-RSRG UTY-RHRG UTY-RSNGM	● UTY-RSRG UTY-RHRG UTY-RSNGM	● UTY-RSRG UTY-RHRG	● UTY-RSNGM	● UTY-RSRG UTY-RHRG UTY-RSNGM
Wireless remote controller								● UTY-LNTG							
IR Receiver Kit									● UTY-LBTGC						
											● UTY-LBTGM	● UTY-LBTGM	● UTY-LBTGM	● UTY-LRHGM	● UTY-LBTGM UTY-LRHGM
											● UTY-LBTGH				
Interface	MODBUS™ Convertor						● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX		● UTY-VMSX
	KNX® Convertor						● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX		● UTY-VKSX
	Wireless LAN Adapter						● UTY-TFSXF3	● UTY-TFSXF3	● UTY-TFSXF3	● UTY-TFSXF3					● UTY-TFSXZ2
	External switch controller							● UTY-TERX			● UTY-TERX	● UTY-TERX	● UTY-TERX	● UTY-TERX	● 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 UTY-VTGXV	● UTY-VTGX UTY-VTGXV

# Multi-Split Control System List-INVERTER

		Indoor Units for 2-unit, 3-unit, 4-unit, 5-unit Multi-split				Indoor Units for 2-unit, 3-unit, 4-unit, 5-unit Multi-split				
Type		Wall Mounted				Cassette				
Series		Designer Series		Standard Series		Compact 4-way Flow Grid type Series		Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure
Model No.		ASHG07/09/12/14KGTE	ASHG07/09/12/14KETE ASHG07/09/12/14KETE-B	ASHG07/09/12/14KMCE	ASHG18/22/24KMTE	AUXG 07/09/12/14/18/22 KVLA		ARXG 07/09/12/14/18 KSLAP	ARXG 07/09/12/14/18 KLLAP	ARXG22KMLB
Controllers	Wired Remote Controller		● UTY-RNRGZ5+UTY-TWRXZ2	● UTY-RNRGZ5+UTY-TWRXZ2	● UTY-RNRGZ5+UTY-TWRXZ2	● UTY-RNRGZ5+UTY-TWRXZ2	● UTY-RNRGZ5	● UTY-RNRGZ5	● UTY-RNRGZ5	● UTY-RNRGZ5
			● UTY-RLRG+UTY-TWRXZ2	● UTY-RLRG+UTY-TWRXZ2	● UTY-RLRG+UTY-TWRXZ2	● UTY-RLRG+UTY-TWRXZ2	● UTY-RLRG	● UTY-RLRG	● UTY-RLRG	● UTY-RLRG
							● UTY-RVNGM	● UTY-RVNGM	● UTY-RVNGM	● UTY-RVNGM
							● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM	● UTY-RNNGM
	Compact Wired Remote Controller		● UTY-RCRGZ1+UTY-TWRXZ2 UTY-RCRGZ1K+UTY-TWRXZ2	● UTY-RCRGZ1+UTY-TWRXZ2 UTY-RCRGZ1K+UTY-TWRXZ2	● UTY-RCRGZ1+UTY-TWRXZ2 UTY-RCRGZ1K+UTY-TWRXZ2	● UTY-RCRGZ1+UTY-TWRXZ2 UTY-RCRGZ1K+UTY-TWRXZ2	● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K	● UTY-RCRGZ1 UTY-RCRGZ1K
	Simple Remote Controller	 2-wire type 3-wire type	● UTY-RSRG+UTY-TWRXZ2 UTY-RHRG+UTY-TWRXZ2	● UTY-RSRG+UTY-TWRXZ2 UTY-RHRG+UTY-TWRXZ2	● UTY-RSRG+UTY-TWRXZ2 UTY-RHRG+UTY-TWRXZ2	● UTY-RSRG+UTY-TWRXZ2 UTY-RHRG+UTY-TWRXZ2	● UTY-RSRG UTY-RHRG UTY-RSNGM	● UTY-RSRG UTY-RHRG UTY-RSNGM	● UTY-RSRG UTY-RHRG UTY-RSNGM	● UTY-RSRG UTY-RHRG UTY-RSNGM
	Wireless remote controller						● UTY-LNTG			
IR Receiver Kit	 For Duct						● UTY-LBTGM	● UTY-LBTGM	● UTY-LBTGM	
Interface	MODBUS™ Convertor		● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX	● UTY-VMSX
	KNX® Convertor		● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX	● UTY-VKSX
	Wireless LAN Adapter		● UTY-TFSXF3	● UTY-TFSXF3	● UTY-TFSXF3	● UTY-TFSXF3				
							● UTY-TFSXZ2	● UTY-TFSXZ2	● UTY-TFSXZ2	● UTY-TFSXZ2
	External switch controller		● UTY-TERX+UTY-TWRXZ2	● UTY-TERX+UTY-TWRXZ2	● UTY-TERX+UTY-TWRXZ2	● UTY-TERX+UTY-TWRXZ2	● UTY-TERX	● UTY-TERX	● UTY-TERX	● UTY-TERX
	Network Convertor for Single Split	 DC Power Supply Type AC Power Supply Type	● UTY-VTGX+UTY-TWRXZ2 or UTY-VTGXV+UTY-TWRXZ2	● UTY-VTGX+UTY-TWRXZ2 or UTY-VTGXV+UTY-TWRXZ2	● UTY-VTGX+UTY-TWRXZ2 or UTY-VTGXV+UTY-TWRXZ2	● UTY-VTGX+UTY-TWRXZ2 or UTY-VTGXV+UTY-TWRXZ2	● UTY-VTGX UTY-VTGXV	● UTY-VTGX UTY-VTGXV	● UTY-VTGX UTY-VTGXV	● UTY-VTGX UTY-VTGXV

