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℃ DB/19℃ WB Outdoor temp.: 35℃ DB/24℃ WB	Heating	Indoor temp. : 20℃ DB Outdoor temp.: 7℃ DB/6℃ WB

- Performance test is in accordance with EN14511
- Seasonal efficiency test is on accordance with EN14825
- Sound power test is in accordance with EN12102

CE

Fujitsu General (Thailand) Co., Ltd.

TÜV ISO 9001 01 100 075229 ISO 14001 01 104 9245

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

Fujitsu General (Shanghai) Co., Ltd.

TÜV ISO 14001 BUREAU VERITAS Certification

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

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

CNAS IAF

ISO 9001 Certified number: 15917Q20073RSM
ISO 14001 Certified number: 15918E20021RSM

Distributed by:

FUJITSU

PRODUCT CATALOGUE 2019

AIR CONDITIONERS LINEUP






AIR CONDITIONERS LINEUP PRODUCT CATALOGUE 2019

FUJITSU GENERAL LIMITED

FUJITSU GENERAL LIMITED
3-3-17, Suenaga, Takatsu-ku, Kawasaki 213-8502, Japan
https://www.fujitsu-general.com/

3EF019-1901E

FUJITSU GENERAL LIMITED

OUR SOLUTION
for ALL LIFE SCENES

Fujitsu General provides comfortable and economical air conditioning systems that fit architectural trends and environmental awareness in Europe
– from business scene to lifestyle scene.

CONTENTS

OUR MESSAGE

Innovation & Globalization

Providing a Brand New Tomorrow to
Everyone on Earth

Design for Future

Design for Comfort

Design for Control

Design for Future

We provide reliable technologies approved and cultivated in the European market where environmentally friendly regulations are very strict. We are working on making environmentally friendly products we can be proud of in the future in our research, development and manufacturing processes.

Our Pioneering Efforts Make Green Future

Approach to new energy efficiency standard Fujitsu General following the EU climate action plan 20/20/20 by 2020.

20% Less Primary Energy Use

Fujitsu General products with high efficiency and therefore low electricity

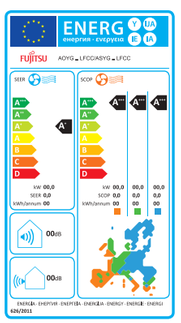
20% Less CO_2 Emissions

Fujitsu General products sharply following the F-gas regulation 517/2014

20% Share of Renewable Energy

Fujitsu General promoting air sourced heat pumps as renewable energy source heating systems

New Energy Labelling Requirement 626/2011/EU
Our Air Conditioners have reached the **"Class A"** ranking, the highest energy efficiency level that is now shown on energy labels in Europe.



	SEER (Cooling mode)	SCOP (Heating mode)
A+++	SEER ≥ 8.50	SCOP ≥ 5.10
A++	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A+	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER < 4.10	2.50 ≤ SCOP < 2.80
E	3.10 ≤ SEER < 3.60	2.20 ≤ SCOP < 2.50
F	2.60 ≤ SEER < 3.10	1.90 ≤ SCOP < 2.20
G	SEER < 2.60	SCOP < 1.90

EU strengthen F-gas Regulation introduced 2014.

New EU F-gas Regulation aims prevention of emissions and reduction the use of higher GWP F-gases.

Key elements

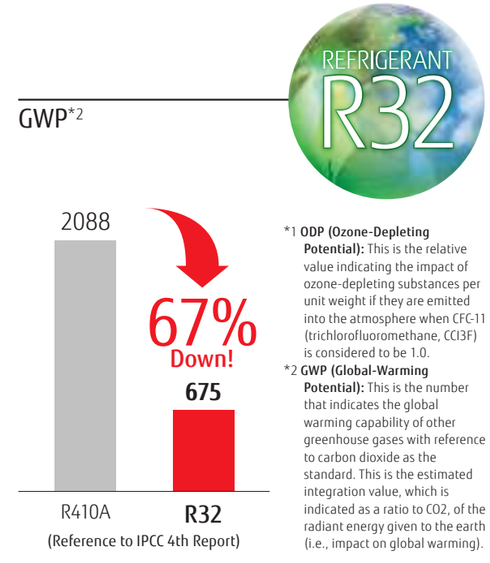
- Phase down approach
- Quota allocation
- Restrictions on the placing on the market
- Traceability of HFC contained in pre-charged equipment

Fujitsu General work on the reduction of HFC with innovative efforts

New refrigerant R32 for the reduction of the global warming potential.

Key points

- The ozone-depleting potential (ODP*1) is 0!
- Environmental properties
- Performance
- Economic efficiency



*1 **ODP (Ozone-Depleting Potential):** This is the relative value indicating the impact of ozone-depleting substances per unit weight if they are emitted into the atmosphere when CFC-11 (trichlorofluoromethane, CCl3F) is considered to be 1.0.

*2 **GWP (Global-Warming Potential):** This is the number that indicates the global warming capability of other greenhouse gases with reference to carbon dioxide as the standard. This is the estimated integration value, which is indicated as a ratio to CO2, of the radiant energy given to the earth (i.e., impact on global warming).

Design for Comfort

Fujitsu General has developed and commercialized numerous world-first technologies with a commitment to real comfort. This concept also applies to our designs. We will continue to pursue the possibilities of air conditioners and provide new comfort in the future.

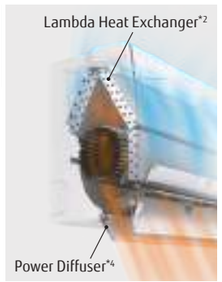
Comfort by Design with Advanced Technology

*1, *2, *3, *4, *5

The Dual Side Fans equipped to our flagship "nocria X" model optimally control the airflow. Their distinctive form delivers comfortable airflow to the corners of room. The Power Diffuser opens the lower flap of the main unit to blow warm air downward. This heats up rooms from the floor to increase heating efficiency. Lambda Heat Exchanger improves the operating efficiency and expands the possibilities of design, such as compactness of indoor units. Moreover, we have developed the automatic cleaning of filters for the first time to ensure maintenance and operating efficiency.
The airflow control system of nocria X is also applied to cassette type. 3 airflows create comfortable space. Fujitsu General is developing unique technologies to provide pleasant spaces.


The Dual Side Fans*1


Filter Auto Clean*3




3 Air Outlet Ports*5

*1: Announced 2012. In room air conditioner for the home (our company's investigation)
*4: Announced 1991. In room air conditioner for the home (our company's investigation)
*2: Announced 1994. In room air conditioner for the home (our company's investigation)
*3: Announced 2012. In room air conditioner for the home (our company's investigation)
*5: Announced 2018. In room air conditioner for the home (our company's investigation)

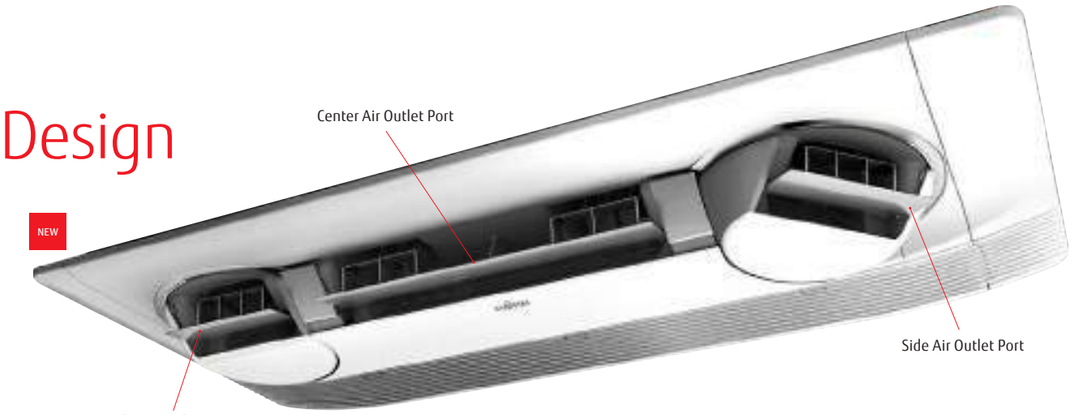
Comfortable Airflow

DUAL BLASTER

Comfortable airflow control to prevent the body from being exposed to airflow.

Design

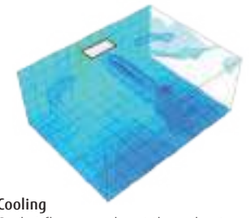
NEW



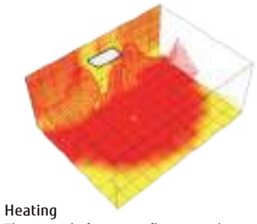
New 3D Flow Cassette

- Achieves a comfortable living space throughout the entire room using 3 airflows.*5
- The unit was designed to overcome a variety of installation limitations, which can occur at installation site.
- New air discharge design provides high intact and smooth discharge with reduced loss and top-class high energy saving performance.

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



Cooling
Cool airflow spreads out throughout the room so that there is a comfortable coolness anywhere in the room
*When cooling operation is stable with an outside air temperature of 35°C, a set temperature of 18°C and an air volume set to "Hi" in a 40 m² environmental our test room for the AUXS018GLEH



Heating
The spread of warm airflow near the floor*6 is approximately 80% of the room – this is approximately three times that of conventional duct type air conditioners*7 (Refer to the figure below)
*When heating operation is stable with an outside air temperature of 7°C, a set temperature of 30°C and an air volume set to "Hi" in a 40 m² environmental our test room for the AUXS024GLEH

*6: When heating operation is stable with an outside air temperature of 7°C, a set temperature of 30°C and an air volume set to "Hi" in a 40 m² environmental our test room for the AUXS018GLEH, the temperature distribution 10 cm above the floor was measured and the areas at 28°C or more were compared.
*7: Fujitsu General ARXK24GCLH duct type air conditioner

Beautiful Space Design

Design Award winning products
Wall Mounted


KM Series
GOOD DESIGN


KG Series
GOOD DESIGN


LT Series
reddot design award winner 2012

This fits grid ceiling system.
Compact Cassette
Grid type


Beautiful designs from all angles.
Cassette Circular Flow

Design for Control

Using the Internet of Things (IoT), Fujitsu General actively provides services that allow users to control air conditioners from their smartphones.
We will expand open co-creation efforts with external partners and deepen our use of IoT and artificial intelligence (AI) to develop new functions and services in efforts to develop secure, convenient air conditioners.

User Friendly Interface

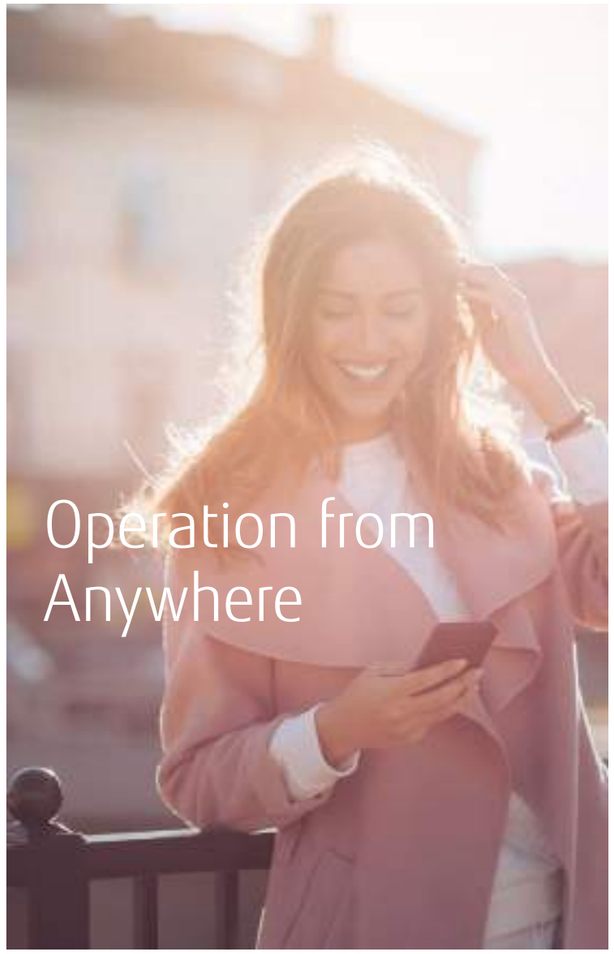
User friendly screen display facilitates easy operation.

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

Get FGLair
Download Free

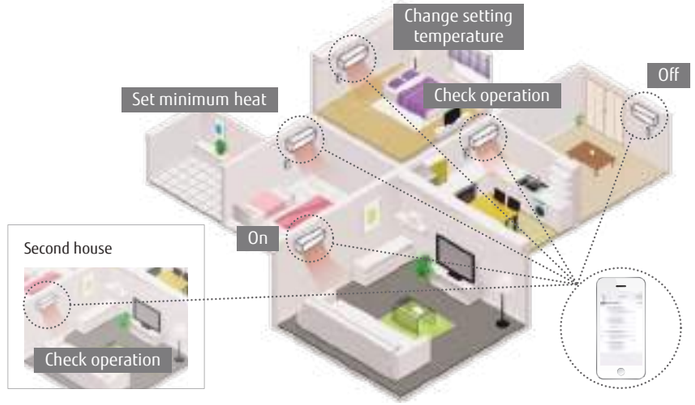
Download on the App Store

ANDROID APP ON Google play



If you forget to turn off your system before you left your home - no problem!

"FGLair" is an application software that enables you to operate the Fujitsu General's air conditioner(s) with a mobile device from anywhere out of your home or when you are on travelling.



Wireless LAN Interface

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

NEW

+ FGLair

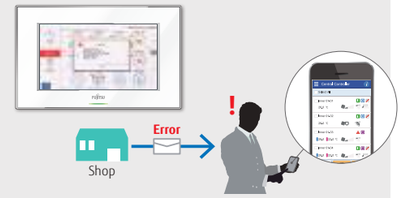
NEW

New Central Remote Controller for VRF

New Central Remote Controller allows many menus to display on the top screen by adopting touch panel screen. Necessary window pops up only by touching the menu you want to operate. More intuitive operation can be performed.

Remote monitoring/ Remote operation

New central remote controller can control your tenant's air conditioner anytime and anywhere.



History 1936 Established as Yaou Shouten Ltd.

Overseas Air Conditioning Business since 1971

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

1971: Air conditioner exports to Middle East.
1977: "Super Power, Super Quiet" series
1982: Window type 3 Super series
AL/AX series

1985: Large wall mounted and multi air conditioner introduced.

1950 ~

For Residential

*1,*2 1991: Air conditioner with the world's first lambda heat exchanger
1994: Air conditioner with the world's first power diffuser

1970 ~

For Commercial

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

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

2000 ~

For Light Commercial

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

2006
VRF Heat Pump type Max. 42 HP AIRSTAGE™ V series is released.
2009: Heat Pump Modular type Max. 48 HP AIRSTAGE™ V-II series is released.

2009
Air to Water system is released.
WATERSTAGE

2010 ~

2011: High energy saving type AIRSTAGE™ J-II series is released.
2014: Small & lightweight outdoor unit AIRSTAGE™ J-IIS that has improved easy installation with a single fan

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

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

2014-15
Heat pump modular type AIRSTAGE™ V-III max. 54 HP ideal for large properties is released

2011
Hi-spec Design model is released.

2017
Flagship Wall Mounted models

*4

Manufacturing Company Establishment

1955: Headquarters in Kawasaki
1964: Electronic components factory in Ichinoseki

1977: Air conditioner manufacturing company in Hamamatsu (now Hamamatsu business office.)
1991: Air conditioner manufacturing company in Thailand.
1994: Air conditioner manufacturing company in Shanghai, China.
1998: Air conditioner motor manufacturing company in Thailand.

2006: VRF air conditioner manufacturer, sale, and service company in China.
2007: Air conditioner technology building completed on Main Office group. Air conditioner R&D Center in Kawasaki
2009: Operation of compressor factory begins in Thailand.

2012: Joint venture in Thailand to manufacture compressors
2016: Commercial use air conditioner R&D Center in Thailand

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

Fujitsu General (EURO) GmbH

Sales & Service Maintenance Company Establishment

1976: North America sales company
1977: Europe sales company (UK)
1978: Australia sales company / Europe sales company (Germany)
1980: Brazil sales company
1997: Asia sales company (Singapore)
1998: Middle East sales company (UAE) / New Zealand sales company

2000: Air conditioner manufacturing and sale technical partnership in India
2002: Taiwan sales company
2006: China sales company

2016: THE AIRSTAGE on Broadway in New York

2019 New Topic

2017-19 NEW
New small VRF AIRSTAGE™ J-IIIL suitable for diverse light commercial properties is released.

AIRSTAGE J-IIIL
8-16 HP models
& New 18 HP model

2019 NEW
New cassette style release.

*5

3D Flow Cassette

2018-19 NEW
Environment-friendly new refrigerant R32 models are added.

Single / Multi Split

Multi Split

2019 NEW
Air to Water system High capacity models that increase heating efficiency are added to our lineup.

WATERSTAGE
15/16/17 kW models

2019
Construction of new building to strengthen development capabilities at Kawasaki head office:
Base to create new value by combining internal and external knowledge

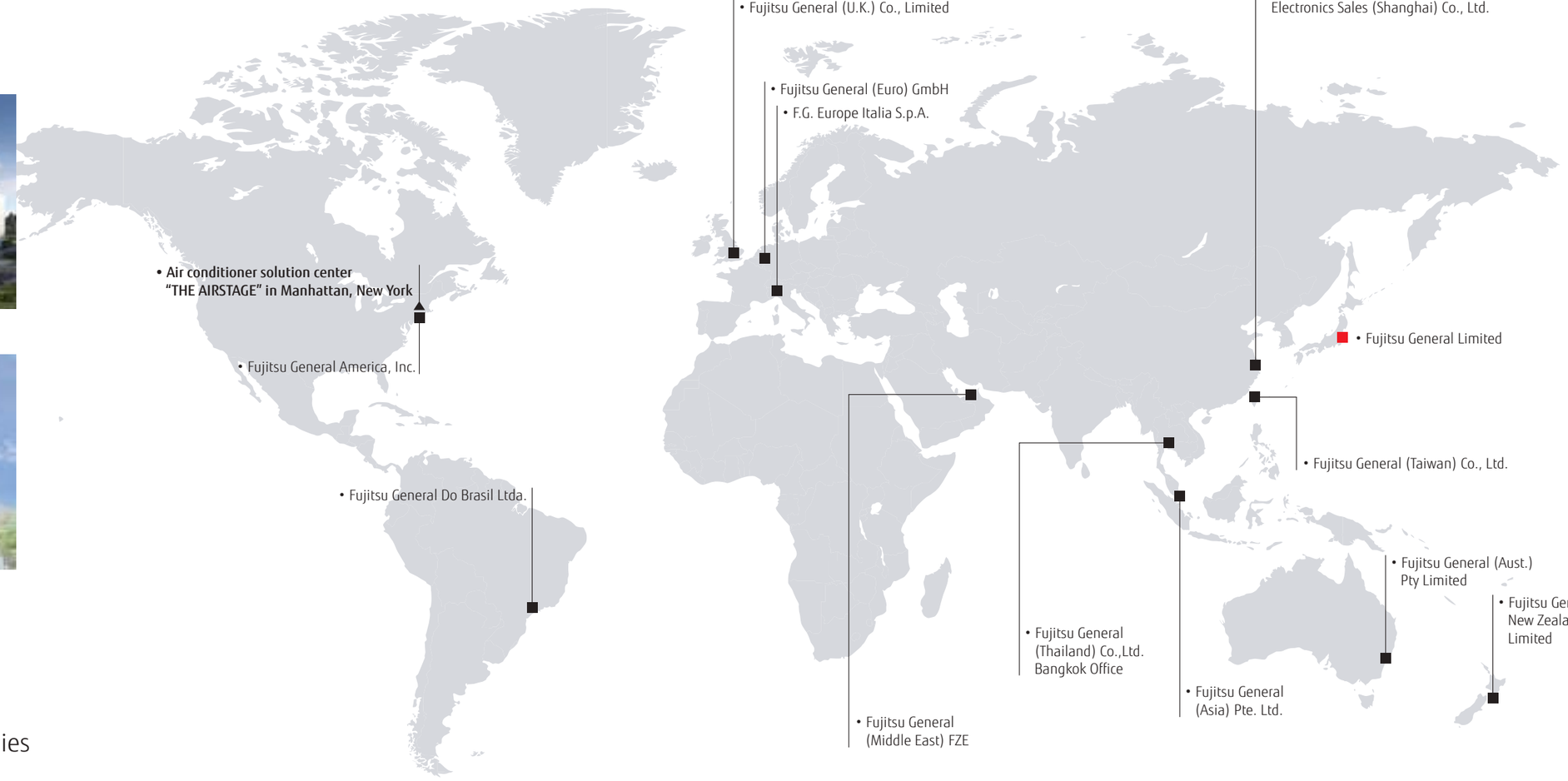
*1. Announced 1991. In room air conditioner for the home (our company's investigation) *2. Announced 1994. In room air conditioner for the home (our company's investigation)
*3. Announced 2002. In room air conditioner for the home (our company's investigation) *4 Announced 2012. In room air conditioner for the home (Our company's investigation)
*5: Announced 2018. In room air conditioner for the home (Our company's investigation)

World Wide Locations

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

JAPAN Head Office

New Technology Research Building (Japan)



14 Overseas Sales Companies

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

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

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

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

Fujitsu General (EURO) GmbH (Germany)

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

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

F.G. Europe Italia S.p.A. (Italy)

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

Fujitsu General New Zealand Ltd. (New Zealand)

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

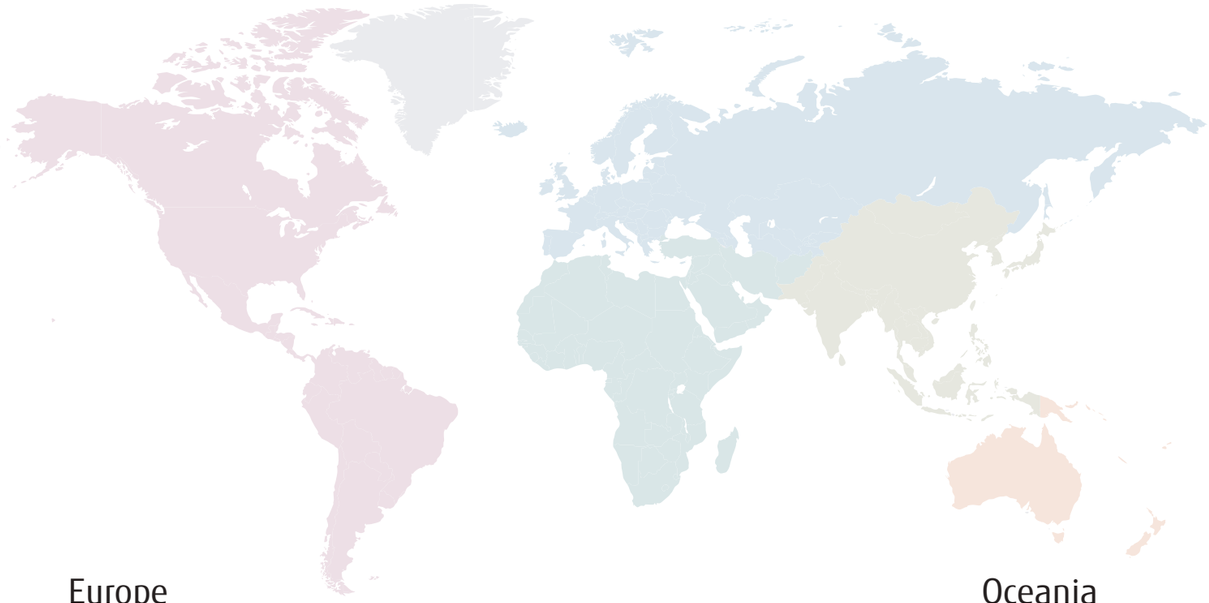
Fujitsu General Do Brasil Ltda.(Brasil)

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

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

Global Business Activities

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



North/South America


AHR Expo


HVAC trade show in Brasil


Distributor meeting


Call center

Middle East


Exhibition


Exhibition


Technical seminar


Training for dealers

Europe


HVAC trade show in Europe countries


Presentation & training


HVAC trade show in Europe countries


ACR Show

Oceania


HVAC trade show in Australia


Charity (Christchurch)


Service & Maintenance

Asia

New Product Presentation Meeting


VRF training


SE training


Call center

International authoritative design awards


"Dealer Design Awards" of "the NEWS"


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


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

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

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

reddot design award winner 2012

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


Coolworld Industry Awards "Most Efficient Air Conditioner"

Canstar Blue Most Satisfied Customers Award


China State Construction Engineering Luban Prize

GOOD DESIGN

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

Project Reference

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

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

For Light Commercial

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

For Commercial

9 Office in Europe
10 Office in Europe
11 Office in Europe
12 Hotel in Asia

For Residential

13 Residential in Europe
14 Residential in Europe
15 Residential in Oceania
16 Residential in Middle East

Global Development
& Production Bases

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

- Head Office
- R&D Center
- Manufacturing Companies

R&D Center & New Technology Research Building


R&D Center in Fujitsu General (Shanghai)


R&D Center in Fujitsu General Engineering (Thailand)


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


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


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

New
Technology Research Building
in Japan Head Office

Overseas Manufacturing Companies


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


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


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


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


Fujitsu General Engineering (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 RAC 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.