# Silver Ion Filter II

UTR-FA16-7 / UTR-FA16-8

NEW

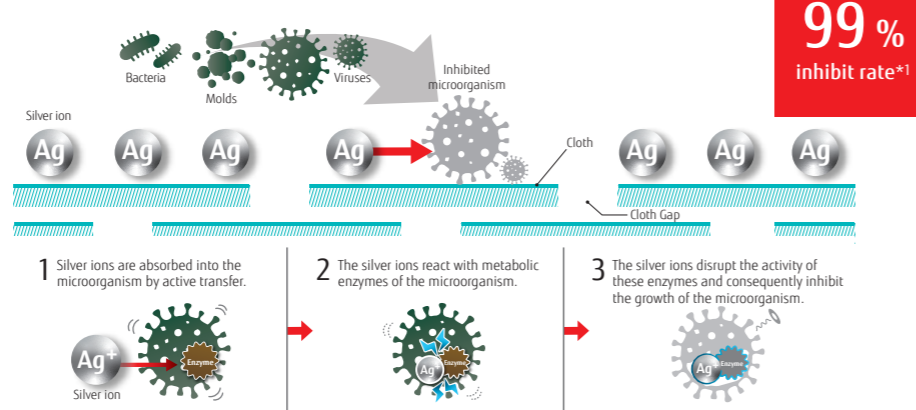


The Silver ion filter helps to keep indoor air free from viruses, bacteria and molds.

(Not a result of experiments in an actual use environment. Silver ion filter inhibits activity or growth of microorganism, but do not prevent infection.)

The silver ion filter inhibits the activities of viruses\*1, bacteria\*2 and molds\*3 trapped on the filter.

(Only effective when the microorganism is trapped on the filter with dust or droplet)



\*1 [Testing organization] Kitasato Research Center for Environmental Science [Test Report] No. 2020\_0408 [Test virus] Escherichia coli phage Qbeta NBRC 20012 (1 type) [Test Method] Based on the antiviral test method for textile products (JIS L 1922) [Test results] Inhibited by at least 99% in 24 hours. Not tested to prevent transmission of SARS-CoV-2.

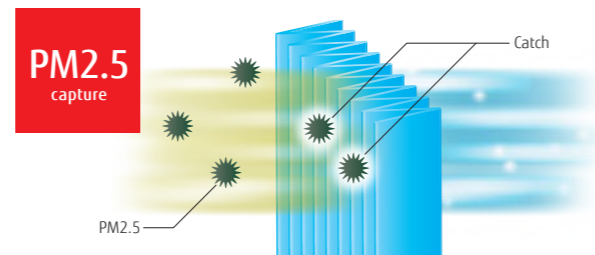
\*2 [Testing organization] Kitasato Research Center for Environmental Science [Test Report] No. 2020\_0409 [Test bacteria] Escherichia coli NBRC 3972 (1 type) [Test Method] Based on the determination of antibacterial activity and efficacy of textile products (JIS L 1902) [Test results] The growth of the test bacteria was inhibited by 24 hours testing

\*3 [Testing organization] Kitasato Research Center for Environmental Science [Test Report] No. 2020\_0410 [Test fungi] Aspergillus Niger NBRC 105649 and other fungi (3 types) [Test Method] Based on the test for fungus resistance (JIS Z 2911) [Test results] The growth of the fungus was inhibited by 28 days testing

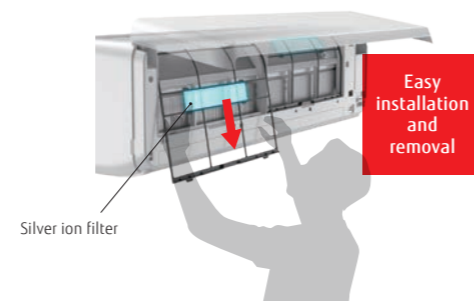
## Catch up PM2.5

The silver ion filter II cleans the air firmly catching the particle of 0.3 ~ 2.5 μm\*4.

\*4 PM2.5 is a general term for micro particulate matter less than 2.5 μm.



## Easy installation and removal



### Specifications

Model name	UTR-FA16-7	UTR-FA16-8
Net Dimension (H × W × D)	mm 35 × 210 × 5	51 × 364 × 5
Quantity	2	2

# Auto Louver Grille Kit

UTD-GXTA-W / UTD-GXTB-W

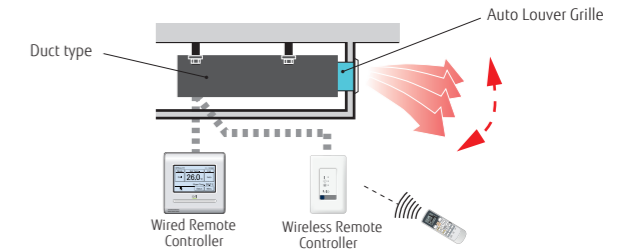


Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.

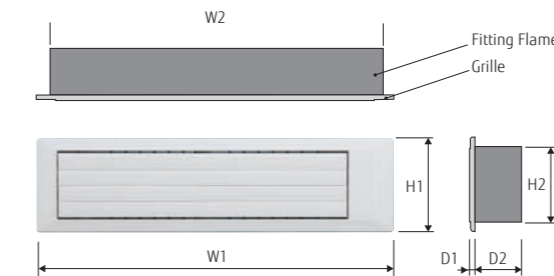


## Flexible Control

- **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-GXTA-W	683	645	180	148	9	84
UTD-GXTB-W	883	845				

Unit:mm

## Specifications

Model name	UTD-GXTA-W	UTD-GXTB-W
Applicable Indoor Unit	ARXG07/09/12/14KSLAP ARXG07/09/12/14KLLAP	ARXG18KLLAP ARXG18KSLAP
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)
Weight	Net	kg (lbs) 2.0 (4.4)
	Gross	3.0 (6.7)
Color	White	
Louver Motor	Stepping Motor	
Accessories	Fitting Flame, etc.	
Operation range	Cooling	°C 18 to 32
	Heating	% RH 80% or less
		°C 16 to 30