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

New
Technology Research Building
in Japan Head Office

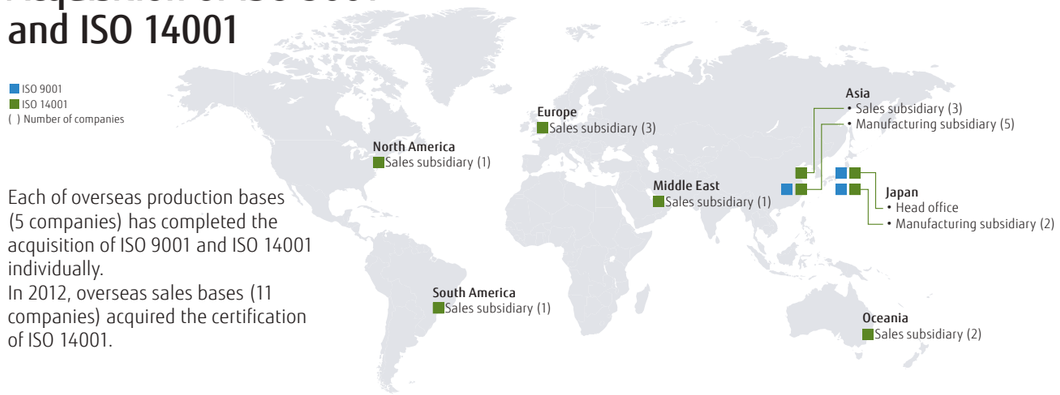
Testing Laboratory

Fujitsu General EMC Laboratory Limited

60 m Height Difference Testing Tower
Objective is to confirm oil circulation of compressor for reliability

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.

Acquisition of ISO 9001 and ISO 14001



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

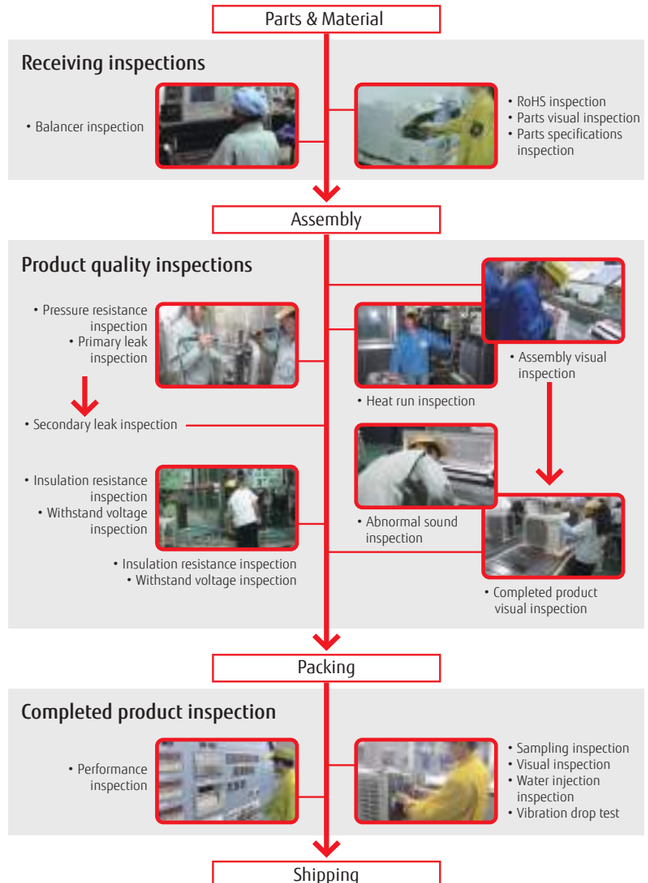
All Fujitsu General factories have acquired ISO 9001, and have built a quality control system common around the world. High quality products are offered to all over the world based on stringent quality inspections.

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.



2019 New Products

SPLIT

Wall Mounted
Exquisite Design Range series
High Efficiency & Comfort
Future Release

KE Series

- 7/9/12 class 3 models, 2 colors
- New compact design chassis
- High energy efficiency
- New type Wireless LAN adaptor (option)
- R32 refrigerant & low refrigerant volume

Wall Mounted
Standard Range series
High Efficiency & Large Room

Page 062

KM Series

- 18/24 class 2 models
- High energy efficiency
- Family look design
- New type Wireless LAN adaptor (option)
- R32 refrigerant & low refrigerant volume

Wall Mounted
ECO Range series
Compact & Comfort

Page 064

KP Series

- 7/9/12 class 3 models
- New compact design chassis & high energy saving
- New type Wireless LAN adaptor (option)
- R32 refrigerant & low refrigerant volume

Cassette
Compact 4-way Flow series
Compact & Comfort

Page 080

- 9 – 24 class 6 models
- Compact & stylish panel design
- Easy maintenance

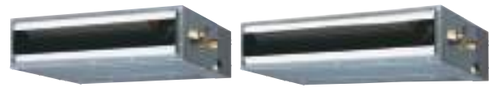
Cassette
Circular Flow series
Comfort for Large Room

Page 084

- 18 – 54 class 7 models
- Individual louver control
- Various cassette grille
- Unique circular flow design

Slim Duct
Slim & Comfort

Page 092



- 9/12/14/18 class 4 models
- High efficiency & quiet operation
- Small and light weight outdoor unit
- Up to -15°C at cooling operation

Medium Static Pressure Duct
Compact & Comfort

Page 096

- 12 – 54 class 9 models
- High efficiency & quiet operation
- Small and light weight outdoor unit
- Up to -15°C at cooling operation

Medium Static Pressure Duct
Standard

Page 100

- Single phase 22 – 45 class 5 models
- Compact outdoor unit
- Slim & compact design indoor unit
- Up to -15°C at cooling operation

High Static Pressure Duct

Page 104

- 45/54 class 2 models
- Compact outdoor unit
- All DC inverter technology
- Design also corresponding to high static pressure

MULTI SPLIT

2 Rooms Multi Outdoor units

Page 128

- 14/18 class 2 models
- Space saving application
- Up to -15°C at cooling operation
- Various indoor units lineup

14 class

18 class

New indoor unit lineup

Page 142

- 4 types 20 models
- Capacity range from 2.0 kW to 4.0 kW class

Wall Mounted

Compact Cassette

Mini Duct

Slim Duct

Simultaneous Multi Twin/Triple

Page 136

- 4/5/6 HP 3 models
- Slim & Compact design outdoor unit
- Flexible installation

Twin 36 class

Twin/Triple 45/54 class

New indoor unit lineup

- 3 types 6 models indoor units

Compact Cassette

Slim Duct

Medium Static Pressure Duct

VRF

AIRSTAGE J-III L

Outdoor Unit 18 HP model

Page 184

- Slim & compact design
- Top class low noise
- Up to 42 indoor units can be connected
- Design with small refrigerant

3D Flow Cassette for VRF

Page 206

- 18/24 class 2 models
- Three air outlet ports realize wide air flow
- Three air outlet ports can be controlled individually
- High energy saving
- Low input power

WORLD'S FIRST *1

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

CONTROL SYSTEM

Wireless LAN Interface

Page 236

- Operation from anywhere
- Easy to install and set up

Central Remote Controller

Page 247

- Remarkable design
- User friendly
- Remote monitoring operation
- Supporting Max. 23 different-languages

AIR TO WATER

WATERSTAGE

Split type & Split DHW Integrated type Super High Power Series

Page 278

- 15/16/17 kW class 3 models outdoor units, 4 models Hydraulic indoor units
- Advanced heating capability at low outside temperature
- Enhanced anti-freezing functions in cold areas
- Quiet design against the noise when being operated at night

From Business to Private Spaces

SOLUTIONS

For Light Commercial

We offer comfortable and economical air conditioning systems focused on small to medium-sized buildings.

For Commercial

We provide single and modular type VRF systems designed for high efficiency, comfort, freedom of design, easy installation and high reliability.

For Residential

We provide smart air conditioning systems with a wide range of control options for comfortable control and convenient use.

A casual conversation with a colleague at work

A presentation in a large meeting room

A restaurant you dropped by when going out Your regular living room

We have a lineup of air conditioners ideal for all these situations – from business to private spaces. The air conditioners of Fujitsu General can be found in various settings of life.

Restaurant, Shops

For Light Commercial

Fujitsu General provides perfect total air conditioning systems that offer smooth support by tenant, by purpose and by customer visit frequency in shops and restaurants with multiple lighting and a high density of customers.

New Single Split

For Restaurant

R32 large models lineup expanded

The lineup of cassette type and duct type suitable for large spaces has been expanded by adding models that use the environmentally-friendly new refrigerant R32.

High Static Pressure Duct

Compact Cassette

Circular Flow Cassette Series

Mini Duct

Slim Duct

Medium Static Pressure Duct

Circular Flow Cassette Series
For ambiences with dim lightings

For bright Interior rooms etc.

Color variations by two panels

Both black and white panels are available for Cassette type. Black panel is suitable for the dark place such as a restaurant with atmosphere. White panel is usually used at bright areas such as offices. (Available to single split and VRF indoor units)

New Simultaneous Multi

For Shops

Medium Static Pressure Duct

Compact Cassette

Twin 36 class
(Single phase)

Twin/Triple 45/54 class
(Single phase)

Small and light weight outdoor unit

Models using new refrigerant R32. Compared to the current models the outdoor unit is more compact and easier to install. (45/54 models)
A compact cassette grid type for grid ceiling systems was added for indoor unit lineup and ease of installation was improved.

Various indoor unit lineup

We provide 3 types of indoor units. You can select them to suit the atmosphere and layout of your shop.

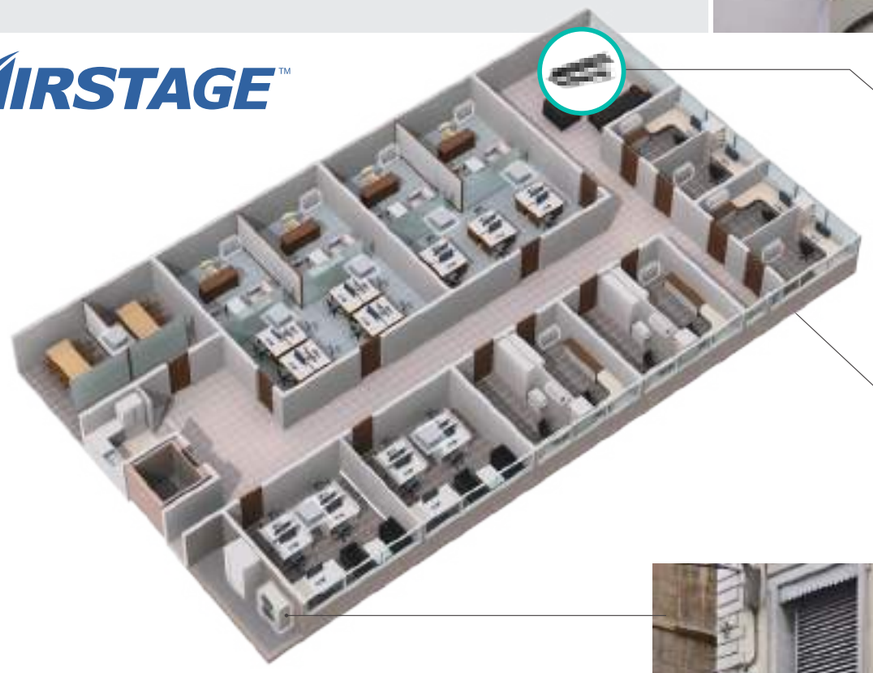
Slim Duct

Small Offices

For Light Commercial

Fujitsu General provides perfect total air conditioning systems that take into account energy saving, low noise, comfortable airflow, small room application and centralized control for small-sized office buildings with many small rooms.

AIRSTAGE™



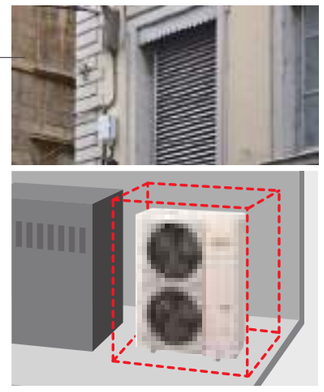
J-III | J-IIIL | J-IIIL High capacity model

NEW 18 HP model

AIRSTAGE™ J-Series Up to 18 HP by compact outdoor unit

Small VRF system is suitable for the buildings with many small rooms. Max. 42* indoor units can be connected.

*Only J-IIIL 18 HP model



J-IIIL

Compact and low noise design outdoor unit

This compact outdoor unit does not take up much space even if installed in a machine room or on the rooftop. This unit secures enough static pressure even if there are louvers. Low noise operation is possible at nighttime by a low noise mode.

New style 3D flow cassette provides more comfort

The left and right air outlet ports with max 100° rotation angle and the wide center air outlet port can minimize uneven temperature to create a comfortable space.

Various indoor units lineup for low capacity class

Various range of low capacity 1.1 kW indoor units to suit small rooms or spaces.

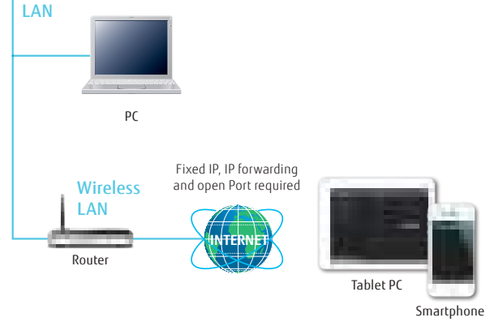
Wall Mounted

Compact Floor

New centralized remote controller with improved operability

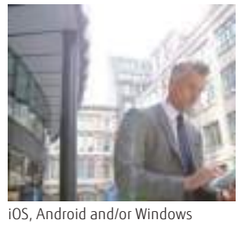
Temperature management of each room and one week operation control management/settings are supported easily. This controller makes energy saving management possible with upper/lower temperature limit settings and operation prohibited settings.

Central Remote Controller UTY-DCGYZ1



Control and monitoring

The same management as with the main unit is possible even if you are at your desk. Non-administrators can also operate the air conditioners with a PC, Smartphone or tablet.



iOS, Android and/or Windows

Hotels

For Light Commercial

Fujitsu General provides perfect total air conditioning systems that take into account comfort, energy saving, external appearance, safety and easy installation for small low-rise hotels.

AIRSTAGE™

J-IIIL
High capacity model

J-IIIL

J-III

AIRSTAGE™ J-Series appearance-oriented compact outdoor unit

Due to the lowest and most compact design in the industry, the appearance of hotel is not damaged even when installed on the building.

Ventilation of the whole hotel supported

Outdoor air processing is essential in hotel spaces with a high degree of airtightness. The DX-Kit can link up with air conditioners to ensure sufficient ventilation.
This system can be expanded.

EEV unit

Control unit

Guest room air conditioning with excellent comfort, energy saving and easy installation

Space saving
Mini duct type with 198 mm height and 450 mm depth. This can be installed in narrow ceiling space easily.

Mini Duct

Card key switch available
Using the card key prevents you from forgetting to switch off the air conditioner.

Use of an external connect switch

Comfortable airflow that switches up and down air directions
The Auto Louver Grille Kit achieves comfortable airflow by adjusting the air direction.

Auto Louver Grille Kit

Centralized control of air conditioning in shared spaces

Air conditioning in shared spaces such as lobbies and hallways is controlled centrally. Temperature and operating conditions can be managed without the adjustment by guests.

System controller

Simple Remote Controller with sophisticated design

Suitable for hotels or offices as it is easily operated with no complex functions.
Large LCD screen & simple operation buttons White colored backlight on monitor enable easy operation in dark.

Large space air conditioning in the reception and lobby

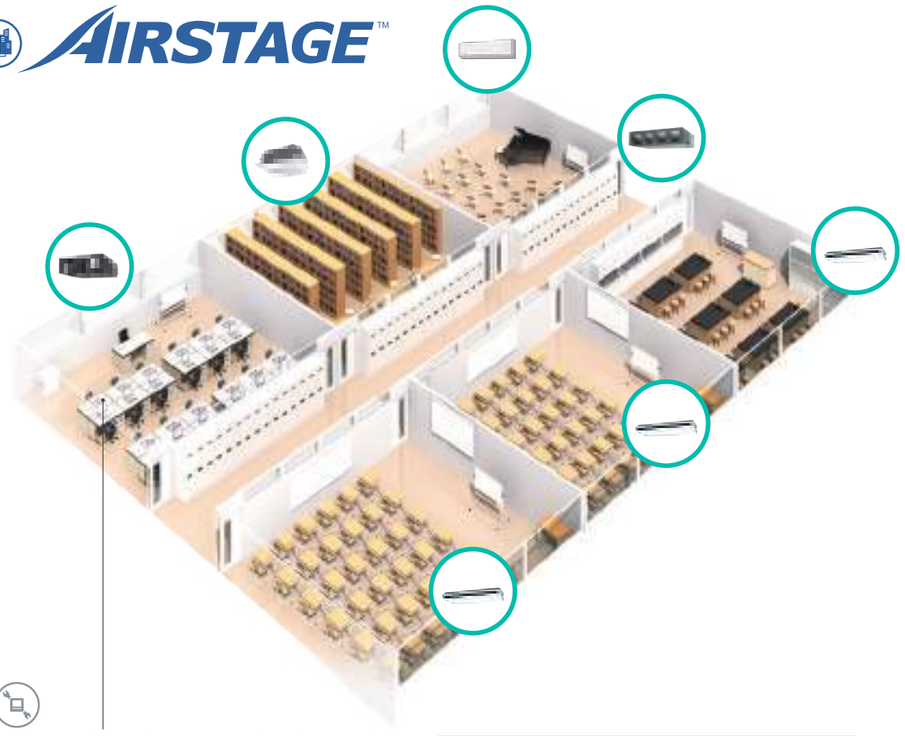
Ultra-large duct type single split system suitable for large spaces with high ceilings

School

For Light Commercial

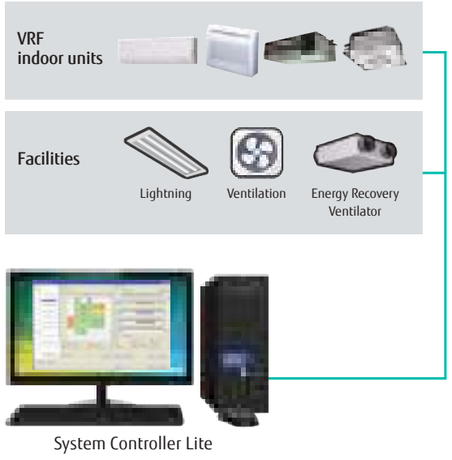
Fujitsu General provides the optimal number of connected indoor units for mid-sized educational institutions. The degree of freedom of the installation location selection is improved with a compact design that minimizes the installation area. Even one outdoor unit can cover the entire school building.

AIRSTAGE™



Centralized control of both air conditioning and ventilation equipment

It is possible to perform centralized control to stop the operation of lighting and ventilation equipment in addition to air conditioners. This is useful in energy saving management over the whole building.



System Controller Lite

Mini Duct

Medium Static Pressure Duct

Ceiling

Wall Mounted

Various indoor units

We have a lineup of indoor units that can also support complex applications – from normal classrooms to special classrooms and auditoriums. Air conditioners can be also added easily.

Energy Recovery Ventilator

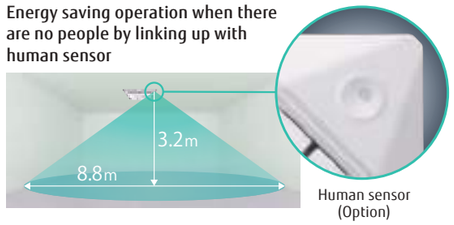
Circular Flow Cassette

Comfortable room air conditioning without airflow feeling

Circular Flow Cassette blows out in all directions without temperature unevenness

Individual airflow direction control to prevent people from being exposed to airflow

Energy saving operation when there are no people by linking up with human sensor



Human sensor
(Option)

Large Building

For Commercial

Fujitsu General provides modular type VRF systems that seek high efficiency, comfort, design freedom, easy installation and reliability for skyscraper buildings.

AIRSTAGE™

Abundant lineup suitable to match the operating environment

VRF series lineup to meet various needs such as energy saving-orientated models and models compatible with a high outdoor air temperature of 52°C*

*: TROPICAL model only

AIRSTAGE™ V-II

Smart and cutting-edge design. Extensive lineup from 8 HP to 48 HP in 2 HP increment. Connectable indoor unit capacity ratio up to 150%

8 HP - 48 HP 34 Models

- Space saving combination: 8 HP to 48 HP/21 models
- Energy efficiency combination: 16 HP to 44 HP/13 models

Individual air conditioning system for large buildings

Capacities can be expanded up to simultaneous cooling and heating with maximum 48HP. Large individual air conditioning is supported.

AIRSTAGE™ V-III

AIRSTAGE™ V-III TROPICAL SPEC

8 HP - 54 HP 39 Models

- Space saving combination: 8 HP to 54 HP/24 models
- Energy efficiency combination: 16 HP to 46 HP/ 15 models

Centralized control

Not only indoor units in the building but also facilities such as ventilation can be controlled easily by anyone.

System Controller
(UTY-APGXZ1)
System Controller Lite
(UTY-ALGXZ1 & UTY-PLGXX2)

Link up with a variety of BMS

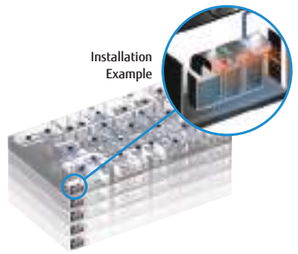
Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, BACnet, KNX and other various interfaces.

High system flexibility

Flexible installation on each floor and installation of diverse indoor units are possible through the industry's top class high static pressure, long piping design and connection capacity.

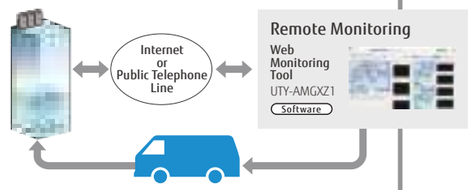
82* Pa

*: 80Pa for VR-II



Rapid service support

The air conditioning of the entire building can be monitored remotely with Web Monitoring Tool and System Controller. Rapid response for emergency is possible by a self-diagnosis in advance in cooperation with a management company.



Residence

For Apartment & House

Fujitsu General provides the products that match spaces and the rhythm of life from living rooms where the whole family relaxes to small rooms such as bedrooms and children's rooms.

Various indoor units suitable for the characteristics of each room

KX Series

nocria™X

DUAL BLASTER

For Large Living Room & Dining Room

Advanced Airflow Model
Comfortable in every corner even in large living rooms and unusually shaped rooms

* Announced 2012. In room air conditioner for the home (our company's investigation)

KG Series GOOD DESIGN

KM Series GOOD DESIGN

For Master Bed Room or Living Room

Good Design & Silent Model
High performance and low noise model with an emphasis on its design

NEW KM Series

For Large Room

Standard & Comfort
Optimum for large spaces by basic functions and powerful & comfortable airflow control

NEW KP Series

For Bed Room or Home Office

Standard & ECO Range Series
High performance and compact design model for compact spaces such as bed room or home office.

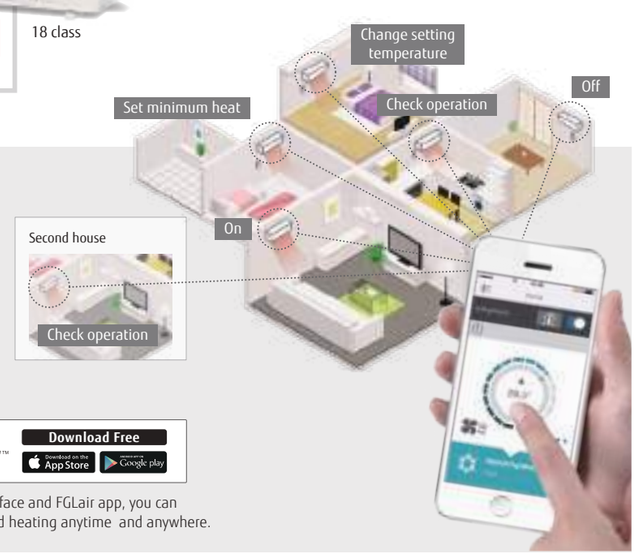
Outdoor units suitable for residential environments

R32 Multi type released

Models using the environmentally-friendly new refrigerant R32 were released. Two new wall mounted types with improved visual design were added to the indoor unit lineup.

Operation from anywhere

With a single smartphone, you can check the operating status of not only your home air conditioner, but also the air conditioners in your second house and your parental home (up to 24 air conditioners).



NEW

Wireless LAN Interface (USB)

+ FGLair™ Download Free App Store Google play

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

Light Commercial & Residential

SPLIT

Refrigerant type R32 models

Wall Mounted

Cassette

Duct

Refrigerant type R410A models

Wall Mounted

Cassette

Duct

Floor/Ceiling

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 meets various needs for from living rooms and bedrooms to stores, small offices and hotels.

Split Overview

Fujitsu General provides our customers with 6 types and 116 models air conditioning system ideal for various customer applications and layout. Environment-friendly new refrigerant R32 models are added.

nocria™X

DUAL BLASTER

Wall Mounted

Installation work is simple and easy for wall mounted type. We have pursued airflow control and energy saving including our dual side fan equipped flagship models. At the same time, their flat and simple designs that match the interior are also attractive. We have a lineup with many models that have adopted the new environmentally friendly R32 refrigerant.

* Announced 2012. In room air conditioner for the home (our company's investigation)

Cassette

Cassette type adapts to the interior. This type blows air in four directions to perform the air conditioning of entire spaces evenly. We have a variety of series including Compact models that have adopted a new design panel to match grid ceilings and Circular Flow models that deliver air in 360° directions.

Duct

The main unit of this type cannot be seen, so your interior will feel clear. We have Mini Duct and Slim Duct models available to also enable installation in narrow spaces in beams or above the ceiling. For a large model suitable for air conditioning vast spaces, multiple outlets can be installed by only one unit. Therefore, these models are recommended for unusual room layout.

Floor

Floor type with compact and slim design is suitable for installation in both residential and commercial. This model is recommended as heating device because it blows warm airflow from both above and below outlets.

Floor/Ceiling

Two types of installation method – floor installation and ceiling installation – can be selected. This model has a compact design with a width of 990 mm and a depth of just 199 mm (ceiling installation: height). This means they can handle various installation conditions.

Ceiling

Installation work is as easy as with wall mounted type. This model can be installed neatly because it has a thin design with a height of 240 mm. It delivers a powerful wind far away from a wide outlet. Therefore, this model is ideal for oblong rooms such as large meeting rooms and audiovisual rooms with depth.

Indoor Units Lineup

FUJITSU GENERAL (Euro) GmbH participates in the ECP programme for AIR CONDITIONERS. Check ongoing validity of certificate: www.eurovent-certification.com
* Models so marked are not ECC certified.

Type	Series	Refrigerant	Model	Class 7	9	12	14	18	22	24	30	36	45	54
Wall Mounted	**Flagship Range Series** nocria X	R32				ASYG12KXCA								
	Designer Range Series High Spec & Design	R32		ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB							
	Standard Range Series High Efficiency & Comfort	R32		ASYG07KMTB*	ASYG09KMTB*	ASYG12KMTB*	ASYG14KMTB*							
	Standard Range Series High Efficiency & Large Room	R32	 NEW					ASYG18KMTA		ASYG24KMTA				
	ECO Range Series Compact & Comfort	R32	 NEW	ASYG07KPCA	ASYG09KPCA	ASYG12KPCA								
	ECO Range Series Comfort for Large Room	R32						ASYG18KLCA*		ASYG24KLCA*				
Cassette	**Compact 4-way Flow Series** Compact & Comfort	R32	 NEW		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA				
	Circular Flow Series Comfort for Large Room	R32	 18/22/24  30/36/45/54 NEW					AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
Duct	**Slim Duct**	R32	 09/12/14  18 NEW		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP						
	Medium Static Pressure Duct Compact & Comfort	R32	 12/14  18/22/24/30  36/45/54 NEW			ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
	Medium Static Pressure Duct Standard	R32	 NEW						ARXG22KMLA	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	
	High Static Pressure Duct	R32	 NEW										ARXG45KHTA	ARXG54KHTA

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* Models so marked are not ECC certified.

Type	Series	Refrigerant	Model	Class 7	9	12	14	18	24	30	36	45	54	60	72	90
Wall Mounted	**Designer Range Series** High Spec & Design	R410A			ASYG09LTCA	ASYG12LTCA										
	Designer Range Series High COP			ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA									
	Standard Range Series High Efficiency & Comfort			ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE									
	Standard Range Series Comfort for Large Room							ASYG18LFCA	ASYG24LFCC	ASYG30LFCA						
										ASYG30LMTA	ASYG36LMTA					
	ECO Range Series Compact & Comfort			ASYG07LLCE	ASYG09LLCE	ASYG12LLCE										
Cassette	**Compact 4-way Flow Series** Compact & Comfort					AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLA							
	Circular Flow Series Comfort for Large Room	R410A	 18/24  30/36/45/54					AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB			
	4-way Flow Series Comfort for Large Room									AUYG30LRLE	AUYG36LRLE AUYG36LRLA	AUYG45LRLA	AUYG54LRLA			
Duct	**Mini Duct**		 12/14  18			ARYG12LSLAP*	ARYG14LSLAP*	ARYG18LSLAP*								
	Slim Duct		 12/14  18			ARYG12LLTB	ARYG14LLTB	ARYG18LLTB								
	Medium Static Pressure Duct Compact & Comfort	R410A	 12/14  18/24/30  36/45/54			ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP			
	Medium Static Pressure Duct Standard								ARYG24LMLA	ARYG30LMLE	ARYG36LMLE ARYG36LMLA	ARYG45LMLA				
	High Static Pressure Duct		 45/54  60									ARYG45LHTA	ARYG54LHTA	ARYG60LHTA		
	Big Duct														ARYG72LHTA*	ARYG90LHTA*
Floor Compact & Comfort		R410A			AGYG09LVCA	AGYG12LVCA	AGYG14LVCA									
Floor/Ceiling Comfort & Dual Design		R410A						ABYG18LVTB	ABYG24LVTA							
Ceiling Comfort for Large Room		R410A								ABYG30LRTE	ABYG36LRTE ABYG36LRTA	ABYG45LRTA	ABYG54LRTA			

Feature

High Efficiency

Optimized Inverter Control

All DC Inverter Technology

I-PAM (IPM*+PAM) inverter control

I-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform. This promotes the effective use of the input power supply to attain high performance.

IPM*: Intelligent Power Module

V-PAM (Vector + I-PAM) inverter control

V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturization, higher efficiency, and better performance are attained.

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.

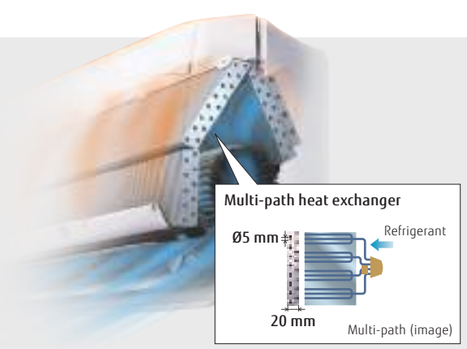
Heat Exchanger for Wall Mounted

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

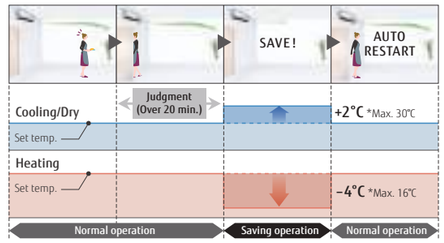
Higher performance achieved by mounting of counter type bypass circuit. (Large multi type, VRF)



High Energy Saving

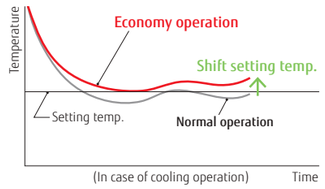
Human sensor control

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



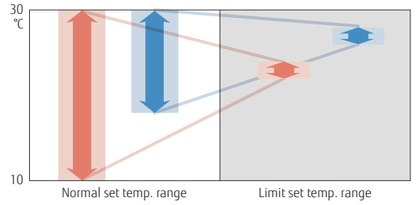
Economy operation

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



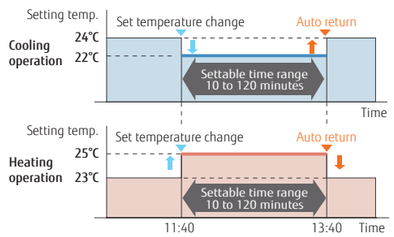
Room temperature set point limitation

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



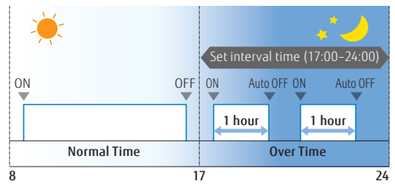
Set temperature auto return

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

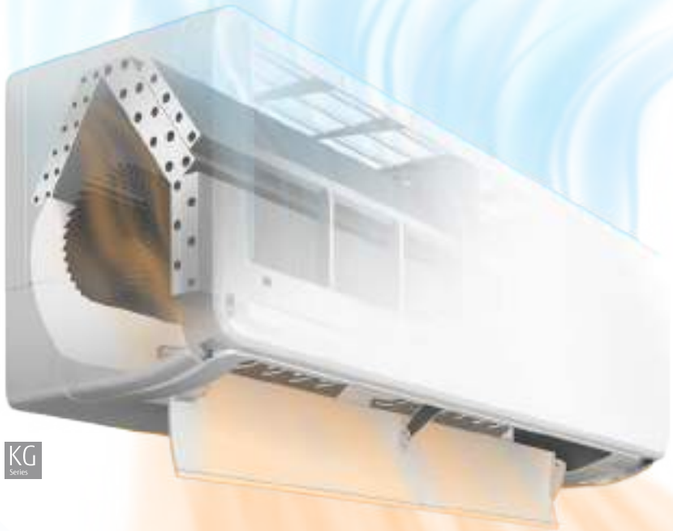


Auto-off timer

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



More Comfort



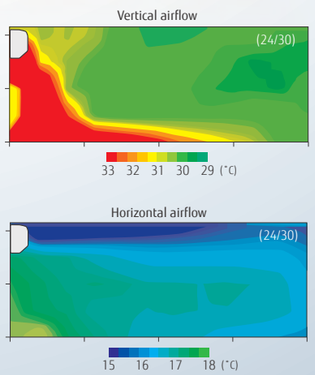
KG Series

Powerful heating

High heating capacity is realized even at low outdoor temperature by mounting a large heat exchanger or large DC rotary compressor and developing high performance inverter PCB

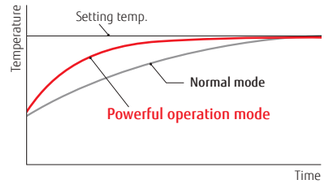
Power diffuser

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



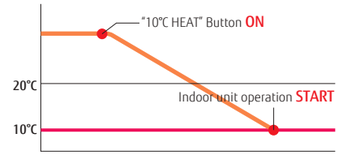
Powerful operation

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

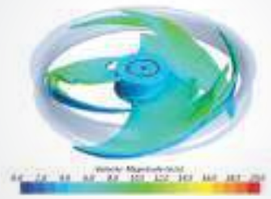
Circular airflow to achieve uniform air conditioning without temperature unevenness in workspaces

Quiet and Comfort Control

Low Noise Technology

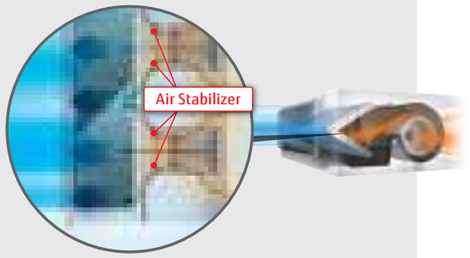
Outdoor unit fan

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



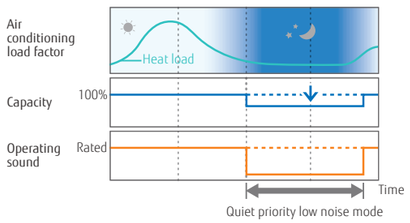
Air stabilizer in Duct

Low noise duct structure with a built-in air stabilizer



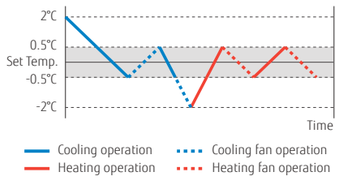
Outdoor unit low noise operation

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.

Fresh Air Intake kit

Feature Explanation

Energy Saving Function

Dual side fans
The comfortable space can be created with Hybrid Airflow, which combines different temperatures of air current and velocities.

Save human sensor
Human sensor detects the movement of people in the room and judges whether the energy saving operation.

Save & Stop human sensor
Human sensor (option) detects movement of people in the room and decides whether to save energy or stop the unit.

Economy mode
Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.

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.

Comfortable Function

Powerful heating
Keeping the rated heating capacity even when the outdoor ambient temperature is -7°C.

Power diffuser
An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.

Server room operation
Interlock operation is possible by connecting 2 indoor units even in the low temperature.

Powerful mode
Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.

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.

Low noise mode
Sound noise level of outdoor unit can be selected.

Auto-changeover
The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.

Up/down swing flaps
The up/down flaps automatically swing up and down.

Double swing automatic
Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.

Automatic fan speed
The micro-computer automatically adjusts the airflow effectively to follow the changes of room temperature.

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 fresh air duct
Outside air can be introduced by attaching Locally purchased duct to fresh air knockout and optional part.

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

Connectable distributing duct
Systems are capable of attaching Locally purchased branch ducts distributing the airflow.

Individual airflow direction control
Each louver of 4-way Cassette type can be controlled individually and provides comfortable airflow.

Convenient Function

Auto off timer
Automatically stops operation when a fixed time has elapsed from the start of operation.

Sleep timer
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.

Program timer
This digital timer allows selection of one of four options: ON, OFF, ON » OFF or OFF » ON.

Weekly timer
Different ON-OFF times can be set for each day.

Weekly + setback timer
Weekly + Setback timer can set temperature for two times spans and for each day of the week.

Filter sign
Indicates the filter cleaning period by lamp.

External error output

External ON/OFF input

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

Clean Function

Plasma air clean
The electrostatic precipitator removes dust particles such as pollens and house dust. It is washable and can be always maintained clean.

Filter auto clean
The dust collected by the air filter is automatically removed. A routine disposal of the dust stored in the dust box is necessary.

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

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

Long life filter

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

Installation

Automatic airflow adjustment
Automatically detects required airflow in each application case and adjusts the volume.

Drain pump as standard

Blue fin

All DC models

I-PAM control models
I-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform.

V-PAM control models
V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology.

Wall Mounted
Flagship Range

nocria™X

ALL DC

Dual | Save | Economy | Diffuser | Powerful | 10°C HEAT | LowNoise | Auto Changeover | Double | Adjust | Restart | Sleep | Program | LAN | Plasma | Auto

Comfortable airflow control to prevent the body from being exposed to airflow

FIRST*1 DUAL BLASTER

The comfortable space can be created with Hybrid Airflow, which combines different temperatures of air current and velocities.

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

Filter Auto Clean

FIRST*2

Dust on the filter is automatically removed to prevent power from being wasted by the clogged filter.

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

Plasma Air Clean

Air is cleaned with an electric dust collecting technology. Pollen, house dust and other tiny pollutants are collected and removed with static electricity.

Human Sensor

The Human sensor detects movement of people in a room and operates at reduced capacity when people leave the room. When people return to the room, the system automatically returns to the previous room settings.

Rank A+++ SEER 8.5 SCOP 5.1

REFRIGERANT R32

Model: ASYG12KXCA

Wireless R.C.

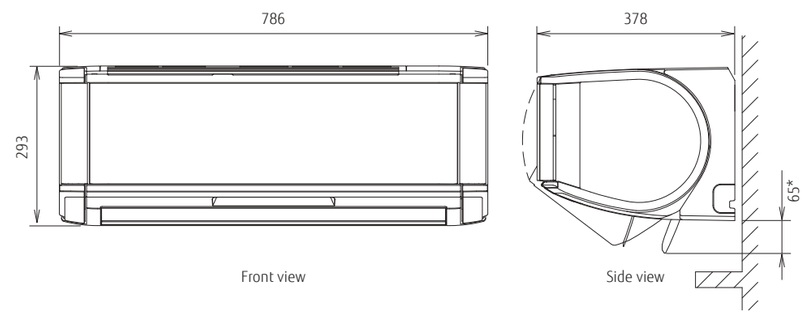
Wireless LAN Interface

Specifications

Model No.	Indoor unit			ASYG12KXCA
	Outdoor unit			AOYG12KXCA
Power Source				Single-phase, ~230V, 50Hz
Capacity	Cooling		kW	3.4 (0.6-5.3)
	Heating			5.0 (0.6-9.0)
Input Power	Cooling/Heating		kW	0.670/1.020
EER	Cooling		W/W	5.09
COP	Heating			4.90
Pdesign	Cooling/Heating(-10°C)		kW	3.4/3.5
SEER	Cooling		W/W	8.50
SCOP	Heating (Average)			5.10
Energy Efficiency Class	Cooling			A+++
	Heating (Average)			A+++
Max. Operating Current	Cooling/Heating		A	9.0/16.0
Annual Energy Consumption	Cooling		kWh/a	140
	Heating			961
Moisture Removal			l/h	1.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	46/42/38/28
	Indoor (Heating)	H/M/L/Q		48/43/39/30
	Outdoor(Cooling/Heating)	High		44/43
Sound Power Level	Indoor(Cooling/Heating)	High		58/62
	Outdoor(Cooling/Heating)	High		57/57
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	670/2,230
	Indoor / Outdoor (Heating)			810/1,975
Net Dimensions H x W x D	Indoor		mm	293×786×378
	Outdoor		mm	704×820×315
Weight	Indoor		kg(lbs)	20 (44)
	Outdoor		kg(lbs)	41 (90)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52
Drain hose Diameter (I.D./O.D.)				13.8 / 15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	15 (15)
Max Height Difference				10
Operation Range	Cooling		°CDB	-10 to 43
	Heating			-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)
	Charge		kg(CO2eq-T)	1.30 (0.9)

Dimensions

(Unit : mm)



Front view

Side view

*Dimensions in case of air flowing downward

Wall Mounted

Designer Range

High Spec & Design

REFRIGERANT R32

GOOD DESIGN

ALL DC

Save | Economy | Powerful | 10°C HEAT | Low Noise | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Weekly | Filter

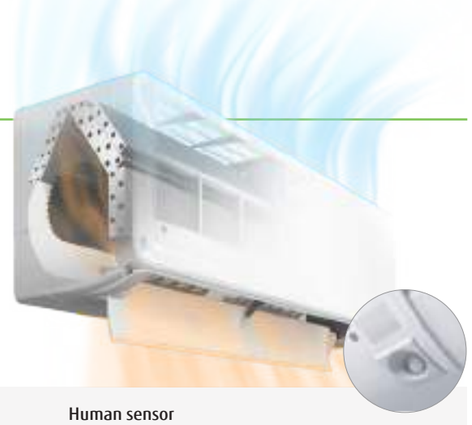
High energy saving

Top class high efficiency is achieved by high efficient lamda heat exchanger, large cross flow fan and new refrigerant.

Rank A+++ *1

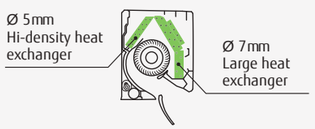
SEER 8.5 *1 SCOP 5.1 *1

*1: 07, 09, 12 models



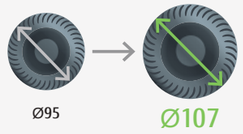
Hybrid-heat exchanger

The heat exchange efficiency has been significantly improved with the large hybrid heat exchanger, attaining the top-level SEER and SCOP.



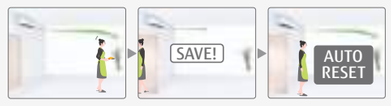
Ø107 Large cross-flow fan

With the large-diameter fan, efficient air volume can be obtained at low power.



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.



Comfortable airflow & Silent operation

The big louver and the new air blowing structure have attained a comfortable air flow that spreads wider to user's feet and silent operation.

19dB(A)
(07/09/12 models)
Cooling only

Smart device Control (Option)

Easy air conditioner control from inside or outside the house and office using the Smartphones, Tablets, and PC.

Wireless LAN Interface

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

REFRIGERANT R32

Model: ASYG07KGTB / ASYG09KGTB / ASYG12KGTB / ASYG14KGTB

Wireless R.C.

Specifications

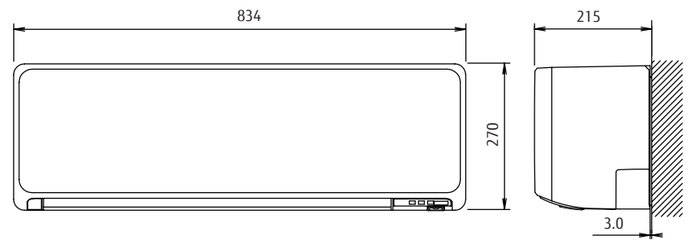
Model No.	Indoor unit			ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB
	Outdoor unit			AOYG07KGCA	AOYG09KGCA	AOYG12KGCA	AOYG14KGCA
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	2.0	2.5	3.4	4.2
	Heating			2.5	2.8	4.0	5.4
Input Power	Cooling/Heating		kW	0.400/0.500	0.555/0.560	0.805/0.910	1.175/1.350
EER	Cooling		W/W	5.00	4.50	4.22	3.57
COP	Heating			5.00	5.00	4.40	4.00
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		W/W	8.52	8.52	8.51	7.11
SCOP	Heating (Average)			5.12	5.11	5.10	4.31
Energy Efficiency Class	Cooling			A+++	A+++	A+++	A++
	Heating (Average)			A+++	A+++	A+++	A+
Max. Operating Current	Cooling/Heating		A	6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		kWh/a	82	103	140	207
	Heating			628	658	685	1,298
Moisture Removal			l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38/33/29/19	40/34/29/19	40/35/30/19	43/36/30/20
	Indoor (Heating)	H/M/L/Q		41/35/31/21	42/36/31/21	42/38/33/21	44/39/33/24
	Outdoor(Cooling/Heating)	High		46/46	46/48	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		54/56	55/57	56/58	57/59
	Outdoor(Cooling/Heating)	High		61/62	61/63	65/66	65/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	650/1,610	700/1,610	700/1,680	770/1,680
	Indoor / Outdoor (Heating)	High		720/1,560	750/1,610	770/1,580	800/1,580
Net Dimensions H x W x D	Indoor		mm	270×834×215	270×834×215	270×834×215	270×834×215
	Outdoor		mm	542×799×290	542×799×290	542×799×290	542×799×290
Weight	Indoor		kg(lbs)	10 (22)	10 (22)	10 (22)	10 (22)
	Outdoor		kg(lbs)	30 (66)	30 (66)	31 (68)	32 (70)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52			
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7			
Max Pipe Length (Pre-Charge)			m	20 (15)			
Max Height Difference				15			
Operation Range	Cooling		°CDB	-10 to 46			
	Heating			-15 to 24			
Refrigerant	Type (Global Warming Potential)			R32 (675)			
	Charge		kg(CO2eq-T)	0.75 (0.5)	0.75 (0.5)	0.85 (0.6)	0.85 (0.6)

Optional parts

Wired Remote Controller: UTY-RNRYZ3, UTY-RLRY
Simple Remote Controller: UTY-RSRY, UTY-RHRY
External Input and Output PCB: UTY-XCSXZ2
Communication kit: UTY-TWRXZ2
Wireless LAN Interface: UTY-TFSXW1
External connect kit: UTY-XWZX

Dimensions

(Unit : mm)



Wall Mounted

Standard Range

High Efficiency & Comfort

REFRIGERANT R32

GOOD DESIGN

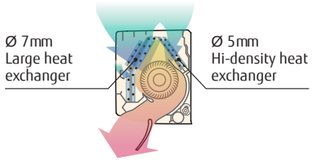
ALL DC

Economy | Powerful | 10°C HEAT | LowNoise | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Filter

Slim & stylish square design

Slim and stylish square design is realized by high density multi-path heat exchanger and high efficiency wind blower.