# Split Optional Parts List-INVERTER

Country		★ for Vietnam		Common models				Common models									
Type		Wall Mounted		Wall Mounted				Compact Cassette	Circular Flow Cassette	Ceiling	Slim Duct	Medium Static Pressure Duct	High Static Pressure Duct		Big Duct		
Model No.		ASGH09/12CPTB-V	ASGG 09/12/18/24 CPTA-V	ASGG09LLTB-V ASGG12LLTA-V	ASGG 18/24/30/36 CETA-B	ASHH09/12KLTA	ASGH18/24KMTA-R	ASGG18/24KJTA-B	AUXG18KVLA AUXG24KVLA	AUXG 18/24/30/36/45/54 KRLB	ABHG 18/24/30/36/45/54 KRTA	ARXG18KLLAP	ARXG 24/30/36/45 KMLA	ARXG45/54KHTB	ARHG60LHTA	ARHG72/90LHTA	
OTHERS	Human sensor kit									● UTY-SHZXC							
	Remote Sensor Unit											● UTY-XSZXZ1	● UTY-XSZXZ1	● UTY-XSZXZ1	● UTY-XSZXZ1	● UTY-XSZXZ1	
	Cassette Grille								● UTG-UFGF-W	● UTG-UKGA-B UTG-UKGA-W UTG-UKGC-W							
	Auto Louver Grille Kit											● UTD-GXTB-W					
	Flange												● UTD-RF204 UTD-SF045T				
	Drain Pump Unit											● UTR-DPB24T		● UTZ-PX1NBA		● UTZ-PX1NAB	
	Wide Panel / Additional Grille									● UTG-AKXA-W							
	Panel Spacer									● UTG-BKXA-W							
	Fresh Air Intake Kit								● UTZ-VXAA	● UTZ-VXRA							
	Air Outlet Shutter Plate								● UTR-YDZB	● UTR-YDZK							
	Insulation Kit For High Humidity								● UTZ-KXGC	● UTZ-KXRA							
	Silver ion filter II (PM2.5+Anti virus)		● Accessory	● UTR-FA16-7		● UTR-FA16-8	● UTR-FA16-7	● Accessory	● UTR-FA16-7								
	PM2.5 filter		● UTR-FA16-4	● Accessory		● Accessory			● Accessory								
	Long-life filter												● UTD-LF25NA	● UTD-LF60KA		● UTD-LFKA	
	Remote controller holder				● UTZ-RXLA												
L-type piping kit											● UTP-FX24A (18/24) UTP-FX35A (30/36/45/54)						
External Connect Kit / Communication Kit	Communication Kit				● UTY-TWRXZ2		● UTY-TWRXZ2	● UTY-TWRXZ2				● UTY-TWRXZ3					
	External input and output PCB				● UTY-XCSXZ2		● UTY-XCSXZ2	● UTY-XCSXZ2	● UTY-XCSX	● UTY-XCSX	● UTY-XCSX			● UTY-XCSX		● UTY-XCSX	
	External input and output PCB Box								● UTZ-GXRA	● UTZ-GXRA	● UTZ-GXEA			● UTZ-GXEA			
	External Connect Kit (For Indoor)				● UTY-XWZXZ5		● UTY-XWZXZ5 UTY-XWZX	● UTY-XWZXZ5	● UTY-XWZXZG	● UTY-XWZXZG	● UTY-XWZXZG	● UTY-XWZXZG	● UTY-XWZXZG	● UTY-XWZXZG	● UTY-XWZXZG		● UTY-XWZXZG
	External Connect Kit (For outdoor)									● UTY-XWZXZ3 (30/36/45/54)	● UTY-XWZXZ3 (30/36/45/54)		● UTY-XWZXZ3 (30/36/45)	● UTY-XWZXZ3	● UTY-XWZXZ2	● UTY-XWZXZ3	
	External Control Set														● UTD-EC55A		