Hybrid-heat exchanger



High energy saving

Top class high efficiency is achieved by high efficient lamda heat exchanger, large cross flow fan and new refrigerant.

Rank *1
Cooling A++
Heating A+

SEER 7.4 *1

SCOP 4.4 *2

*1: 07/09 models

*2: 12 model

Comfortable airflow & Silent operation

The big louver and the new air blowing structure have attained a comfortable air flow that spreads wider to user's feet and silent operation.

20dB(A)
Cooling only

Smart device Control (Option)

Easy air conditioner control from inside or outside the house and office using the Smartphones, Tablets, and PC.

Wireless LAN Interface

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

REFRIGERANT R32

Model: ASYG07KMTB / ASYG09KMTB / ASYG12KMTB / ASYG14KMTB

Wireless R.C.

For ASYG07/09/12KMTB

For ASYG14KMTB

Specifications

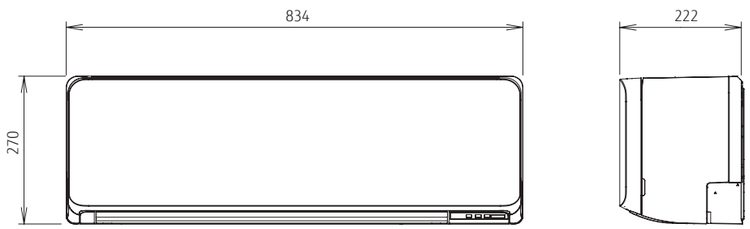
Model No.	Indoor unit			ASYG07KMTB	ASYG09KMTB	ASYG12KMTB	ASYG14KMTB
	Outdoor unit			AOYG07KMTA	AOYG09KMTA	AOYG12KMTA	AOYG14KMTA
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)
	Heating			2.5 (0.9-3.4)	2.8 (0.9-4.0)	4.0 (0.9-5.3)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		kW	0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
EER	Cooling		W/W	4.43	3.97	3.65	3.44
COP	Heating			4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		W/W	7.40	7.40	7.30	6.90
SCOP	Heating (Average)			4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling			A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling		kWh/a	95	118	163	213
	Heating			785	819	795	1367
Moisture Removal			l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
	Outdoor(Cooling/Heating)	High		46/46	46/46	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		54/56	55/57	55/58	57/59
	Outdoor(Cooling/Heating)	High		61/61	61/62	65/65	65/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	650/1,650	700/1,650	700/1,700	770/1,680
	Indoor / Outdoor (Heating)	High		720/1,450	750/1,450	770/1,470	800/1,580
Net Dimensions H x W x D	Indoor		mm	270×834×222	270×834×222	270×834×222	270×834×222
	Outdoor		mm	541×663×290	541×663×290	541×663×290	542×799×290
Weight	Indoor		kg(lbs)	10 (22)	10 (22)	10 (22)	10 (22)
	Outdoor		kg(lbs)	23 (51)	23 (51)	25 (55)	31 (68)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15	15
Operation Range	Cooling		°CDB	-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
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
External connect kit: UTY-XWZXZ5
Communication kit: UTY-TWBXF2
Wireless LAN Interface: UTY-TFSXW1

Dimensions

(Unit : mm)



NEW

Wall Mounted

Standard Range

High Efficiency & Large Room

REFRIGERANT R32

ALL DC

Economy · Powerful · 10°C HEAT · Low Noise · Auto Changeover · Up/Down · Double · Adjust · Restart · Sleep · Program · Weekly · Filter · ION · AF · Washable

High energy saving

Top class high efficiency is achieved by high efficient lamda heat exchanger, large cross flow fan and new refrigerant.

Rank*1 Cooling A++ Heating A+

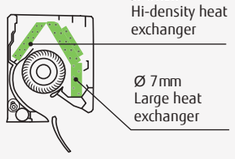
SEER 7.7*1

SCOP 4.5*1

*1: 18 model

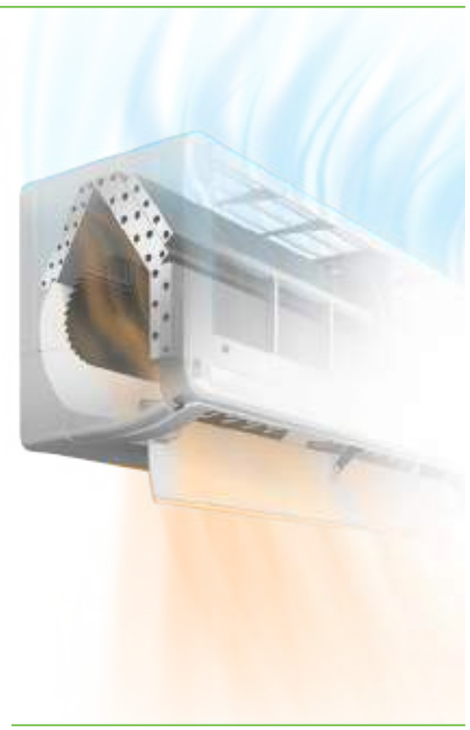
Hybrid-heat exchanger

The heat exchange efficiency has been significantly improved with the large hybrid heat exchanger, attaining the top-level SEER and SCOP.



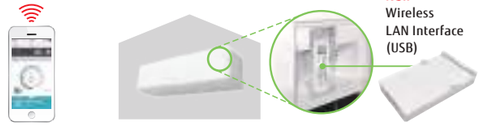
Ø107 Large cross-flow fan

With the large-diameter fan, efficient air volume can be obtained at low power.



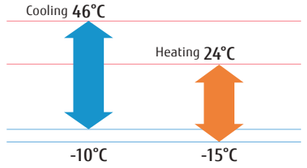
Smart device Control (Option)

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.



Low ambient operation

-15°C at Heating



Model: ASYG18KMTA / ASYG24KMTA

For ASYG18KMTA

For ASYG24KMTA

Specifications

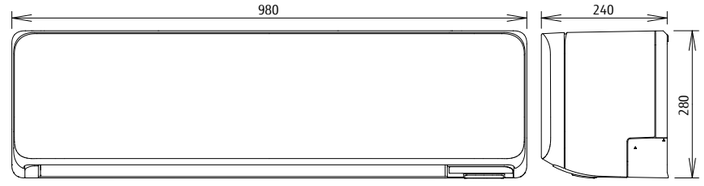
Model No.	Indoor unit			ASYG18KMTA	ASYG24KMTA
	Outdoor unit			AOYG18KMTA	AOYG24KMTA
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	5.2(0.9-6.0)	7.1(0.9-8.3)
	Heating			6.3(0.9-8.7)	8.0(0.9-10.1)
Input Power	Cooling/Heating		kW	1.39/1.56	2.08/1.91
EER	Cooling		W/W	3.74	3.41
COP	Heating			4.04	4.19
Pdesign	Cooling/Heating(-10°C)		kW	5.2/4.8	7.1/7.1
SEER	Cooling		W/W	7.77	7.28
SCOP	Heating (Average)			4.56	4.18
Energy Efficiency Class	Cooling			A++	A++
	Heating (Average)			A+	A+
Max. Operating Current	Cooling/Heating		A	9.5/13.5	13.5/16.0
Annual Energy Consumption	Cooling		kWh/a	234	341
	Heating			1,472	2,372
Moisture Removal			l/h	1.3	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/40/35/29	49/40/35/29
	Indoor (Heating)	H/M/L/Q		46/40/35/29	49/40/35/29
	Outdoor(Cooling/Heating)	High		50/50	54/52
Sound Power Level	Indoor(Cooling/Heating)	High		60/61	65/65
	Outdoor(Cooling/Heating)	High		65/65	67/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	980/2,346	1,170/3,240
	Indoor / Outdoor (Heating)	High		1,020/2,100	1,170/2,820
Net Dimensions H x W x D	Indoor		mm	280 × 980 × 240	280 × 980 × 240
	Outdoor		mm	632 × 799 × 290	716 × 820 × 315
Weight	Indoor		kg(lbs)	12.5	12.5
	Outdoor		kg(lbs)	36(79)	42(93)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35 / 12.70	6.35 / 12.70
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	25(15)	30(15)
Max Height Difference				20	25
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	1.02(0.689)	1.32(0.891)

Optional parts

Wired Remote Controller:	UTY-RNRYZ3, UTY-RLRY
Simple Remote Controller:	UTY-RSRY, UTY-RHRY
External input and output PCB:	UTY-XCSXZ2
External connect kit:	UTY-XWZXZ5
Communication kit:	UTY-TWRXZ2
Wireless LAN Interface:	UTY-TFSXF2

Dimensions

(Unit : mm)



NEW

Wall Mounted

ECO Range

Compact & Comfort

ALL DC

Economy | Powerful | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Filter | Washable

Slim & stylish square design

Slim and stylish square design is realized by high density multi-path heat exchanger and high efficiency wind blower.

High energy saving

Top class high efficiency is achieved by high efficient lamda heat exchanger, large cross flow fan and new refrigerant.

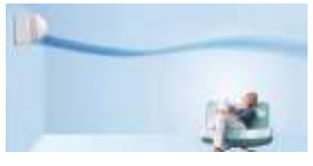
Rank *1
Cooling A++
Heating *2 A+

SEER 6.7 *1
*1:07/09 models

SCOP 4.1 *2
*2: 12 model

Comfortable airflow & Silent operation

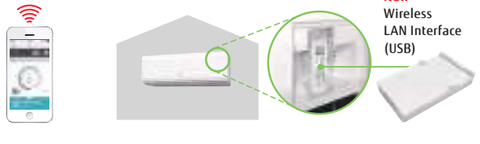
The big louver and the new air blowing structure have attained a comfortable air flow that spreads wider to user's feet and silent operation.



22dB(A)
Cooling only

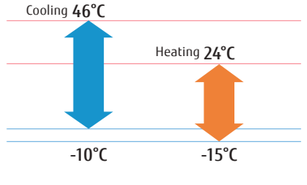
Smart device Control (Option)

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.



Low ambient operation

-15°C
at Heating



REFRIGERANT R32

Model: ASYG07KPCA / ASYG09KPCA / ASYG12KPCA

Wireless R.C.

Specifications

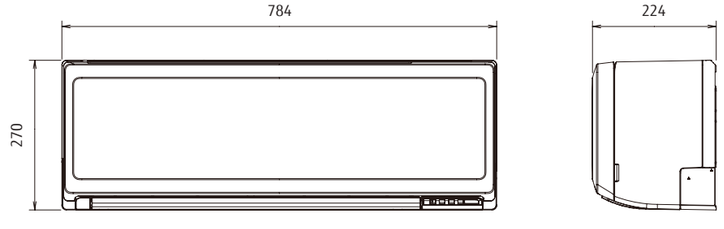
Model No.	Indoor unit			ASYG07KPCA	ASYG09KPCA	ASYG12KPCA
	Outdoor unit			AOYG07KPCA	AOYG09KPCA	AOYG12KPCA
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	2.0 (0.9-2.8)	2.5 (0.9-3.0)	3.4 (0.9-3.7)
	Heating			2.5 (0.9-3.4)	2.8 (0.9-3.8)	3.8 (0.9-4.8)
Input Power	Cooling/Heating		kW	0.48/0.63	0.71/0.79	1.00/1.14
EER	Cooling		W/W	4.17	3.52	3.40
COP	Heating			3.97	3.54	3.33
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.2	2.5/2.4	3.4/2.5
SEER	Cooling		W/W	6.70	6.70	6.30
SCOP	Heating (Average)			4.00	4.00	4.10
Energy Efficiency Class	Cooling			A++	A++	A++
	Heating (Average)			A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling		kWh/a	104	131	189
	Heating			769	840	853
Moisture Removal			l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/38/31/22	45/38/31/22	46/40/33/22
	Indoor (Heating)	H/M/L/Q		45/40/36/26	45/40/36/26	46/40/35/27
	Outdoor(Cooling/Heating)	High		45/46	47/47	49/51
Sound Power Level	Indoor(Cooling/Heating)	High		57/58	57/58	59/59
	Outdoor(Cooling/Heating)	High		57/58	59/59	62/62
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	630/1,650	630/1,650	630/1,700
	Indoor / Outdoor (Heating)	High		630/1,450	630/1,450	630/1,470
Net Dimensions H x W x D	Indoor		mm	270x784x224	270x784x224	270x784x224
	Outdoor		mm	541x663x290	541x663x290	541x663x290
Weight	Indoor		kg(lbs)	8(18)	8(18)	8(18)
	Outdoor		kg(lbs)	23 (51)	23 (51)	25 (55)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	0.55 (0.371)	0.55 (0.371)	0.59 (0.398)

Optional parts

Wireless LAN Interface: UTY-TFSXF2
Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



Wall Mounted

ECO Range

Comfort for Large Room

REFRIGERANT R32

ALL DC

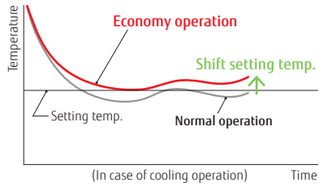
Economy · Powerful · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Filter · Washable

Narrow width & Compact Design

High performance and compact design model. Powerful airflow is realized despite 790 mm width compact design for compact spaces such as bed room or home office.

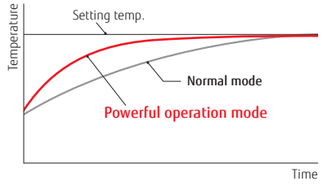
Economy operation

Setting temperature is shifted by 1°C automatically. Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.



Powerful operation

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

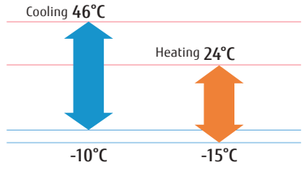


ON-OFF Programmable timer

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)

Low ambient operation

-15°C
at Heating



REFRIGERANT R32

Model: ASYG18KLCA / ASYG24KLCA

Wireless R.C.

For ASYG18KLCA

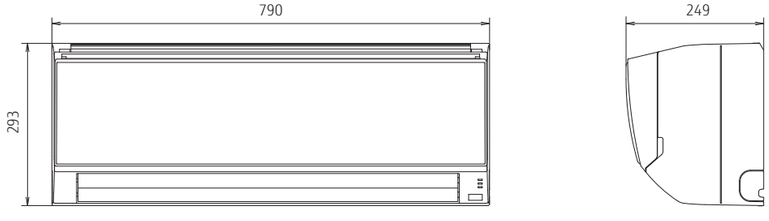
For ASYG24KLCA

Specifications

Model No.	Indoor unit			ASYG18KLCA	ASYG24KLCA
	Outdoor unit			AOYG18KLTA	AOYG24KLTA
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	5.2(0.9~5.5)	7.1(0.9~7.7)
	Heating			6.3(0.6~7.67)	8.0(0.9~9.0)
Input Power	Cooling/Heating		kW	1.685/1.80	2.42/2.225
EER	Cooling		W/W	3.09	2.93
COP	Heating			3.50	3.60
Pdesign	Cooling/Heating(-10°C)		kW	5.20/4.80	7.10/7.10
SEER	Cooling		W/W	7.20	7.10
SCOP	Heating (Average)			4.30	4.00
Energy Efficiency Class	Cooling			A++	A++
	Heating (Average)			A+	A+
Max. Operating Current	Cooling/Heating		A	9.5/13.5	13.5/17.5
Annual Energy Consumption	Cooling		kWh/a	253	350
	Heating			1563	2485
Moisture Removal			l/h	1.9	3.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	47/44/40/35	51/45/38/33
	Indoor (Heating)	H/M/L/Q		50/45/41/37	52/45/41/37
	Outdoor(Cooling/Heating)	High		50/56	55/57
Sound Power Level	Indoor(Cooling/Heating)	High		60/65	64/65
	Outdoor(Cooling/Heating)	High		61/66	65/67
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	865/1,830	1,040/2,885
	Indoor / Outdoor (Heating)	High		995/2,265	1,040/3,030
Net Dimensions H x W x D	Indoor		mm	293×790×249	293×790×249
	Outdoor		mm	542×799×290	632×799×290
Weight	Indoor		kg(lbs)	9.5 (21)	10.0 (22)
	Outdoor		kg(lbs)	33 (73)	38 (84)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/12.70
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	25 (15)	30 (15)
Max Height Difference				20	25
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32(675)	R32(675)
	Charge		kg(CO2eq-T)	0.85(0.574)	1.10(0.743)

Dimensions

(Unit : mm)



Wall Mounted

Designer Range

High Spec & Design

REFRIGERANT R410A

reddot design award winner 2012

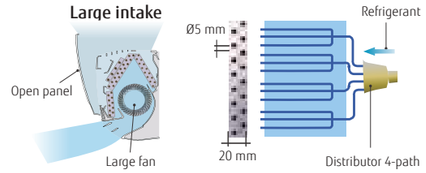
ALL DC i-PAM

Save | Economy | Heating | Powerful | 10°C HEAT | Low Noise | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Weekly | Filter | ION | AF

Thin & Slim design

Thin and slim design is realized by high density multi-path heat exchanger and high efficiency wind blower.

Big open panel and High density multi path heat exchanger

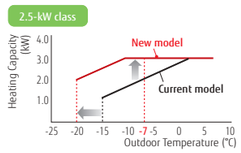


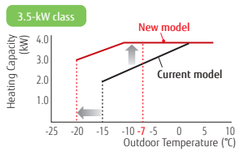
Human sensor

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.

Powerful heating

Rated heating capacity is maintained up to an outdoor temperature lower than -7 °C. This new model can operate even at -20 °C low outdoor temperature.



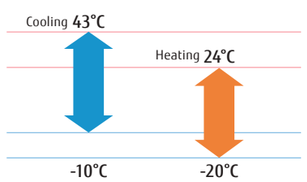


3 Mode timer (Weekly/Program/Sleep)

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

Low ambient operation

-20°C at Heating



Model: ASYG09LTCA / ASYG12LTCA

Wireless R.C.

For ASYG09LTCA

For ASYG12LTCA

Specifications

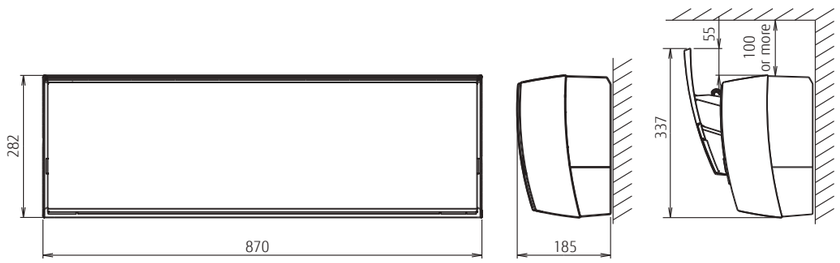
Model No.	Indoor unit			ASYG09LTCA	ASYG12LTCA
	Outdoor unit			AOYG09LTC	AOYG12LTC
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	2.5 (0.9-3.5)	3.5 (1.1-4.0)
	Heating			3.2 (0.9-5.4)	4.0 (0.9-6.5)
Input Power	Cooling/Heating		kW	0.505/0.660	0.850/0.910
EER	Cooling		W/W	4.95	4.12
COP	Heating			4.85	4.40
Pdesign	Cooling/Heating(-10°C)		kW	2.5/3.0	3.5/4.0
SEER	Cooling		W/W	8.50	8.50
SCOP	Heating (Average)			4.60	4.60
Energy Efficiency Class	Cooling			A+++	A+++
	Heating (Average)			A++	A++
Max. Operating Current	Cooling/Heating		A	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		kWh/a	103	144
	Heating			912	1,217
Moisture Removal			l/h	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	42/36/32/21	43/37/32/21
	Indoor (Heating)	H/M/L/Q		42/37/32/21	43/38/32/21
	Outdoor(Cooling/Heating)	High		48/50	48/49
Sound Power Level	Indoor(Cooling/Heating)	High		59/61	60/62
	Outdoor(Cooling/Heating)	High		63/65	64/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	800/1,700	850/2,050
	Indoor / Outdoor (Heating)	High		800/1,700	850/2,000
Net Dimensions H x W x D	Indoor		mm	282×870×185	282×870×185
	Outdoor		mm	540×790×290	620×790×290
Weight	Indoor		kg(lbs)	9.5 (21)	9.5 (21)
	Outdoor		kg(lbs)	33 (73)	40 (88)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)
Max Height Difference				15	15
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43
	Heating			-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.05 (2.2)	1.20 (2.5)

Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
Communication kit: UTY-TWBXF2
Wireless LAN Interface: UTY-TFNXZ1
External Connect Kit: UTY-XWZXZ5

Dimensions

(Unit : mm)



Wall Mounted

Designer Range

High COP

REFRIGERANT R410A

reddot design award winner 2012

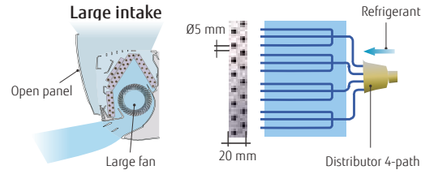
ALL DC i-PAM

Economy | Powerful | 10°C HEAT | Low Noise | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Weekly | Filter | ION | AF

Thin & Slim design

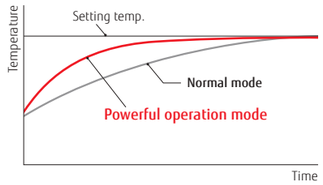
Thin and slim design is realized by Ø5 mm heat exchanger and high efficiency wind blower.

Big open panel and High density multi path heat exchanger



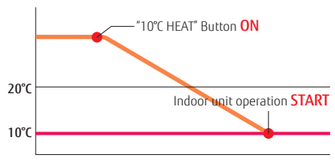
Powerful operation

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



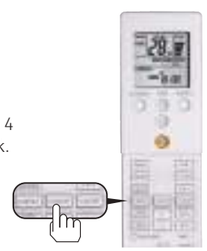
10°C HEAT Operation

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.
*Only available with Wireless RC.



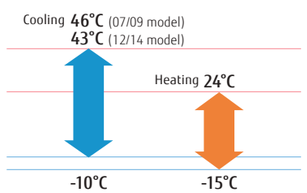
3 Mode timer (Weekly/Program/Sleep)

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



Low ambient operation

-15°C at Heating



Model: ASYG07LUCA / ASYG09LUCA / ASYG12LUCA / ASYG14LUCA

Wireless R.C.

For ASYG07/09LUCA

For ASYG12/14LUCA

Specifications

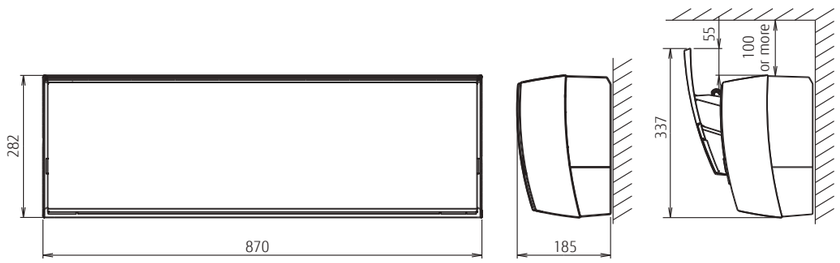
Model No.	Indoor unit			ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
	Outdoor unit			AOYG07LUCA	AOYG09LUCB	AOYG12LUC	AOYG14LUC
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating			3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		kW	0.460/0.740	0.555/0.680	0.905/0.930	1.235/1.380
EER	Cooling		W/W	4.35	4.50	3.87	3.40
COP	Heating			4.05	4.71	4.30	3.91
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.6	2.5/2.8	3.5/3.9	4.2/4.8
SEER	Cooling		W/W	7.20	7.10	7.05	6.78
SCOP	Heating (Average)			4.02	4.10	4.00	4.00
Energy Efficiency Class	Cooling			A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		kWh/a	97	123	174	217
	Heating			887	956	1363	1677
Moisture Removal			l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
	Indoor (Heating)	H/M/L/Q		38/35/31/21	42/37/32/21	43/38/32/21	45/40/34/27
	Outdoor(Cooling/Heating)	High		46/46	48/48	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		57/59	59/61	60/62	60/64
	Outdoor(Cooling/Heating)	High		58/58	60/60	65/65	65/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	680/1,720	800/1,720	850/1,940	900/1,940
	Indoor / Outdoor (Heating)	High		710/1,510	800/1,510	850/1,700	950/1,700
Net Dimensions H x W x D	Indoor		mm	282×870×185	282×870×185	282×870×185	282×870×185
	Outdoor		mm	540×660×290	540×660×290	540×790×290	540×790×290
Weight	Indoor		kg(lbs)	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
	Outdoor		kg(lbs)	23 (51)	25 (55)	33 (73)	34 (75)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15	15
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 43	-10 to 43
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	0.70 (1.5)	0.85 (1.8)	1.05 (2.2)	1.05 (2.2)

Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
Communication kit: UTY-TWBXF2
Wireless LAN Interface: UTY-TFNXZ1
External Connect Kit: UTY-XWZXZ5

Dimensions

(Unit : mm)



Wall Mounted

Standard Range

High Efficiency & Comfort

REFRIGERANT R410A

ALL DC i-PAM

Economy | Diffuser | Powerful | 10°C HEAT | LowNoise | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Filter | ION | AF | Washable

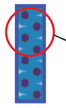
High efficient compact design

High density heat exchanger

Making the tube thin:

7 mm→5 mm

Increase of heat exchanger volume by high density and adopting sub heat exchanger

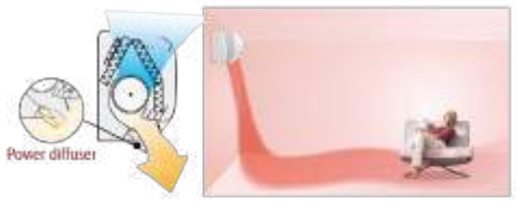


Even temperature

↓

Improved heat exchanger effectiveness

More comfort airflow

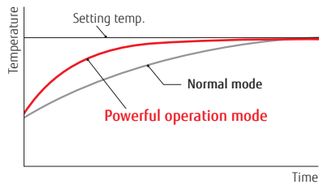


Vertical airflow provides powerful floor level heating

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

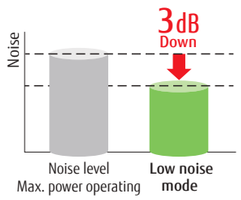
Powerful operation

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



Low noise mode for outdoor unit

Low noise mode of outdoor unit can be selected by wireless remote controller.



Model: ASYG07LMCE / ASYG09LMCE / ASYG12LMCE / ASYG14LMCE

Wireless R.C.

For ASYG07/09/12LMCE

For ASYG14LMCE

Specifications

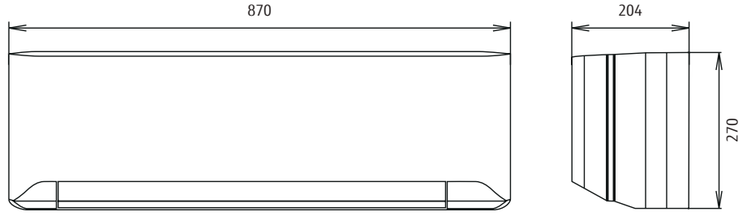
Model No.	Indoor unit			ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
	Outdoor unit			AOYG07LMCE	AOYG09LMCE	AOYG12LMCE	AOYG14LMCE
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	2.0(0.5-3.0)	2.5(0.5-3.2)	3.4(0.9-3.9)	4.0(0.9-4.4)
	Heating			3.0(0.5-3.4)	3.2(0.5-4.0)	4.0(0.9-5.3)	5.0(0.9-6.0)
Input Power	Cooling/Heating		kW	0.465/0.685	0.65/0.73	0.97/1.02	1.135/1.365
EER	Cooling		W/W	4.30	3.85	3.50	3.52
COP	Heating			4.38	4.38	3.92	3.66
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.3	2.5/2.4	3.4/3.5	4.0/3.9
SEER	Cooling		W/W	6.80	7.00	7.00	6.90
SCOP	Heating (Average)			4.10	4.10	4.00	4.00
Energy Efficiency Class	Cooling			A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		kWh/a	103	125	170	203
	Heating			786	820	1,225	1,365
Moisture Removal			l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/40/32/21	43/40/32/21	43/40/32/21	44/40/33/25
	Indoor (Heating)	H/M/L/Q		43/38/33/22	43/38/33/22	43/38/33/22	44/40/35/27
	Outdoor(Cooling/Heating)	High		45/45	45/45	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		59/59	59/59	59/59	60/60
	Outdoor(Cooling/Heating)	High		58/56	58/56	61/61	65/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	750/1,670	750/1,670	750/1,830	770/1,940
	Indoor / Outdoor (Heating)	High		750/1,470	750/1,470	750/1,600	770/1,700
Net Dimensions H x W x D	Indoor		mm	270×870×204	270×870×204	270×870×204	270×870×204
	Outdoor		mm	535×663×293	535×663×293	535×663×293	540×790×290
Weight	Indoor		kg(lbs)	8.5(19)	8.5(19)	8.5(19)	8.5(19)
	Outdoor		kg(lbs)	21(46)	21(46)	26(57)	34(75)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20(15)	20(15)	20(15)	20(15)
Max Height Difference				15	15	15	15
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A(2,088)	R410A(2,088)	R410A(2,088)	R410A(2,088)
	Charge		kg(CO2eq-T)	0.70 (1.5)	0.70 (1.5)	0.85 (1.8)	1.05 (2.2)

Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM
Simple Remote Controller:	UTY-RSNYM
Communication kit:	UTY-XCBXZ2
Wireless LAN Interface:	UTY-TFNXZ1
External Connect kit	UTY-XWZXZ5

Dimensions

(Unit : mm)



Wall Mounted

Standard Range

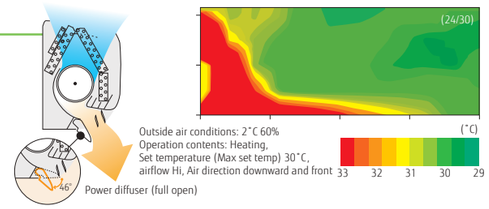
Comfort for Large Room

REFRIGERANT R410A

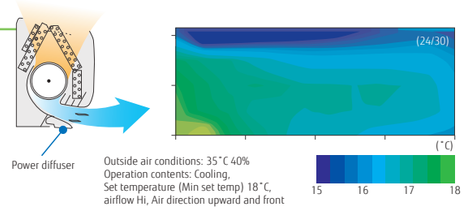
ALL DC (18/30) i-PAM V-PAM (24)

Economy, Diffuser, 10°C HEAT, Auto Changeover, Double, Adjust, Restart, Sleep, Program, Filter, ION, AF, Washable, Blue Fin (30)

"Vertical airflow" provides powerful floor level heating



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



Air conditioner filter features

Using different filters at both sides

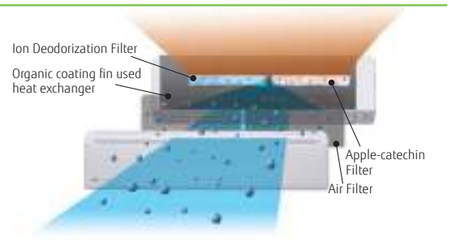
ION + AF

Ion Deodorization Filter

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

Apple-catechin Filter

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

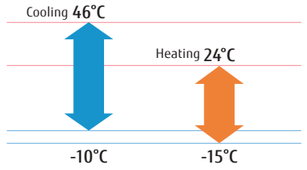


Flexible Installation

	18 model	24 model	30 model
Max. Piping Length	25 m	30 m	50 m
Max. Height	20 m	20 m	30 m

Low ambient operation

-15°C at Heating



Model: ASYG18LFCA / ASYG24LFCC / ASYG30LFCA

Wireless R.C.

For ASYG18LFCA, ASYG24LFCC

For ASYG30LFCA

Specifications

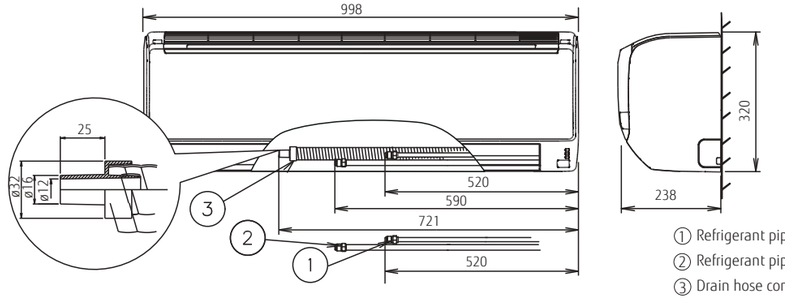
Model No.	Indoor unit			ASYG18LFCA	ASYG24LFCC	ASYG30LFCA
	Outdoor unit			AOYG18LFC	AOYG24LFCC	AOYG30LFT
Power Source					Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	5.2 (0.9-6.0)	7.1 (0.9-8.0)	8.0 (2.9-9.0)
	Heating			6.3 (0.9-9.1)	8.0 (0.9-10.6)	8.8 (2.2-11.0)
Input Power	Cooling/Heating		kW	1.52/1.71	2.20/2.21	2.49/2.44
EER	Cooling		W/W	3.42	3.23	3.21
COP	Heating			3.68	3.61	3.61
Pdesign	Cooling/Heating(-10°C)		kW	5.2/5.9	7.1/7.1	8.0/8.0
SEER	Cooling		W/W	6.94	6.11	5.69
SCOP	Heating (Average)			3.87	3.80	3.80
Energy Efficiency Class	Cooling			A++	A++	A+
	Heating (Average)			A	A	A
Max. Operating Current	Cooling/Heating		A	9.0/12.5	13.5/18.5	17.0/19.0
Annual Energy Consumption	Cooling		kWh/a	262	406	492
	Heating			2,130	2,610	2,941
Moisture Removal			l/h	2.6	2.7	3.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/37/33/26	49/42/37/32	48/42/37/33
	Indoor (Heating)	H/M/L/Q		42/37/33/25	48/42/37/32	49/42/37/33
	Outdoor(Cooling/Heating)	High		50/51	55/56	53/56
Sound Power Level	Indoor(Cooling/Heating)	High		58/58	64/64	64/64
	Outdoor(Cooling/Heating)	High		65/-	68/-	68/-
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	900/2,150	1,120/2,460	1,100/3,600
	Indoor / Outdoor (Heating)	High		900/2,070	1,120/2,340	1,150/3,600
Net Dimensions H x W x D	Indoor		mm	320×998×238	320×998×238	320×998×238
	Outdoor		mm	620×790×290	620×790×290	830×900×330
Weight	Indoor		kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor		kg(lbs)	41 (90)	41 (90)	61 (135)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.70	6.35/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				12/16	12/16	12/16
Max Pipe Length (Pre-Charge)			m	25 (15)	30 (15)	50 (20)
Max Height Difference				20	20	30
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.20 (2.5)	1.80 (3.8)	2.1 (4.4)

Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
Wireless LAN Interface: UTY-TFNXZ1
External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)



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

Wall Mounted

Standard Range

Comfort for Large Room

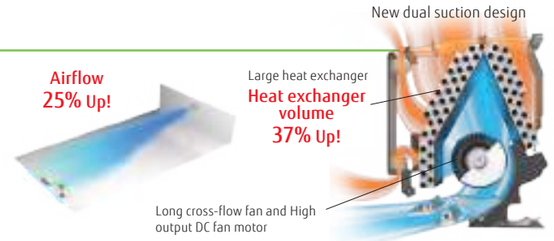
REFRIGERANT R410A

ALL DC V V-PAM

Save | Economy | Powerful | Sever Room | 10°C HEAT | Low Noise | Auto Changeover | Double | Adjust | Restart | Sleep | Program | Weekly | Filter | 10N | AF | Washable | Blue Fin

Large Capacity & Powerful airflow

Achieved large capacity and powerful airflow by large heat exchanger, long cross-flow fan, high output DC fan motor and new airflow structure design.

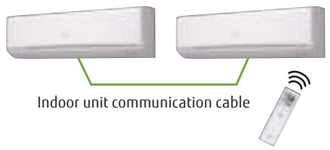


Human sensor

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.

Server room function*

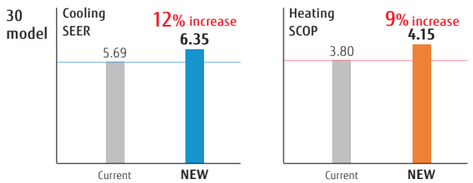
The following interlock operation is possible by connecting 2 indoor units with a cable. Cooling operation can be performed even in the low outdoor temperature and low humidity environment.



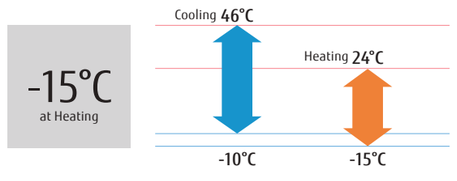
- **Alternative operation:** Two units operate alternately
- **Backup operation:** When 1 unit breaks down, the other unit starts operating automatically.
- **Supporting operation:** Both units operate simultaneously when the loaded capacity is not enough with one unit

*2 x UTY-XWNX of optional parts are required.

High seasonal energy efficiency



Low ambient operation



Model: ASYG30LMTA / ASYG36LMTA

Wireless R.C.

Specifications

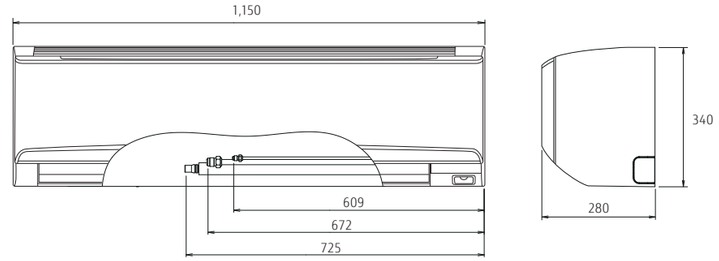
Model No.	Indoor unit			ASYG30LMTA	ASYG36LMTA
	Outdoor unit			AOYG30LMTA	AOYG36LMTA
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	8.0 (2.9-9.0)	9.4 (2.9-10.0)
	Heating			8.8 (2.2-11.0)	10.1 (2.7-11.2)
Input Power	Cooling/Heating		kW	2.33/2.41	3.16/2.96
EER	Cooling		W/W	3.43	2.97
COP	Heating			3.65	3.41
Pdesign	Cooling/Heating(-10°C)		kW	8.0/6.5	9.4/7.1
SEER	Cooling		W/W	6.35	5.73
SCOP	Heating (Average)			4.15	4.19
Energy Efficiency Class	Cooling			A++	A+
	Heating (Average)			A+	A+
Max. Operating Current	Cooling/Heating		A	14.5/14.5	19.0/19.0
Annual Energy Consumption	Cooling		kWh/a	441	575
	Heating			2,193	2,373
Moisture Removal			l/h	2.7	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	50/44/38/31	50/44/38/31
	Indoor (Heating)	H/M/L/Q		49/44/39/33	49/44/39/33
	Outdoor(Cooling/Heating)	High		52/55	55/56
Sound Power Level	Indoor(Cooling/Heating)	High		65/65	65/65
	Outdoor(Cooling/Heating)	High		67/68	68/70
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	1,380/3,600	1,380/3,800
	Indoor / Outdoor (Heating)	High		1,380/3,600	1,380/3,800
Net Dimensions H x W x D	Indoor		mm	340×1,150×280	340×1,150×280
	Outdoor		mm	830×900×330	830×900×330
Weight	Indoor		kg(lbs)	18 (40)	18 (40)
	Outdoor		kg(lbs)	61 (134)	61 (134)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				13.8 / 15.8 to 16.7	13.8 / 15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)
Max Height Difference				30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	2.10 (4.4)	2.10 (4.4)

Optional parts

Wired Remote Controller:	UTY-RNRYZ3, UTY-RVNYM, UTY-RLRY, UTY-RNNYM
Simple Remote Controller:	UTY-RSRY, UTY-RSNYM, UTY-RSRY
Communication kit:	UTY-TWRX, UTY-XWNX
External input and output PCB (with box):	UTY-XCSXZ2 + UTZ-GXXB
Wireless LAN Interface:	UTY-TFNXZ1
External Connect Kit:	UTY-XWZX

Dimensions

(Unit : mm)



Wall Mounted

ECO Range

Compact & Comfort

REFRIGERANT R410A

ALL DC i-PAM

Economy · Powerful · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Filter · Washable

High efficient compact design

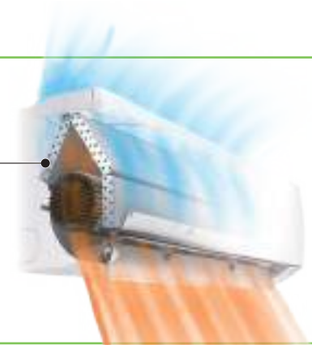
High density heat exchanger

Making the tube thin: 7 mm→5 mm

Volume reduction of heat exchanger: 30%

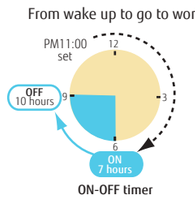
Even temperature

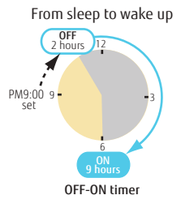
Improved heat exchanger effectiveness



ON-OFF Programmable timer

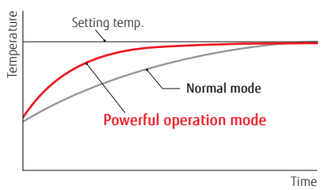
You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)





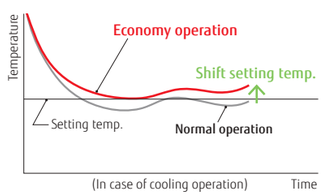
Powerful operation

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



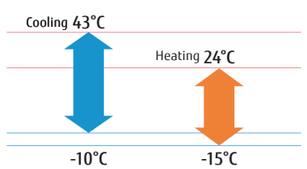
Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation

-15°C at Heating



Model: ASYG07LLCE / ASYG09LLCE / ASYG12LLCE

Wireless R.C.

Specifications

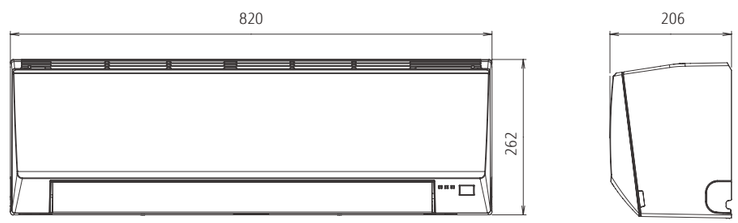
Model No.	Indoor unit			ASYG07LLCE	ASYG09LLCE	ASYG12LLCE
	Outdoor unit			AOYG07LLCE	AOYG09LLCE	AOYG12LLCE
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	2.0(0.9-2.8)	2.5(0.9-3.0)	3.4(0.9-3.8)
	Heating			2.7(0.9-3.6)	3.0(0.9-3.8)	4.0(0.9-5.0)
Input Power	Cooling/Heating		kW	0.470/0.620	0.730/0.740	1.080/1.130
EER	Cooling		W/W	4.26	3.42	3.15
COP	Heating			4.35	4.05	3.54
Pdesign	Cooling/Heating(-10°C)		kW	2.0/2.2	2.5/2.3	3.4/3.2
SEER	Cooling		W/W	6.70	6.90	6.60
SCOP	Heating (Average)			4.00	4.00	3.80
Energy Efficiency Class	Cooling			A++	A++	A++
	Heating (Average)			A+	A+	A
Max. Operating Current	Cooling/Heating		A	6.0/7.5	6.0/7.5	6.5/9.0
Annual Energy Consumption	Cooling		kWh/a	104	127	180
	Heating			770	805	1,179
Moisture Removal			l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/38/33/22	43/38/33/22	43/38/33/22
	Indoor (Heating)	H/M/L/Q		43/38/33/22	43/38/33/22	43/38/33/22
	Outdoor(Cooling/Heating)	High		47/48	47/48	50/51
Sound Power Level	Indoor(Cooling/Heating)	High		59/60	59/60	59/60
	Outdoor(Cooling/Heating)	High		61/61	61/61	65/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	720/1,670	720/1,670	720/1,830
	Indoor / Outdoor (Heating)	High		740/1,470	740/1,470	740/1,600
Net Dimensions H x W x D	Indoor		mm	262×820×206	262×820×206	262×820×206
	Outdoor		mm	535×663×293	535×663×293	535×663×293
Weight	Indoor		kg(lbs)	7.0 (15)	7.0 (15)	7.0 (15)
	Outdoor		kg(lbs)	24 (53)	24 (53)	26 (57)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20(15)	20(15)	20(15)
Max Height Difference				15	15	15
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A(2,088)	R410A(2,088)	R410A(2,088)
	Charge		kg(CO2eq-T)	0.65(1.4)	0.65(1.4)	0.85(1.8)

Optional parts

Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



NEW

Compact Cassette

4-way Flow

Compact & Comfort

ALL DC V V-PAM

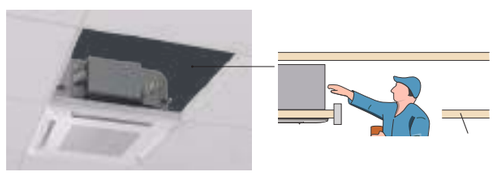
Economy | 10°C HEAT | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Filter | Drain Pump

Compact and stylish panel design

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

Easy maintenance

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

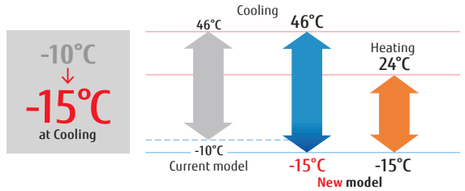


The air inlet grill can be installed in various directions, so maintenance is easy.