# Multi-Split Optional Parts List-INVERTER

		Indoor Units for 2-unit, 3-unit, 4-unit, 5-unit Multi-split				Indoor Units for 2-unit, 3-unit, 4-unit, 5-unit Multi-split					
Type		Wall Mounted				Cassette		Duct			
Series		Designer Series		Standard Series		Compact 4-way Flow Grid type Series		Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure	
Model No.		ASHG07/09/12/14KGTE	ASHG07/09/12/14KETE ASHG07/09/12/14KETE-B	ASHG07/09/12/14KMCE	ASHG18/22/24KMTE	AUXG 07/09/12/14/18/22 KVLA		ARXG 07/09/12/14/18 KSLAP	ARXG 07/09/12/14/18 KLLAP	ARXG22KMLB	
Others	Remote Sensor Unit							● UTY-XSZXZ1	● UTY-XSZXZ1	● UTY-XSZXZ1	
	Cassette Grille						● UTG-UFGF-W				
	Auto Louver Grille Kit							● UTD-GXTA-W (07/09/12/14) UTD-GXTB-W (18)	● UTD-GXTA-W (07/09/12/14) UTD-GXTB-W (18)		
	Flange									● UTD-RF204 UTD-SF045T	
	Drain Pump Unit									● UTZ-PX1NBA	
	Fresh Air Intake Kit	 <small>For Compact Cassette</small>						● UTZ-VXAA			
	Air Outlet Shutter Plate	 <small>For Compact Cassette</small>						● UTR-YDZB			
	Insulation Kit For High Humidity	 <small>For Compact Cassette</small>						● UTZ-KXGC			
	Silver ion filter II (PM2.5+Anti virus)		● UTR-FA16-7	● UTR-FA16-7	● UTR-FA16-7	● UTR-FA16-7					
	Long-life filter										● UTD-LF25NA
External Connect Kit / Communication Kit	Communication Kit		● UTY-TWRXZ2	● UTY-TWRXZ2	● UTY-TWRXZ2	● UTY-TWRXZ2					
	External input and output PCB		● UTY-XCSXZ2	● UTY-XCSXZ2	● UTY-XCSXZ2	● UTY-XCSXZ2		● UTY-XCSX			
	External Connect Kit (For Indoor)		● UTY-XWZX UTY-XWZXZ5	● UTY-XWZX UTY-XWZXZ5	● UTY-XWZX UTY-XWZXZ5	● UTY-XWZX UTY-XWZXZ5		● UTY-XWZXZG	● UTY-XWZXZG	● UTY-XWZXZG	

## Quick service & maintenance

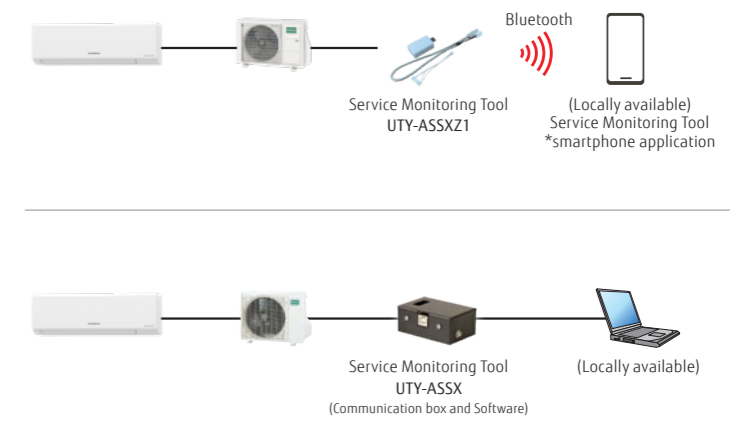


## Easy maintenance & monitoring

### Error diagnosis by Service tool

Connect Service tool to check the status details of units, from single split to VRF, on a computer screen. Check the errors quickly for prompt countermeasures.

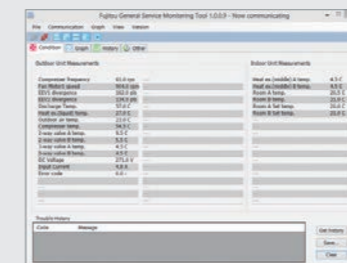
- Operating status/control
- Monitoring operating conditions
- Monitoring sensor data
- Indicating trend graphs
- Error history