Flexible installation

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

Low ambient operation



REFRIGERANT R32

Model: AUXG09KVLA / AUXG12KVLA / AUXG14KVLA / AUXG18KVLA / AUXG22KVLA / AUXG24KVLA

For AUXG9/12/14KVLA

For AUXG18/22KVLA

For AUXG24KVLA

Specifications

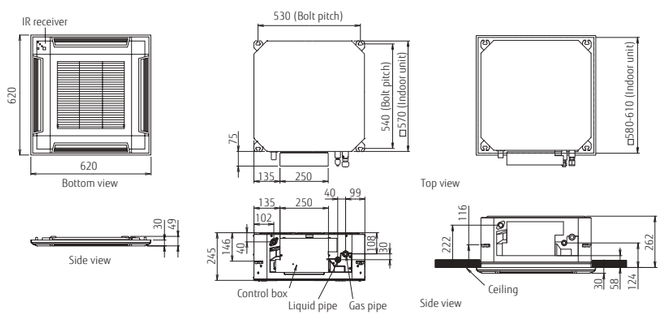
Model No.	Indoor unit			AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit			AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB
Power Source				Single-phase, ~230V, 50Hz					
Capacity	Cooling		kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)
	Heating			3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)
Input Power	Cooling/Heating		kW	0.55/0.79	0.93/1.08	1.28/1.32	1.60/1.66	1.82/1.87	2.21/2.03
EER	Cooling		W/W	4.57	3.76	3.36	3.25	3.30	3.08
COP	Heating			4.05	3.80	3.79	3.61	3.74	3.69
Pdesign	Cooling/Heating(-10°C)		kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4	6.0/4.8	6.8/6.0
SEER	Cooling		W/W	6.70	6.60	6.50	6.60	6.60	6.10
SCOP	Heating (Average)			4.40	4.30	4.40	4.20	4.30	4.00
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	7.9	9.7	10.2	12.1	12.6	13.6
Annual Energy Consumption	Cooling		kWh/a	131	186	231	275	318	390
	Heating			826	1,106	1,208	1,466	1,562	2,097
Moisture Removal			l/h	0.6	1.2	1.5	2.2	2.6	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	33/31/29/27	37/34/30/27	38/34/30/27	38/34/30/26	44/42/36/30	49/44/36/30
	Indoor (Heating)	H/M/L/Q		34/32/29/27	37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33	49/45/40/33
	Outdoor(Cooling/Heating)	High		46/46	47/47	49/49	50/50	51/51	53/54
Sound Power Level	Indoor(Cooling/Heating)	High		46/47	49/49	50/55	50/55	56/57	59/61
	Outdoor(Cooling/Heating)	High		59/59	61/61	62/62	62/62	63/63	65/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	540/1,480	600/1,580	680/1,670	680/2,160	830/2,240	930/2,700
	Indoor / Outdoor (Heating)	High		540/1,410	600/1,520	800/1,580	800/1,830	860/1,960	930/2,700
Net Dimensions H x W x D	Indoor		mm	245x570x570	245x570x570	245x570x570	245x570x570	245x570x570	245x570x570
	Outdoor		mm	542x799x290	542x799x290	542x799x290	632x799x290	632x799x290	716x820x315
Weight	Indoor		kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)	16 (35)	16 (35)
	Outdoor		kg(lbs)	32 (71)	33 (73)	33 (73)	36 (79)	38 (84)	42 (93)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.53	6.35/9.53	6.35/9.53	6.35/12.70	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	20 (15)	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)
Max Height Difference				15	20	20	20	25	25
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25(0.844)
Cassette Grille	Model name			UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W
	Dimensions (H × W × D)		mm	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620
	Weight		kg(lbs)	2.3 (5.1)	2.3 (5.1)	2.3 (5.1)	2.3 (5.1)	2.3 (5.1)	2.3 (5.1)

Optional parts

Wireless Remote Controller:	UTY-LNTY	Cassette Grille:	UTY-UFYF-W
Wired Remote Controller:	UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM, UTY-RNNYM	Fresh Air Intake Kit:	UTZ-VXAA
		Air Outlet Shutter Plate:	UTR-YDZB
Simple Remote Controller:	UTY-RSRY, UTY-RHRY, UTY-RSNYM	Insulation for High Humidity:	UTZ-KXGC
		External Input and Output PCB (with box):	UTY-XCSX+UTZ-GXRA
Wireless LAN Interface:	UTY-TFSXZ1	External Connect Kit:	UTY-XWZXZG

Dimensions

(Unit : mm)



Compact Cassette

4-way Flow

Compact & Comfort

REFRIGERANT R410A

ALL DC V V-PAM

Economy | 10°C HEAT | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Filter | Drain Pump

2-stage turbo fan

High efficiency design by 2 stage structure

Previous turbo fan

In the case of a conventional fan, the air outlet range was narrow as the airflow moved to the motor side which meant the velocity of air passing through the heat exchanger was uneven.

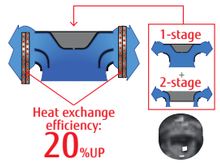
Wind velocity

Fast

Slow

2-stage turbo fan

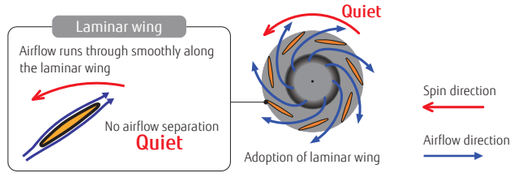
An evenly spread air distribution across the heat exchanger is possible due to the 2 stage turbo fan which produces two separate airflow streams.



Quiet quality

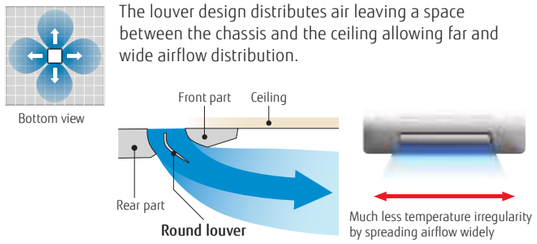
Optimized wing form (laminar wing type) and wing number (7 blades each)

Designed by CFD-analysis (fluid) simulations

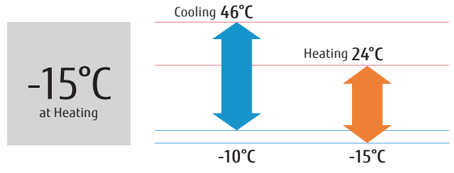


Improvement of the airflow distribution

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



Low ambient operation



Model : AUYG12LVLB / AUYG14LVLB / AUYG18LVLB / AUYG24LVLA

Wireless R.C.

For AUYG12/14LVLB

For AUYG18LVLB

For AUYG24LVLA

Specifications

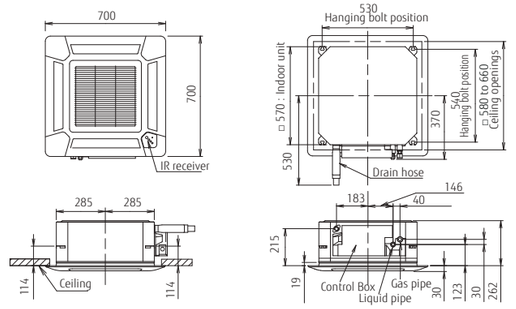
Model No.	Indoor unit			AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLA
	Outdoor unit			AOYG12LALL	AOYG14LALL	AOYG18LBCB	AOYG24LBCB
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating		kW	1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
EER	Cooling		W/W	3.33	3.21	3.21	3.08
COP	Heating			3.69	3.71	3.61	3.54
Pdesign	Cooling/Heating(-10°C)		kW	3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
SEER	Cooling		W/W	6.20	6.40	6.20	5.60
SCOP	Heating (Average)			4.10	4.40	4.20	3.90
Energy Efficiency Class	Cooling			A++	A++	A++	A+
	Heating (Average)			A+	A+	A+	A
Max. Operating Current	Cooling/Heating		A	7.5/10.0	9.0/12.5	11.5/13.5	14.7/15.7
Annual Energy Consumption	Cooling		kWh/a	198	235	293	425
	Heating			1,431	1,432	1,731	2,151
Moisture Removal			l/h	1.2	1.5	2.2	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
	Indoor (Heating)	H/M/L/Q		37/34/31/29	43/38/34/30	43/38/34/30	49/45/40/33
	Outdoor(Cooling/Heating)	High		47/48	49/49	50/50	53/54
Sound Power Level	Indoor(Cooling/Heating)	High		49/49	50/55	50/55	59/61
	Outdoor(Cooling/Heating)	High		61/63	62/64	62/65	66/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	600/1,780	680/1,910	680/2,380	930/2,850
	Indoor / Outdoor (Heating)	High		600/1,630	800/1,740	800/2,080	930/2,700
Net Dimensions H x W x D	Indoor		mm	245×570×570	245×570×570	245×570×570	245×570×570
	Outdoor		mm	578×790×300	578×790×300	632×799×290	716×820×315
Weight	Indoor		kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
	Outdoor		kg(lbs)	40 (88)	40 (88)	36 (79)	42 (95)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	25 (15)	30 (15)
Max Height Difference				15	15	15	20
Operation Range	Cooling		°CDB	-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
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.20 (2.5)	1.50 (3.1)
Cassette Grille	Model name			UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W
	Dimensions (H × W × D)		mm	49×700×700	49×700×700	49×700×700	49×700×700
	Weight		kg(lbs)	2.6 (6)	2.6 (6)	2.6 (6)	2.6 (6)

Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM	Air Outlet Shutter Plate:	UTR-YDZB
Simple Remote Controller:	UTY-RSNYM	Wireless LAN Interface:	UTY-TFNXZ1
Insulation Kit For High Humidity:	UTZ-KXGC	External Connect Kit:	UTY-XWZX
Fresh Air Intake Kit:	UTZ-VXAA	Cassette Grille:	UTG-UFYD-W

Dimensions

(Unit : mm)



NEW

Cassette

Circular Flow

Comfort for Large Room

ALL DC i-PAM

Economy | Set Temp. | Return | Auto Changeover | Up/Down | Adjust | Restart | Duct | Distributing | Individual | Auto OFF | Weekly | Filter | On/Off | Drain Pump | Blue Fin

(30/36/45/54)

Unique Circular Flow design

Cassette type realizes Circular Flow to blow large airflow in 360° direction by mounting high performance DC fan motor, turbo fan and unique seamless airflow louver design.

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-RNRYZ3)only

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

Efficient air conditioning based on the room layout

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

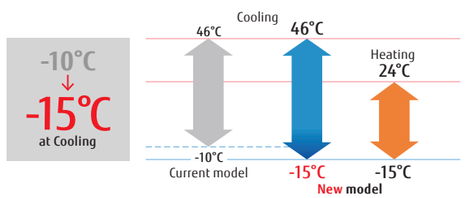
Compact and lightweight outdoor unit

45 model outdoor unit was changed completely. Easier installation was realized by compact and lightweight outdoor unit.

Current model

New 45/54 models

Low ambient operation



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.
Selectable according to the atmosphere and/or usage of the room.

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

UTG-UKYA-B
Black Color Grille

UTG-UKYC-W
White Color Grille

REFRIGERANT R32

Model: AUXG18KRLB / AUXG22KRLB / AUXG24KRLB
AUXG30KRLB / AUXG36KRLB / AUXG45KRLB / AUXG54KRLB

AUXG18/22/24KRLB

AUXG30/36/45/54KRLB

For AUXG18/22KRLB

For AUXG24KRLB

For AUXG30/36KRLB

For AUXG45/54KRLB

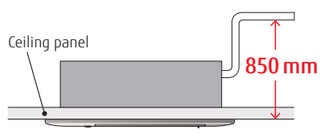
Specifications

Model No.	Indoor unit			AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit			AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB
Power Source				Single-phase, ~230V, 50Hz						
Capacity	Cooling		kW	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating			6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)
Input Power	Cooling/Heating		kW	1.36/1.58	1.71/1.82	1.89/1.90	2.44/2.51	2.91/2.45	3.61/3.21	4.41/4.16
EER	Cooling		W/W	3.82	3.51	3.60	3.49	3.26	3.35	3.04
COP	Heating			3.80	3.85	3.95	3.98	4.40	4.20	3.73
Pdesign	Cooling/Heating(-10°C)		kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-
SEER	Cooling		W/W	7.00	7.00	6.60	6.70	6.55	-	-
SCOP	Heating (Average)			4.30	4.40	4.20	4.30	4.30	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	-	-
	Heating (Average)			A+	A+	A+	A+	A+	-	-
Max. Operating Current	Cooling/Heating		A	12.1	12.6	13.6	22.6	22.6	28.5	28.5
Annual Energy Consumption	Cooling		kWh/a	260	300	360	444	507	-	-
	Heating			1,431	1,527	1,999	2,601	2,828	-	-
Moisture Removal			l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q		33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
	Outdoor(Cooling/Heating)	High		50/50	51/51	53/54	53/55	55/55	57/57	57/59
Sound Power Level	Indoor(Cooling/Heating)	High		47/47	49/49	49/49	54/54	58/58	60/60	61/61
	Outdoor(Cooling/Heating)	High		62/62	63/63	65/66	68/69	70/70	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	1,050/2,160	1,050/2,240	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450
	Indoor / Outdoor (Heating)	High		1,050/1,830	1,050/1,960	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450
Net Dimensions H x W x D	Indoor		mm	246x840x840	246x840x840	246x840x840	288x840x840	288x840x840	288x840x840	288x840x840
	Outdoor		mm	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	998x940x320
Weight	Indoor		kg(lbs)	23 (51)	23 (51)	24 (53)	26 (57)	29 (64)	29 (64)	29 (64)
	Outdoor		kg(lbs)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.70	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference				20	25	25	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	1.02 (0.689)	1.25 (0.844)	1.25(0.844)	1.90(1.283)	1.90(1.283)	2.70(1.823)	2.70(1.823)
Cassette Grille	Variation			UTG-UKYA-W: White Color with touch panel wired remote controller UTG-UKYC-W: White Color / UTG-UKYA-B*1: Black Color						
	Dimensions (H × W × D)		mm	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950
	Weight		kg(lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

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

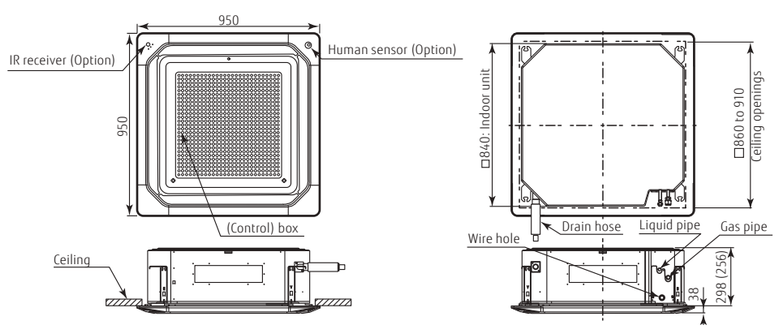
Optional parts

Wired Remote Controller:	UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM, UTY-RNNYM	Wide Panel:	UTG-AKXA-W
Simple Remote Controller:	UTY-RSRY, UTY-RHRY, UTY-RSNYM	Panel Spacer:	UTG-BKXA-W
IR Receiver Kit:	UTY-LBTYC	Fresh Air Intake Kit:	UTZ-VXRA
Wireless LAN Interface:	UTY-TFSXZ1	Air Outlet Shutter Plate:	UTR-YDZK
Human Sensor Kit:	UTY-SHZXC	Insulation Kit for High Humidity:	UTZ-KXRA
Cassette Grille:	UTG-UKYA-W, UTG-UKYC-W, UTG-UKYA-B	External Input and Output PCB (with box):	UTY-XCSX + UTZ-GXRA
		External Connect Kit:	UTY-XWZXZG



Dimensions

(Unit : mm)



( ) : AUXG18/22/24KRLB

Cassette

Circular Flow

Comfort for Large Room

REFRIGERANT R410A

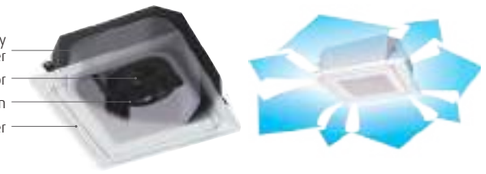
ALL DC i-PAM

Economy | Set Temp. | Return | Auto Changeover | Up/Down | Adjust | Restart | Duct | Distributing | Individual | Auto OFF | Weekly | Filter | On/Off | Drain Pump | Blue Fin

(30/36/45/54)

Unique Circular Flow design

Cassette type realizes Circular Flow to blow large airflow in 360° direction by mounting high performance DC fan motor, turbo fan and unique seamless airflow louver design.



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-RNRYZ3)only

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

Efficient air conditioning based on the room layout

Human sensor increases more energy saving

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

Human sensor (Option)

2 modes can be selected.

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

*Touch Panel Wired RC (UTY-RNRYZ3) only

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.
Selectable according to the atmosphere and/or usage of the room.

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

UTG-UKYA-B
Black Color Grille

UTG-UKYC-W
White Color Grille

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

AUXG18/24LRLB

AUXG30/36/45/54LRLB

Touch Panel Wired R.C.

For AUXG18/24LRLB

For AUXG30/36LRLB

For AUXG45/54LRLB

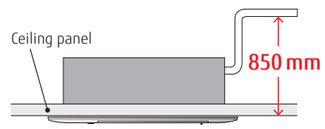
Specifications

Model No.	Indoor unit			AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB
	Outdoor unit			AOYG18LBCA	AOYG24LBCA	AOYG30LBTA	AOYG36LBTA	AOYG45LBTA	AOYG54LBTA
Power Source				Single-phase, ~230V, 50Hz					
Capacity	Cooling		kW	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)
	Heating			6.0 (0.9-8.0)	7.8 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	14.0 (4.2-16.2)	15.8 (4.7-16.5)
Input Power	Cooling/Heating		kW	1.42/1.50	2.16/2.18	2.56/2.77	2.96/2.91	3.85/3.73	4.38/4.58
EER	Cooling		W/W	3.66	3.15	3.32	3.21	3.25	3.04
COP	Heating			4.00	3.58	3.61	3.71	3.75	3.45
Pdesign	Cooling/Heating(-10°C)		kW	5.2/4.3	6.8/6.0	8.5/8.0	9.5/8.7	-	-
SEER	Cooling		W/W	7.05	6.60	6.70	6.40	-	-
SCOP	Heating (Average)			4.40	4.20	4.30	4.30	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	-	-
	Heating (Average)			A+	A+	A+	A+	-	-
Max. Operating Current	Cooling/Heating		A	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	20.5/20.5	21.5/21.5
Annual Energy Consumption	Cooling		kWh/a	258	361	444	519	-	-
	Heating			1,367	1,999	2,604	2,833	-	-
Moisture Removal			l/h	2.2	2.7	2.5	3.3	4.5	5.0
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
	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
	Outdoor(Cooling/Heating)	High		51/50	55/56	53/55	54/55	55/55	55/57
Sound Power Level	Indoor(Cooling/Heating)	High		47/47	49/49	54/54	58/58	60/60	61/61
	Outdoor(Cooling/Heating)	High		64/62	68/68	67/69	68/70	68/68	69/71
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	1,050/1,900	1,150/2,460	1,600/3,600	1,900/3,800	2,000/6,750	2,100/6,750
	Indoor / Outdoor (Heating)	High		1,050/1,700	1,150/2,360	1,600/3,600	1,900/3,800	2,000/6,200	2,100/6,850
Net Dimensions H x W x D	Indoor		mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840
	Outdoor		mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
Weight	Indoor		kg(lbs)	24 (53)	24 (53)	26 (57)	26 (57)	29 (64)	29 (64)
	Outdoor		kg(lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.7	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Height Difference				20	20	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.80 (3.8)	1.80 (3.8)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.35 (7.0)
Cassette Grille	Variation			UTG-UKYA-W: White Color with touch panel wired remote controller UTG-UKYC-W: White Color / UTG-UKYA-B*1: Black Color					
	Dimensions (H × W × D)		mm	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950
	Weight		kg(lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

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

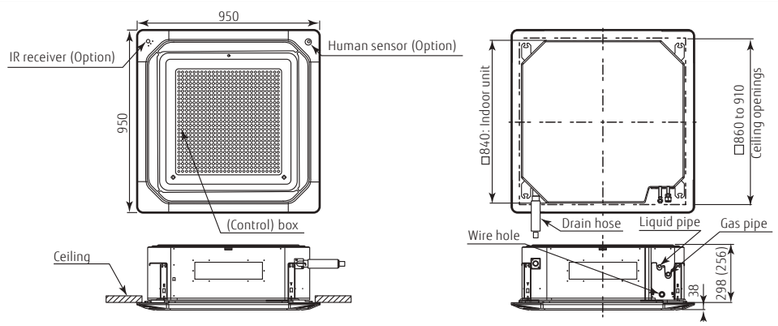
Optional parts

Wired Remote Controller:	UTY-RNRYZ3, UTY-RVNYM, UTY-RLRY, UTY-RNNYM	Air Outlet Shutter Plate:	UTR-YDZK
		Insulation Kit For High Humidity:	UTZ-KXRA
Simple Remote Controller:	UTY-RSNYM, UTY-RSRY, UTY-RHRY	Flesh Air Intake Kit:	UTZ-VXRA
		External input and output PCB (with box):	UTY-XCSX + UTZ-GXRA
IR Receiver Kit:	UTY-LBTYC	External connect kit:	UTY-XWZXZG
Human Sensor Kit:	UTY-SHZXC	Cassette Grille :	UTG-UKYA-W, UTG-UKYA-B, UTG-UKYC-W
Wide Panel:	UTG-AKXA-W	Wireless LAN Interface:	UTY-TFNXZ1
Panel Spacer:	UTG-BKXA-W		



Dimensions

(Unit : mm)



( ): AUXG18/24LRLB

Cassette

4-way Flow

Comfort for large room

REFRIGERANT R410A

ALL DC i-PAM
Single phase

Economy · Auto Changeover · Up/Down · Adjust · Restart · Duct · Distributing · +Setback · Filter · Drain Pump · Blue Fin
(45/54)

Model : AUYG30LRLE / AUYG36LRLE / AUYG45LRLA / AUYG54LRLA / AUYG36LRLA [3 phase] / AUYG45LRLA [3 phase] / AUYG54LRLA [3 phase]

Wired R.C.