## Service monitoring tool



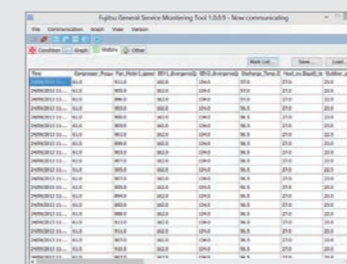
- A quick overview of the temperature sensor readings and the electronic expansion valves (EEVs), fans, compressors and other control components
- It is not always easy to read the temperature sensor and know the status of the control components. So let the Service monitoring tool judge them.
- Visualizes protected operations
- Troubleshoots intermittent problems effectively
- Provides proof of normal operation to customers during periodical maintenance



Actual operating conditions



Graphs



Operational histories

	UTY-ASSX
Dimensions (H × W × D) (mm)	60 × 160 × 160
Weight (g)	500



# NEW AIRSTAGE Service Monitor Tool

UTY-ASSXZ1



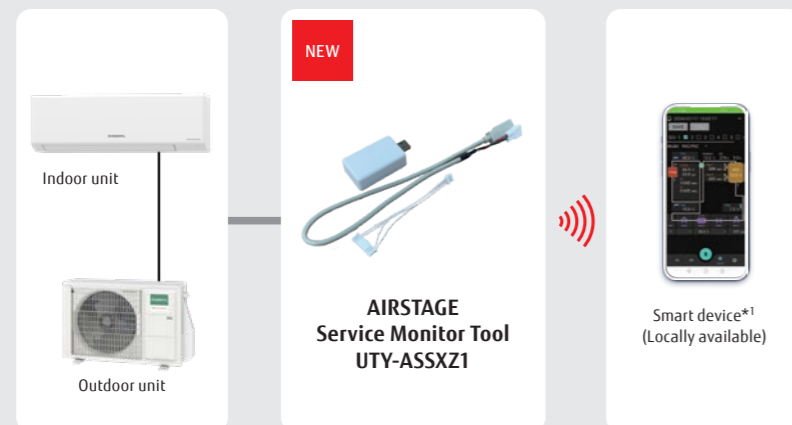
## Improved work efficiency

AIRSTAGE Service Monitor Tool can diagnose the cause of the error for a wide range of products. It makes maintenance or service support faster and can also reduce the number of visits and maintenance costs.

\*The values in the pictures are examples.

## Bluetooth communication

AIRSTAGE Service Monitor Tool can diagnose by the smart device\*1 and reduce the working time compared with diagnosis by PC. No need to connect a PC makes diagnosis easier even in narrow spaces.



\*1 Android only.  
You need to install the "AIRSTAGE Service Monitor Tool" app on your smart device.

## Compact and lightweight design

New model is easy to carry by compact and lightweight design. The service personnel can visit the maintenance site with small luggage.



## New application with simple design

New application for smart devices has been released. The stylish design makes the application easy to use for everyone.



AIRSTAGE Service Monitor Tool\*2

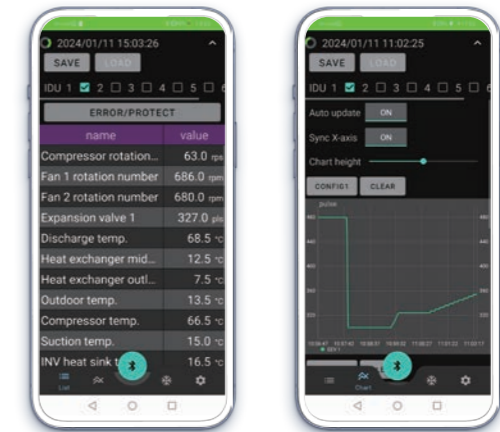


\*2 Available on Google Play™ store.  
Public countries in Asia: Singapore, India, Thailand, Taiwan

## Refrigerant cycle diagram display

The operating status can be displayed with a simple, clear diagram\*3 on the smart device. It reduces the time for diagnosis and makes diagnosis easier. It can complement abundant experience and advanced knowledge of refrigerant cycle. This shortens the training time for service personnel.

\*3 list and graph displays are also available



\*The values in the pictures are examples.