For AUYG30/36LRLE

For AUYG45LRLA (Single -phase)

For AUYG36/45/54LRLA

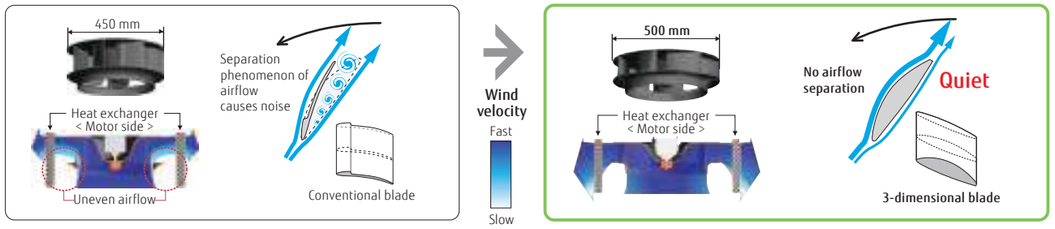
Specifications

Model No.	Indoor unit			AUYG30LRLE	AUYG36LRLE	AUYG45LRLA	AUYG45LRLA	AUYG54LRLA	AUYG36LRLA	AUYG45LRLA	AUYG54LRLA
	Outdoor unit			AOYG30LETL	AOYG36LETL	AOYG45LBTC	AOYG45LETL	AOYG54LETL	AOYG36LATT	AOYG45LATT	AOYG54LATT
Power Source				Single-phase, ~230V, 50Hz					3-phase, ~400V, 50Hz		
Capacity	Cooling		kW	8.5 (2.8-10.0)	10.0 (2.8-11.2)	12.1 (4.0-13.5)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating			10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.5 (4.2-15.7)	14.0 (4.2-16.2)	16.0 (4.7-16.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating		kW	2.65/2.77	3.12/3.02	3.89/3.85	3.88/3.77	4.42/4.69	2.44/2.56	3.54/3.58	4.36/4.43
EER	Cooling		W/W	3.21	3.21	3.11	3.22	3.01	4.10	3.53	3.21
COP	Heating			3.61	3.71	3.51	3.71	3.41	4.38	3.91	3.61
Pdesign	Cooling/Heating(-10°C)		kW	8.5/8.0	10.0/8.7	-	-	-	10.0/10.0	-	-
SEER	Cooling		W/W	6.50	6.30	-	-	-	6.50	-	-
SCOP	Heating (Average)			4.30	4.20	-	-	-	4.30	-	-
Energy Efficiency Class	Cooling			A++	A++	-	-	-	A++	-	-
	Heating (Average)			A+	A+	-	-	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	17.0/17.0	18.5/20.0	23.5/23.5	20.5/20.5	21.5/21.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling		kWh/a	458	555	-	-	-	538	-	-
	Heating			2,604	2,897	-	-	-	3,253	-	-
Moisture Removal			l/h	2.5	3.5	4.5	4.5	5.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	40/38/36/32	43/38/36/32	46/42/40/36	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
	Indoor (Heating)	H/M/L/Q		40/38/36/32	43/38/36/32	46/42/40/36	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
	Outdoor(Cooling/Heating)	High		53/55	54/55	58/58	55/55	55/57	51/53	54/54	55/56
Sound Power Level	Indoor(Cooling/Heating)	High		54/54	57/57	-	-	-	58/58	-	-
	Outdoor(Cooling/Heating)	High		68/69	69/70	-	-	-	67/69	-	-
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	1,600/3,600	1,800/3,800	1,900/4,650	1,900/6,750	2,000/6,750	1,800/6,200	1,900/6,750	2,000/6,900
	Indoor / Outdoor (Heating)	High		1,600/3,600	1,800/3,800	1,900/4,650	1,900/6,200	2,000/6,850	1,800/6,200	1,900/6,200	2,000/6,900
Net Dimensions H x W x D	Indoor		mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
	Outdoor		mm	830×900×330	830×900×330	914×970×370	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330
Weight	Indoor		kg(lbs)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)
	Outdoor		kg(lbs)	61 (135)	61 (135)	75 (165)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	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	9.52/15.88
Drain hose Diameter (I.D./O.D.)				25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference				30	30	30	30	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.0)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)
Cassette Grille	Model name			UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W
	Dimensions (H × W × D)		mm	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950
	Weight		kg(lbs)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)

High efficiency turbo fan with 3-dimensional blade

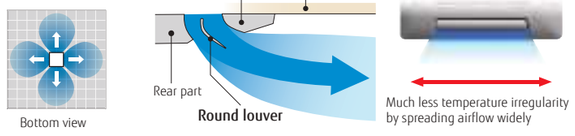
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

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



Improvement of the airflow distribution

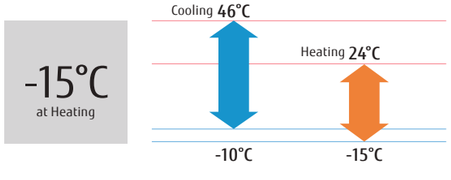
The louver design distributes air leaving a space between the chassis and the ceiling allowing far and wide airflow distribution.



Adjustment of hanger position is possible after installation

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

Low ambient operation

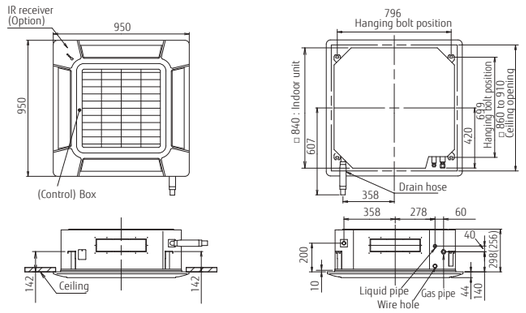


Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM	Insulation Kit For High Humidity:	UTZ-KXRA
Simple Remote Controller:	UTY-RSNYM	Fresh Air Intake Kit:	UTZ-VXRA
IR Receiver Kit:	UTY-LRHYA2	Wireless LAN Interface:	UTY-TFNXZ1
Wide Panel:	UTG-AKXA-W	External Connect Kit:	UTY-XWZX
Panel Spacer:	UTG-BKXA-W	Cassette Grille:	UTG-UGYA-W
Air Outlet Shutter Plate:	UTR-YDZK		

Dimensions

(Unit : mm)



Mini Duct

Built-in Drain Pump

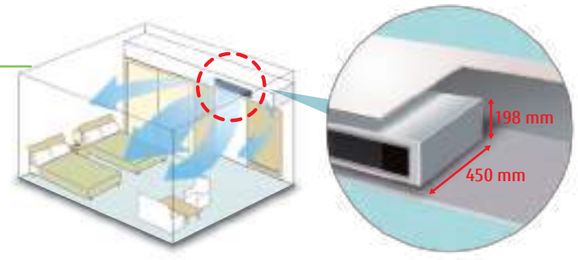
REFRIGERANT R410A

ALL DC

Economy · Set Temp. · Return · Auto Changeover · Adjust · Restart · Auto OFF · Weekly · Filter · On/Off · Drain Pump

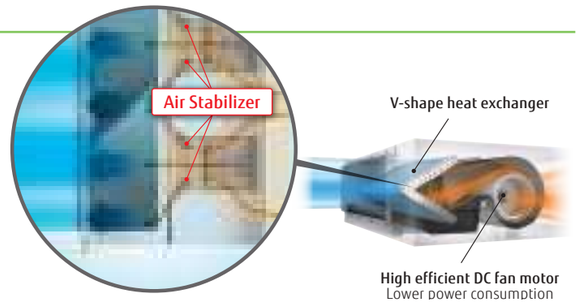
Large living space available

- Installation space can be reduced down to minimum depth 450 mm height 198 mm and compact design
- Minimum size: Depth 450 mm, Height 198 mm Volume 27% down compared with current model
- Lightweight: 15.5 kg 18% down (12/14 models)



Optimum airflow path and low noise operation

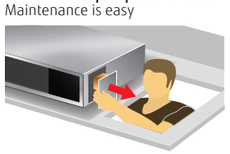
Low noise is realized drastically by stabilized airflow design



Easy design and maintenance for drain

By using the DC fan motor, it is possible to change the static pressure range from 0 to 50 Pa*.
The change of static pressure range is possible by remote controller.
*12 model: 0 to 30 Pa.

Built-in drain pump as standard:
Maintenance is easy



Parts can be replaced from the side of the body where maintenance is easier

Auto Louver Grille Kit (Option)

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

Model : ARYG12LSLAP / ARYG14LSLAP / ARYG18LSLAP

ARYG12/14LSLAP

ARYG18LSLAP

Wired R.C.

For ARYG12/14LSLAP

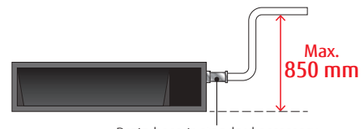
For ARYG18LSLAP

Specifications

Model No.	Indoor unit			ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP
	Outdoor unit			AOYG12LALL	AOYG14LALL	AOYG18LBCB
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating		kW	1.03/1.15	1.34/1.49	1.62/1.77
EER	Cooling		W/W	3.40	3.21	3.21
COP	Heating			3.56	3.35	3.38
Pdesign	Cooling/Heating(-10°C)		kW	3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling		W/W	5.70	5.60	5.80
SCOP	Heating			3.90	3.80	3.80
Energy Efficiency Class	Cooling			A+	A+	A+
	Heating			A	A	A
Max. Operating Current	Cooling/Heating		A	7.5/10.0	9.0/12.5	11.5/13.5
Annual Energy Consumption	Cooling		kWh/a	215	269	314
	Heating			1,505	1,656	1,913
Moisture Removal			l/h	1.2	1.4	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/27/25/23	35/30/27/23	33/29/26/23
	Indoor (Heating)	H/M/L/Q		31/27/25/23	35/30/27/23	33/29/26/23
	Outdoor(Cooling/Heating)	High		47/48	49/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		55/57	60/62	58/59
	Outdoor(Cooling/Heating)	High		61/63	62/64	62/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	650/1,780	800/1,910	940/2,000
	Indoor / Outdoor (Heating)	High		650/1,630	800/1,740	940/1,910
Static pressure range (Standard)			Pa	0 to 30 (10)	0 to 50 (15)	0 to 50 (15)
Net Dimensions H x W x D	Indoor		mm	198×700×450	198×700×450	198×900×450
	Outdoor		mm	578×790×300	578×790×300	632×799×290
Weight	Indoor		kg(lbs)	15.5 (34)	15.5 (34)	18.5 (41)
	Outdoor		kg(lbs)	40 (88)	40 (88)	36 (79)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	25 (15)
Max Height Difference				15	15	15
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.20 (2.5)

Optional parts

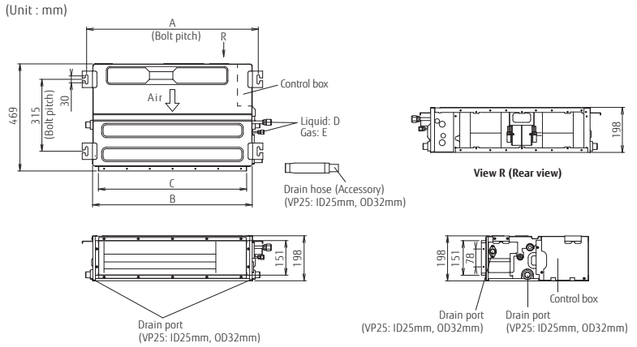
Wired Remote Controller: UTY-RLRY, UTY-RNRYZ3, UTY-RVNYM, UTY-RNNYM
Simple Remote Controller: UTY-RSNYM, UTY-RSRY, UTY-RHRY
IR Receiver Kit: UTY-LBTYM
Remote Sensor Unit: UTY-XSZX
Auto Louver Grille Kit: UTD-GXTA-W (ARYG12/14LSLAP) UTD-GXTB-W (ARYG18LSLAP)
External connect kit: UTY-XWZXZG
Wireless LAN Interface: UTY-TFNXZ1



Drain hose is standard accessory

Dimensions

(Unit : mm)



	ARYG12/14LSLAP	ARYG18LSLAP
A	752	952
B	700	900
C	650	850
D	6.35	9.52
E	12.70	15.88

NEW

Slim Duct

Slim & Comfort

ALL DC V V-PAM

Economy · Auto Changeover · Adjust · Restart · +Setback · Filter · Drain Pump

Slim design

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

Height
198 mm
Drain pump built-in

Compact and lightweight outdoor unit

Compact and lightweight outdoor unit expands a wider range of choice for installation location. This makes it easier to use this outdoor unit.

Selectable with a wide range of static pressure

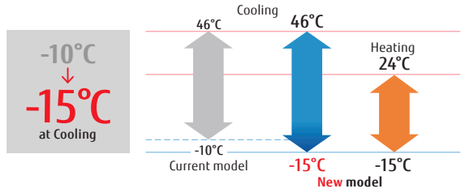
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa.
The change of static pressure range is possible by remote controller.

Static pressure range
0 to 90 Pa

Auto Louver Grille Kit (Option)

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

Low ambient operation



REFRIGERANT R32

Model : ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP

ARXG09/12/14KLLAP

ARXG18KLLAP

For ARXG09/12/14KLLAP

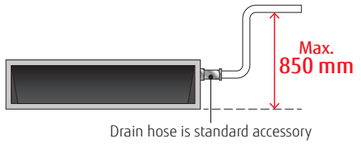
For ARXG18KLLAP

Specifications

Model No.	Indoor unit			ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit			AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB
Power Source				Single-phase, ~230V, 50Hz			
Capacity	Cooling		kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating			3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating		kW	0.60/0.79	0.93/1.08	1.28/1.32	1.55/1.62
EER	Cooling		W/W	4.17	3.76	3.36	3.35
COP	Heating			4.05	3.80	3.79	3.70
Pdesign	Cooling/Heating(-10°C)		kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4
SEER	Cooling		W/W	6.20	6.10	5.80	6.20
SCOP	Heating			4.30	4.00	3.90	4.10
Energy Efficiency Class	Cooling			A++	A++	A+	A++
	Heating			A+	A+	A	A+
Max. Operating Current	Cooling/Heating		A	7.9	9.7	10.2	12.1
Annual Energy Consumption	Cooling		kWh/a	141	201	259	293
	Heating			845	1,189	1,362	1,501
Moisture Removal			l/h	0.7	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q		28/26/25/24	29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor(Cooling/Heating)	High		46/46	47/47	49/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		57/57	58/58	60/60	58/58
	Outdoor(Cooling/Heating)	High		59/59	61/61	62/62	62/62
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	600/1,480	650/1,580	800/1,670	940/2,160
	Indoor / Outdoor (Heating)	High		600/1,410	650/1,520	800/1,580	940/1,830
Static pressure range (Standard)			Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor		mm	198x700x620	198x700x620	198x700x620	198x900x620
	Outdoor		mm	542x799x290	542x799x290	542x799x290	632x799x290
Weight	Indoor		kg(lbs)	17 (37)	17 (37)	17 (37)	20 (44)
	Outdoor		kg(lbs)	32 (71)	33 (73)	33 (73)	36 (79)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.53	6.35/9.53	6.35/9.53	6.35/12.70
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	20 (15)	25 (15)	25 (15)	30 (20)
Max Height Difference				15	20	20	20
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)

Optional parts

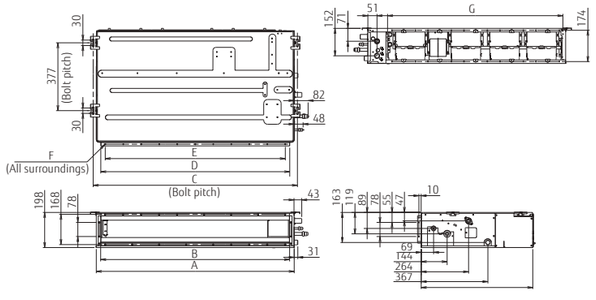
Wired Remote Controller: UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM, UTY-RNNYM
Simple Remote Controller: UTY-RSRY, UTY-RHRY, UTY-RSNYM
IR Receiver Kit: UTY-LBTYM
Wireless LAN Interface: UTY-TFSXZ1
Remote Sensor Unit: UTY-XSZX
Auto Louver Grille Kit: UTD-GXTA-W (ARXG12/14KLLAP), UTD-GXTB-W (ARXG18KLLAP)
External Connect Kit: UTY-XWZXZG



Drain hose is standard accessory

Dimensions

(Unit : mm)



	ARXG09/12/14KLLAP	ARXG18KLLAP
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	18xØ5	22xØ5
G	574	774

Slim Duct

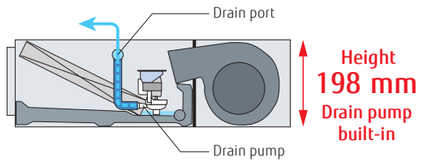
Slim & Comfort

ALL DC V-PAM

Economy · Auto Changeover · Adjust · Restart · +Setback · Filter · Drain Pump

Slim design

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



Flexible installation

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

Ceiling concealed

Floor concealed

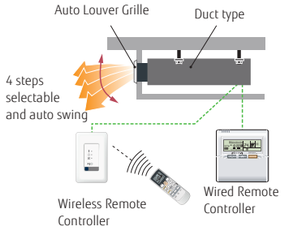
Selectable with a wide range of static pressure

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

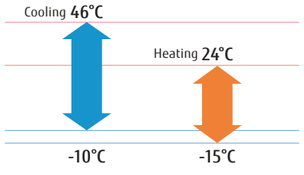
Auto Louver Grille Kit (Option)

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



Low ambient operation

-15°C
at Heating



Model : ARYG12LLTB / ARYG14LLTB / ARYG18LLTB

ARYG12/14LLTB

ARYG18LLTB

Wired R.C.

For ARYG12/14LLTB

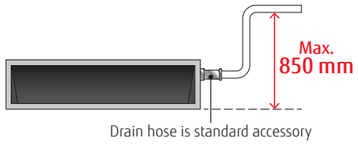
For ARYG18LLTB

Specifications

Model No.	Indoor unit			ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
	Outdoor unit			AOYG12LALL	AOYG14LALL	AOYG18LBCB
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating		kW	1.05/1.11	1.33/1.34	1.62/1.66
EER	Cooling		W/W	3.33	3.21	3.21
COP	Heating			3.69	3.71	3.61
Pdesign	Cooling/Heating(-10°C)		kW	3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling		W/W	5.90	5.80	6.20
SCOP	Heating			4.00	3.90	4.10
Energy Efficiency Class	Cooling			A+	A+	A++
	Heating			A+	A	A+
Max. Operating Current	Cooling/Heating		A	7.5/10.0	9.0/12.5	11.5/13.5
Annual Energy Consumption	Cooling		kWh/a	207	259	294
	Heating			1,467	1,614	1,775
Moisture Removal			l/h	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q		29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor(Cooling/Heating)	High		47/48	49/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		58/58	60/60	58/58
	Outdoor(Cooling/Heating)	High		61/63	62/64	62/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	650/1,780	800/1,910	940/2,380
	Indoor / Outdoor (Heating)	High		650/1,630	800/1,740	940/2,080
Static pressure range (Standard)			Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor		mm	198×700×620	198×700×620	198×900×620
	Outdoor		mm	578×790×300	578×790×300	632×799×290
Weight	Indoor		kg(lbs)	19 (42)	19 (42)	23 (51)
	Outdoor		kg(lbs)	40 (88)	40 (88)	36 (79)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	25 (15)
Max Height Difference				15	15	15
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.20 (2.5)

Optional parts

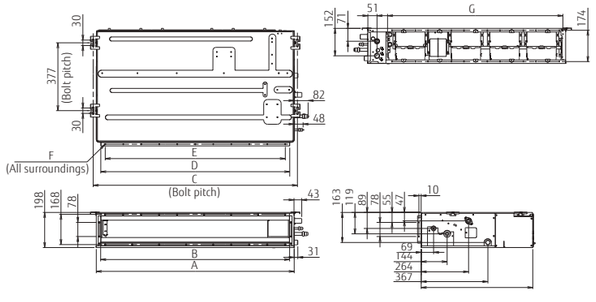
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
IR Receiver Kit: UTY-LRHYM
Remote Sensor Unit: UTY-XSZX
Auto Louver Grille Kit: UTD-GXTA-W (ARYG12 / 14LLTB)
UTD-GXTB-W (ARYG18LLTB)
External connect kit: UTD-ECS5A
Wireless LAN Interface: UTY-TFNXZ1



Drain hose is standard accessory

Dimensions

(Unit : mm)



	ARYG12 / 14LLTB	ARYG18LLTB
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	18xØ5	22xØ5
G	574	774

NEW

Medium Static Pressure Duct

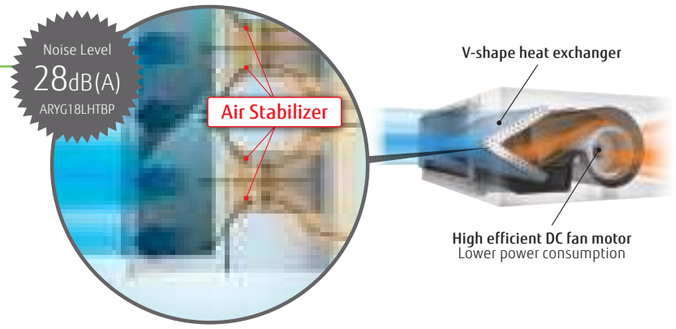
Compact & Comfort

ALL DC (30/36/45/54) i-PAM V-PAM (12/14/18/24)

Economy, Set Temp., Return, Auto Changeover, Adjust, Restart, Duct, Auto OFF, Weekly, Filter, On/Off, Adjust, Drain Pump, Blue Fin (30/36/45/54)

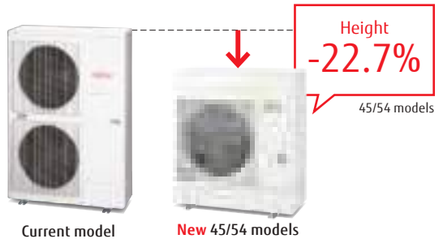
High Efficiency & Quiet operation

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



Small and light weight outdoor unit

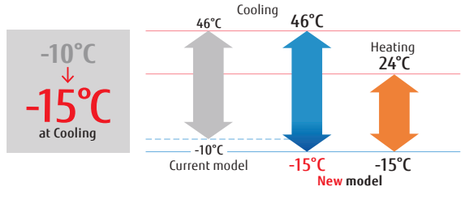
This model is much more compact than conventional outdoor unit.
It can be installed in a narrow place.



Automatic Airflow adjustment function

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

Low ambient operation



Model: ARXG12KHTAP / ARXG14KHTAP / ARXG18KHTAP / ARXG22KHTAP / ARXG24KHTAP
ARXG30KHTAP / ARXG36KHTAP / ARXG45KHTAP / ARXG54KHTAP

ARXG12/14KHTAP ARXG18/22/24/30KHTAP ARXG36/45/54KHTAP

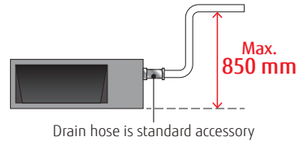
For ARXG12/14KHTAP For ARXG18/22KHTAP For ARXG24KHTAP For ARXG30/36KHTAP For ARXG45/54KHTAP

Specifications

Model No.	Indoor unit			ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
	Outdoor unit			AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB
Power Source				Single-phase, ~230V, 50Hz								
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)
Input Power	Cooling/Heating		kW	0.87/1.00	1.17/1.25	1.36/1.56	1.71/1.81	1.89/1.85	2.65/2.63	2.86/2.48	3.53/3.37	4.42/3.89
EER	Cooling		W/W	4.02	3.68	3.82	3.51	3.60	3.21	3.32	3.43	3.03
COP	Heating			4.10	4.00	3.85	3.87	4.06	3.80	4.35	4.01	3.98
Pdesign	Cooling/Heating(-10°C)		kW	3.5/3.4	4.3/3.8	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-
SEER	Cooling		W/W	6.30	6.20	6.50	6.50	6.50	6.23	6.10	-	-
SCOP	Heating (Average)			4.10	4.00	4.10	4.20	4.10	4.00	4.20	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	A++	A++	-	-
	Heating (Average)			A+	A+	A+	A+	A+	A+	A+	-	-
Max. Operating Current	Cooling/Heating		A	9.7	10.2	12.1	12.6	13.6	22.6	22.6	28.5	28.5
Annual Energy Consumption	Cooling		kWh/a	194	243	280	323	366	477	544	-	-
	Heating			1,159	1,328	1,501	1,597	2,048	2,796	2,898	-	-
Moisture Removal			l/h	0.7	0.9	1.2	1.5	1.8	2.3	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q		32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor(Cooling/Heating)	High		47/47	49/49	50/50	51/51	53/54	53/55	55/55	57/57	57/59
Sound Power Level	Indoor(Cooling/Heating)	High		57/58	59/60	54/54	57/57	57/57	63/65	64/63	67/69	67/69
	Outdoor(Cooling/Heating)	High		61/61	62/62	62/62	63/63	65/66	68/69	70/70	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	850/1,580	950/1,670	1,050/2,160	1,050/2,240	1,360/2,700	1,700/3,750	2,050/3,750	2,550/4,450	2,550/4,450
	Indoor / Outdoor (Heating)	High		850/1,520	950/1,580	1,050/1,830	1,050/1,960	1,360/2,700	1,700/3,750	2,050/3,750	2,550/4,450	2,550/4,450
Static pressure range (Standard)			Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions H x W x D	Indoor		mm	300x700x700	300x700x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,400x700	300x1,400x700	300x1,400x700
	Outdoor		mm	542x799x290	542x799x290	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	998x940x320
Weight	Indoor		kg(lbs)	27 (60)	27 (60)	35 (77)	35 (77)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)
	Outdoor		kg(lbs)	33 (73)	33 (73)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.53	6.35/9.53	6.35/12.70	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference				20	20	20	25	25	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25(0.844)	1.90(1.283)	1.90(1.283)	2.70(1.823)	2.70(1.823)

Optional parts

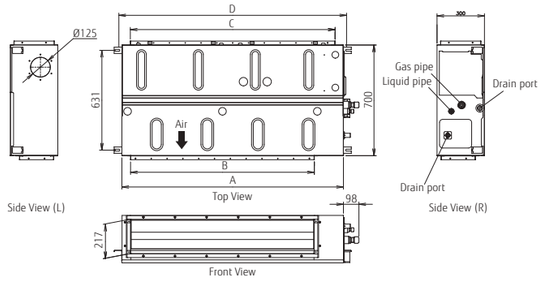
Wired Remote Controller: UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM, UTY-RNNYM
Simple Remote Controller: UTY-RSRY, UTY-RHRY, UTY-RSNYM
IR Receiver Kit: UTY-LBTYM
Wireless LAN Interface: UTY-TFSXZ1
Remote Sensor Unit: UTY-XSZX
Long Life Filter: UTD-LFNA (ARXG36/45/54KHTAP), UTD-LFNB (ARXG18/24/30KHTAP), UTD-LFNC (ARXG12/14KHTAP)
External Input and Output PCB (with bracket): UTY-XCSX + UTZ-GXNA
External Connect Kit: UTY-XWZXZG
External Input and Output PCB BOX : UTZ-GXRA



Drain hose is standard accessory

Dimensions

(Unit : mm)



	ARXG12/14KHTAP	ARXG18/22/24/30KHTAP	ARXG36/45/54KHTAP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

Medium Static Pressure Duct

Compact & Comfort

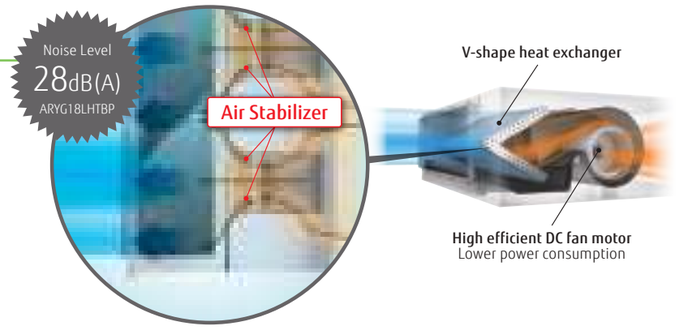
REFRIGERANT R410A

ALL DC | i-PAM (30/36/45/54) | V-PAM (12/14/18/24)

Economy | Set Temp. | Return | Auto Changeover | Adjust | Restart | Duct | Auto OFF | Weekly | Filter | On/Off | Adjust | Drain Pump | Blue Fin (30/36/45/54)

High Efficiency & Quiet operation

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



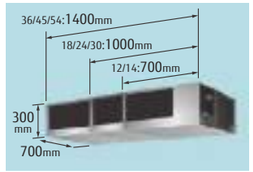
Automatic Airflow adjustment function

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

Improved installation flexibility

- Capable to be installed in various applications that requires static pressure of 30 Pa to 200 Pa*
- Built-in drain pump, rises drain up to 850 mm
- Unified depth throughout the range enables the selection of the capacity regardless of the additional space.