## Specifications

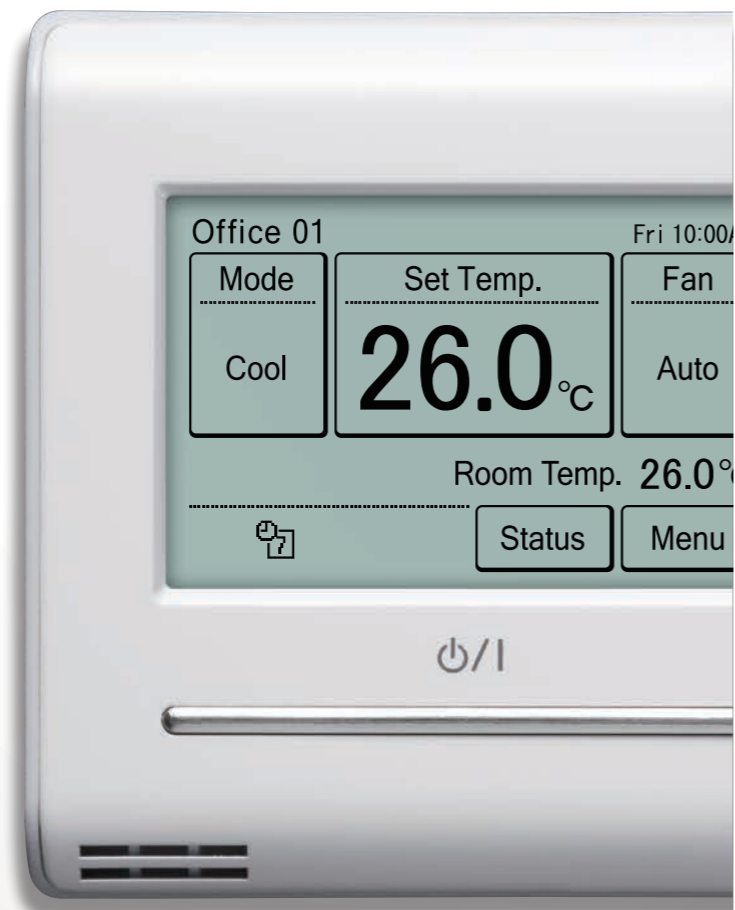
	UTY-ASSXZ1
Dimensions (H x W x D) (mm)	20 x 35 x 60 (adapter)
Communication cable (cm)	60
Weight (g)	25 (adapter)
Communication method	Bluetooth 5.3
Max. communication distance (m)	10*4
Compatible device	Android8.0 or above

\*4 Depends on the environment

## Function List

	UTY-ASSXZ1	UTY-ASSX
Product specification	Outdoor unit PCB	Outdoor unit PCB
Communication	Bluetooth	Wired
Support product type	<ul style="list-style-type: none"> <li>Split</li> <li>Multi-split</li> <li>ATW</li> <li>VRF</li> </ul>	<ul style="list-style-type: none"> <li>Split</li> <li>Multi-split</li> <li>ATW</li> <li>VRF</li> </ul>
Function	<ul style="list-style-type: none"> <li>Product distinction</li> <li>Signal-type distinction</li> <li>Operating status display                             <ul style="list-style-type: none"> <li>List</li> <li>Graph</li> <li>Refrigerant cycle diagram</li> </ul> </li> <li>Adapter firmware update</li> <li>Adapter status monitoring</li> <li>Input and output of history data</li> </ul>	<ul style="list-style-type: none"> <li>Product distinction</li> <li>Signal-type distinction</li> <li>Operating status display                             <ul style="list-style-type: none"> <li>List</li> <li>Graph</li> <li>Refrigerant cycle diagram</li> </ul> </li> <li>Adapter firmware update</li> <li>Adapter status monitoring</li> <li>Input and output of history data</li> </ul>

# Optional Parts Lineup



## Split / Multi-Split Optional Parts Lineup

### Controllers

For Individual & Centralized Control

**Wired Remote Controller**  
UTY-RNRGZ5



**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 with operation mode      UTY-RHRG without operation mode



**Simple Remote Controller**  
UTY-RSNGM



**Wireless Remote Controller**  
UTY-LNTG



### Others

For Duct type

**Remote Sensor Unit**  
UTY-XSZXZ1

New amenity space can be offered by installing the Remote sensor.



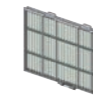
**IR Receiver Kit**  
UTY-LRHGM      UTY-LBTGM



**Auto Louver Grille Kit**  
UTD-GXTA-W (For 07-14 type)  
UTD-GXTB-W (For 18 type)



**Long-Life Filter**  
UTD-LF60KA      UTD-LF25NA  
UTD-LFKA



**Flange**  
UTD-RF204 (Round)      UTD-SF045T (Square)



**Drain Pump Unit**  
UTZ-PX1NBA / UTZ-PX1NAB



For Wall Mounted type

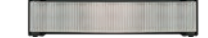
**Remote controller holder**  
UTZ-RXLA



**Silver ion filter II (PM2.5+Anti virus)**  
UTR-FA16-7 / UTR-FA16-8

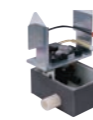


**NEW PM2.5 filter**  
UTR-FA16-4



For Ceiling type

**Drain Pump Unit**  
UTR-DPB24T



**IR Receiver unit**  
UTY-LBTGH



**L type piping kit**  
UTP-FX24A (For 18-24 type)  
UTP-FX35A (For 30-45 type)



# Split / Multi-Split Optional Parts Lineup

## Others

For Cassette type		
<b>Remote Sensor Unit</b> UTY-XSZXZ1  New amenity space can be offered by installing the Remote sensor.	<b>Human sensor kit</b> UTY-SHZXC For Circular Flow Cassette	<b>IR Receiver Kit</b> UTY-LBTGC
<b>Cassette Grille</b> UTG-UFGF-W For Compact Cassette	<b>Cassette Grille</b> UTG-UKGC-W For Circular Flow Cassette	<b>Cassette Grille (Black panel)</b> UTG-UKGA-B For Circular Flow Cassette
<b>Cassette Grille (with Remote Controller)</b> UTG-UKGA-W For Circular Flow Cassette	<b>Wide Panel</b> UTG-AKXA-W	<b>Panel Spacer</b> UTG-BKXA-W For Circular Flow Cassette
<b>Fresh Air Intake Kit</b> UTZ-VXAA	<b>Fresh Air Intake Kit</b> UTZ-VXRA	<b>Insulation Kit For High Humidity</b> UTZ-KXRA / UTZ-KXGC
<b>Air Outlet Shutter Plate</b> UTR-YDZB For Compact Cassette  Shuts the air outlet when only using as 3 blow out.	<b>Air Outlet Shutter Plate</b> UTR-YDZK  Shuts the air outlet when only using as 3 blow out.	

## Service & Maintenance

<b>Service Monitoring Tool</b> UTY-ASSX	<b>AIRSTAGE Service Monitor Tool</b> UTY-ASSXZ1
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## Communication devices

Communication Kit / External input and output PCB / Box		
<b>Communication Kit</b> UTY-TWRXZ2 / UTY-TWRXZ3	<b>External input and output PCB</b> UTY-XCSXZ2 / UTY-XCSX	<b>External input and output PCB Box</b> UTZ-GXRA / UTZ-GXEA

## Communication system

External Connect Kit / External Control set		
<b>External Connect Kit</b> For Indoor Unit  UTY-XWZX / UTY-XWZXZG      UTY-XWZXZ5	<b>External Control Set</b> For Indoor Unit  UTD-ECS5A	<b>External Connect Kit</b> For Outdoor Unit  UTY-XWZXZ2 / UTY-XWZXZ3

## Convertors / Adaptors

External device		
<b>Wireless LAN Adapter</b> UTY-TFNXZ3      UTY-TFSXF3 UTY-TFSXZ2	<b>Modbus Converter</b> UTY-VMSX	<b>KNX Converter</b> UTY-VKSX
<b>External Switch controller</b> UTY-TERX	<b>Network converter</b> UTY-VTGX      UTY-VTGXV DC Power Supply Type      AC Power Supply Type	

## 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.