(*: 12/14/18/24/30/36 models)

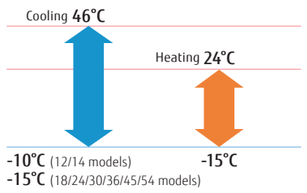


Improved service and maintenance

- Drain pump is easily detachable from the side
- Easy access to electrical box
- Error code can be checked more in detail from error history

Low ambient operation

-15°C



Model: ARYG12LHTBP / ARYG14LHTBP / ARYG18LHTBP / ARYG24LHTBP
ARYG30LHTBP / ARYG36LHTBP / ARYG45LHTBP / ARYG54LHTBP

ARYG12/14LHTBP

ARYG18/24/30LHTBP

ARYG36/45/54LHTBP

Touch Panel Wired R.C.

For ARYG12/14LHTBP

For ARYG18/24LHTBP

For ARYG30/36LHTBP

For ARYG45/54LHTBP

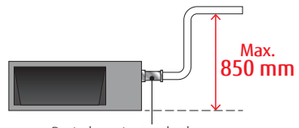
Specifications

Model No.	Indoor unit			ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP
	Outdoor unit			AOYG12LBLA	AOYG14LBLA	AOYG18LBCA	AOYG24LBCA	AOYG30LBTA	AOYG36LBTA	AOYG45LBTA	AOYG54LBTA
Power Source				Single-phase, ~230V, 50Hz							
Capacity	Cooling		kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating			4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-16.2)	16.0 (4.7-16.5)
Input Power	Cooling/Heating		kW	0.90/1.00	1.18/1.25	1.37/1.48	1.95/2.21	2.65/2.70	2.83/3.07	3.59/3.44	4.42/4.62
EER	Cooling		W/W	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03
COP	Heating			4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46
Pdesign	Cooling/Heating(-10°C)		kW	3.5/4.2	4.3/4.5	5.2/ 4.3	6.8/ 6.0	8.5/8.0	9.4/8.7	-	-
SEER	Cooling		W/W	6.20	6.10	7.15	6.50	5.95	5.81	-	-
SCOP	Heating (Average)			4.10	4.00	4.11	4.01	3.95	3.81	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A+	A+	-	-
	Heating (Average)			A+	A+	A+	A+	A	A	-	-
Max. Operating Current	Cooling/Heating		A	8.0/10.5	9.5/13.0	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	22.5/22.5	23.5/23.5
Annual Energy Consumption	Cooling		kWh/a	198	247	255	366	500	566	-	-
	Heating			1,434	1,573	1,462	2,092	2,833	3,194	-	-
Moisture Removal			l/h	0.7	0.9	1.2	1.8	2.3	2.0	2.6	2.6
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q		32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor(Cooling/Heating)	High		47/48	49/49	50/51	55/56	53/55	54/55	55/55	55/57
Sound Power Level	Indoor(Cooling/Heating)	High		57/58	59/60	54/54	57/57	63/65	64/63	67/69	67/69
	Outdoor(Cooling/Heating)	High		60/61	64/63	63/62	68/68	68/69	69/70	69/68	69/71
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	850/1,780	950/1,910	1,050/1,900	1,360/2,460	1,700/3,600	2,050/2,800	2,550/6,750	2,550/6,750
	Indoor / Outdoor (Heating)	High		850/1,630	950/1,740	1,050/1,700	1,360/2,340	1,700/3,600	1,850/2,800	2,550/6,200	2,550/6,850
Static pressure range (Standard)			Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 160 (60)	30 to 160 (60)
Net Dimensions H x W x D	Indoor		mm	300×700×700	300×700×700	300×1,000×700	300×1,000×700	300×1,000×700	300×1,400×700	300×1,400×700	300×1,400×700
	Outdoor		mm	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1,290×900×330	1,290×900×330
Weight	Indoor		kg(lbs)	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)
	Outdoor		kg(lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Height Difference				15	15	20	20	30	30	30	30
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.80 (3.8)	1.80 (3.8)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.35 (7.0)

Optional parts

Wired Remote Controller: UTY-RNRYZ3, UTY-RVNYM, UTY-RNNYM, UTY-RLRY
Simple Remote Controller: UTY-RSNYM, UTY-RSRY, UTY-RHRY
IR Receiver Unit : UTY-LBTYM
Wireless LAN Interface: UTY-TFNXZ1
External connect kit: UTY-XWZXZG

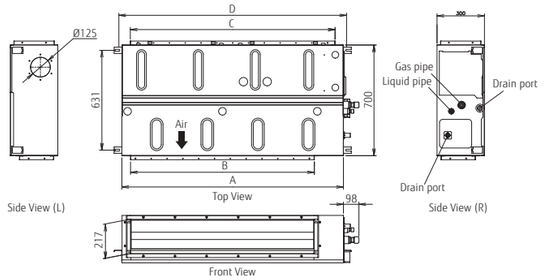
Long life filter: UTD-LFNA (ARYG36/45/54LHTBP), UTD-LFNB (ARYG18/24/30LHTBP), UTD-LFNC (ARYG12/14LHTBP)
Remote Sensor Unit: UTY-XSZX
External input and output PCB (with bracket): UTY-XCSX + UTZ-GXNA
External Input and Output PCB BOX: UTZ-GXRA



Drain hose is standard accessory

Dimensions

(Unit : mm)



	ARYG12/14LHTBP	ARYG18/24/30LHTBP	ARYG36/45/54LHTBP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

NEW

Medium Static Pressure Duct

Standard

ALL DC | i-PAM | V-PAM

(30/36/45) (24)

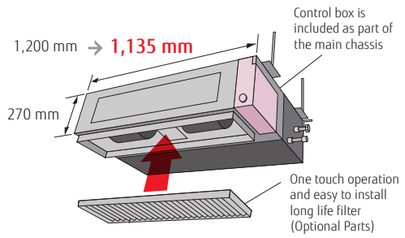
Economy | Auto Changeover | Adjust | Restart | Duct | Distributing | +Setback | Filter | Blue Fin

(45)

Slim & Compact design

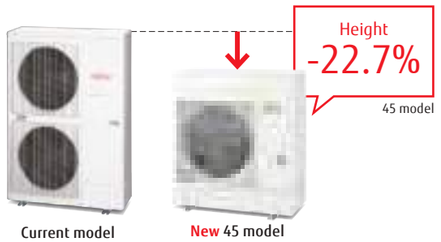
Indoor Unit

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



New Outdoor Unit

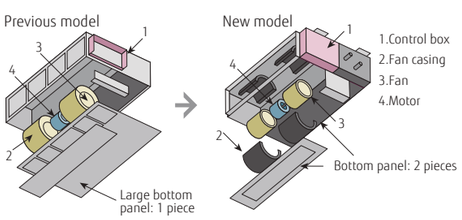
45 model outdoor unit was changed completely. Easier installation was realized by compact and lightweight outdoor unit.



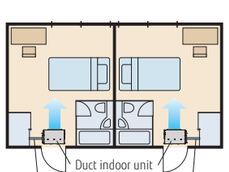
Easy maintenance

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.

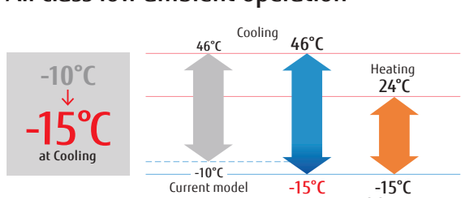
See below for the case of rear suction type



Two-direction drain piping



All class low ambient operation



REFRIGERANT R32

Model : ARXG22KMLA / ARXG24KMLA / ARXG30KMLA / ARXG36KMLA / ARXG45KMLA

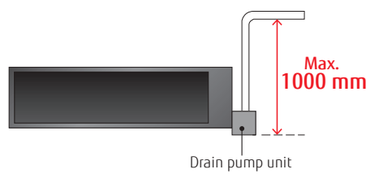
For ARXG22KMLA | For ARXG24KMLA | For ARXG30/36KMLA | For ARXG45KMLA

Specifications

Model No.	Indoor unit			ARXG22KMLA	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit			AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB
Power Source				Single-phase, ~230V, 50Hz				
Capacity	Cooling		kW	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)
	Heating		kW	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)
Input Power	Cooling/Heating		kW	1.78/1.87	2.14/1.97	2.65/2.63	2.97/2.88	4.22/3.84
EER	Cooling		W/W	3.37	3.18	3.21	3.20	2.87
COP	Heating		W/W	3.74	3.80	3.80	3.75	3.52
Pdesign	Cooling/Heating(-10°C)		kW	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-
SEER	Cooling		W/W	6.10	6.20	6.23	6.10	-
SCOP	Heating		W/W	4.10	4.10	4.00	4.00	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	-
	Heating			A+	A+	A+	A+	-
Max. Operating Current	Cooling/Heating		A	12.6	13.6	22.6	22.6	28.5
Annual Energy Consumption	Cooling		kWh/a	344	384	477	545	-
	Heating		kWh/a	1,637	2,045	2,797	3,044	-
Moisture Removal			l/h	2.1	2.5	2.5	3.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28
	Outdoor(Cooling/Heating)	High	dB(A)	51/51	53/54	53/55	55/55	57/57
Sound Power Level	Indoor(Cooling/Heating)	High	dB(A)	60/62	60/62	65/69	65/70	68/70
	Outdoor(Cooling/Heating)	High	dB(A)	63/63	65/66	68/69	70/70	71/71
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	1,100/2,240	1,100/2,700	1,900/3,750	1,900/3,750	2,100/4,450
	Indoor / Outdoor (Heating)	High	m^3/h	1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450
Static pressure range (Standard)			Pa	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)
Net Dimensions H x W x D	Indoor		mm	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700
	Outdoor		mm	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320
Weight	Indoor		kg(lbs)	35 (77)	35 (77)	38 (84)	38 (84)	39 (86)
	Outdoor		kg(lbs)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1
Max Pipe Length (Pre-Charge)			m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)
Max Height Difference			m	25	25	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	1.25 (0.844)	1.25(0.844)	1.90(1.283)	1.90(1.283)	2.70(1.823)

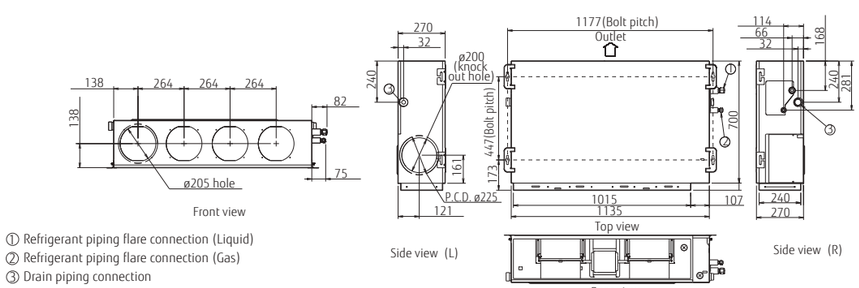
Optional parts

Wired Remote Controller:	UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM, UTY-RNNYM	Drain Pump Unit:	UTZ-PX1NBA
Simple Remote Controller:	UTY-RSRY, UTY-RHRY, UTY-RSNYM	Wireless LAN Interface:	UTY-TFSXZ1
IR Receiver Kit:	UTY-LBTYM	Remote Sensor Unit:	UTY-XSZX
Flange (Round):	UTD-RF204	Long Life Filter:	UTD-LF25NA
Flange (Square):	UTD-SF045T	External Connect Kit:	UTY-XWZXZG



Dimensions

(Unit : mm)



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

Medium Static Pressure Duct

Standard

ALL DC | i-PAM | V-PAM

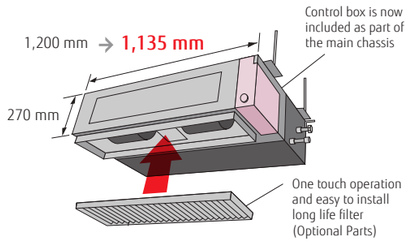
Single phase (30/36/45) (24)

Economy | Auto Changeover | Adjust | Restart | Duct | Distributing | +Setback | Filter | Blue Fin

(45)

Slim & Compact design

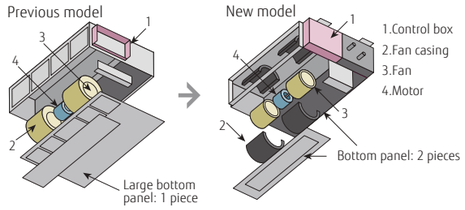
In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270 mm, further space savings have been achieved by mounting the control box internally inside the chassis.



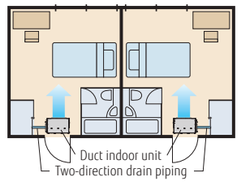
Easy maintenance

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.

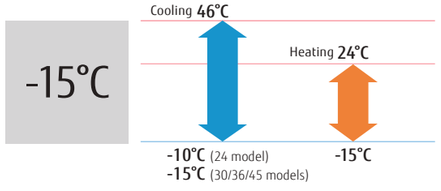
See below for the case of rear suction type



Two-direction drain piping



Low ambient operation



Model : ARYG24LMLA / ARYG30LMLE / ARYG36LMLE / ARYG45LMLA / ARYG36LMLA [3 phase] / ARYG45LMLA [3 phase]

Wired R.C.

For ARYG24LMLA

For ARYG30/36LMLE

For ARYG45LMLA (Single -phase)

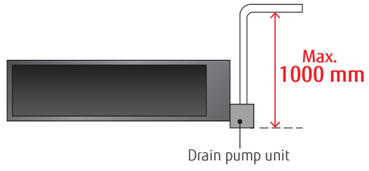
For ARYG36/45LMLA

Specifications

Model No.	Indoor unit			ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA	ARYG45LMLA	ARYG36LMLA	ARYG45LMLA
	Outdoor unit			AOYG24LBCB	AOYG30LETL	AOYG36LETL	AOYG45LBTC	AOYG45LETL	AOYG36LATT	AOYG45LATT
Power Source				Single-phase, ~230V, 50Hz					3-phase, ~400V, 50Hz	
Capacity	Cooling		kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.0)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)
	Heating			8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.2)	13.1 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)
Input Power	Cooling/Heating		kW	2.21/2.26	2.65/2.68	2.96/3.10	4.29/3.84	3.77/3.68	2.84/2.87	3.89/3.88
EER	Cooling		W/W	3.08	3.21	3.18	2.82	3.21	3.52	3.21
COP	Heating			3.54	3.73	3.61	3.46	3.61	3.90	3.61
Pdesign	Cooling/Heating(-10°C)		kW	6.8/6.0	8.5/8.0	9.4/8.7	-	-	10.0/10.0	-
SEER	Cooling		W/W	6.20	5.90	5.70	-	-	5.80	-
SCOP	Heating			4.00	3.90	3.80	-	-	4.00	-
Energy Efficiency Class	Cooling			A++	A+	A+	-	-	A+	-
	Heating			A+	A	A	-	-	A+	-
Max. Operating Current	Cooling/Heating		A	14.7/15.7	17.0/17.0	18.5/20.0	23.5/23.5	21.0/21.0	8.5/8.5	9.5/9.5
Annual Energy Consumption	Cooling		kWh/a	384	504	576	-	-	603	-
	Heating			2,099	2,868	3,202	-	-	3,497	-
Moisture Removal			l/h	2.5	2.5	3.0	4.0	4.0	3.0	4.5
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	42/38/32/28	38/36/31/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q		31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/38/32/28	40/36/31/26	42/38/32/28
	Outdoor(Cooling/Heating)	High		53/54	53/55	54/55	58/58	55/55	51/53	54/54
Sound Power Level	Indoor(Cooling/Heating)	High		60/62	65/69	65/70	-	-	65/67	-
	Outdoor(Cooling/Heating)	High		66/66	68/69	69/70	-	-	67/69	-
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	1,100/2,850	1,900/3,600	1,900/3,800	2,100/4,650	2,100/6,750	1,800/6,200	2,100/6,750
	Indoor / Outdoor (Heating)	High		1,100/2,700	2,100/3,600	2,100/3,800	2,100/4,650	2,100/6,850	1,850/6,200	2,100/6,200
Static pressure range (Standard)			Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30 to 150 (60)	30 to 150 (47)	30 to 150 (60)
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	270x1,135x700	270×1,135×700	270×1,135×700
	Outdoor		mm	716×820×315	830×900×330	830×900×330	914×970×370	1,290×900×330	1,290×900×330	1,290×900×330
Weight	Indoor		kg(lbs)	38 (84)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)
	Outdoor		kg(lbs)	42 (93)	61 (134)	61 (134)	75 (165)	86 (190)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/15.88	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 hose Diameter (I.D./O.D.)				35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1
Max Pipe Length (Pre-Charge)			m	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)
Max Height Difference				20	30	30	30	30	30	30
Operation Range	Cooling		°CDB	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.50 (3.1)	2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)

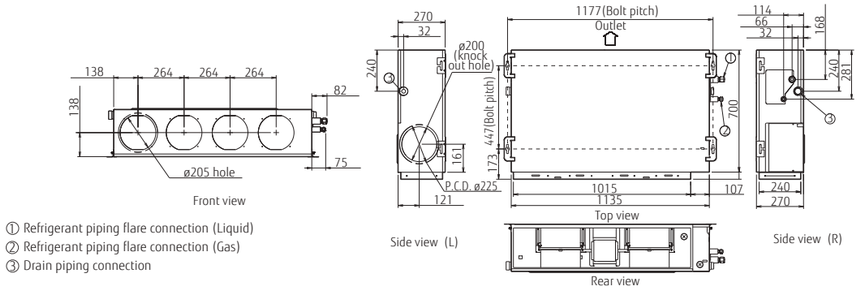
Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM	Remote Sensor Unit:	UTY-XSZX
Simple Remote Controller:	UTY-RSNYM	Drain Pump Unit:	UTZ-PX1NBA
Flange (Round):	UTD-RF204	IR Receiver Kit:	UTY-LRHYM
Flange (Square):	UTD-SF045T	External connect kit:	UTD-ECS5A
Long Life Filter:	UTD-LF25NA	Wireless LAN Interface:	UTY-TFNXZ1



Dimensions

(Unit : mm)



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

NEW

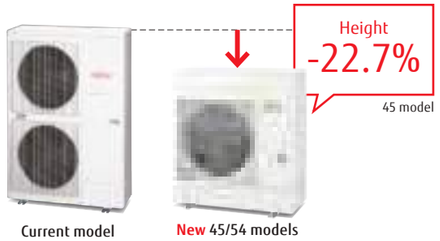
High Static Pressure Duct

ALL DC i-PAM

Economy · Auto Changeover · Adjust · Restart · +Setback · Filter · Blue Fin

Easy installation (Compact size & Lightweight)

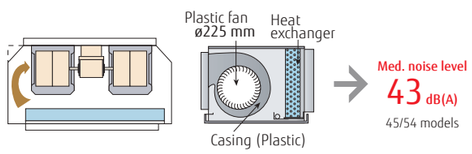
A compact size and lightweight indoor unit & outdoor unit has been developed by reducing the basic chassis and the overall material weight.



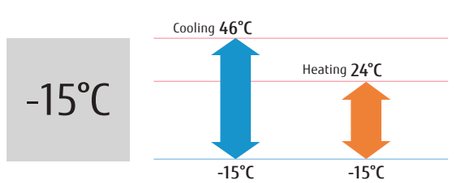
Design also corresponding to high static pressure

Low noise

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



Low ambient operation



Model : ARXG45KHTA / ARXG54KHTA

Specifications

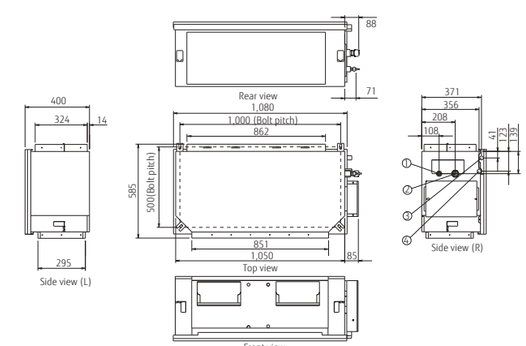
Model No.	Indoor unit			ARXG45KHTA	ARXG54KHTA
	Outdoor unit			AOYG45KBTB	AOYG54KBTB
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	12.1 (4.0-14.0)	13.4 (5.0-14.5)
	Heating			13.5 (5.0-16.2)	15.5 (5.5-18.0)
Input Power	Cooling/Heating		kW	4.16/3.61	4.77/4.18
EER	Cooling		W/W	2.91	2.81
COP	Heating			3.74	3.71
Pdesign	Cooling/Heating(-10°C)		kW	-	-
SEER	Cooling		W/W	-	-
SCOP	Heating			-	-
Energy Efficiency Class	Cooling			-	-
	Heating			-	-
Max. Operating Current	Cooling/Heating		A	28.5	28.5
Annual Energy Consumption	Cooling		kWh/a	-	-
	Heating			-	-
Moisture Removal			l/h	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L	dB(A)	47/43/40	47/43/40
	Indoor (Heating)	H/M/L		47/43/40	47/43/40
	Outdoor(Cooling/Heating)	High		57/57	57/59
Sound Power Level	Indoor(Cooling/Heating)	High		75/74	75/74
	Outdoor(Cooling/Heating)	High		71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	3,350/4,450	3,350/4,450
	Indoor / Outdoor (Heating)	High		3,350/4,450	3,350/4,450
Static pressure range (Standard)			Pa	100 to 250 (100)	100 to 250 (100)
Net Dimensions H x W x D	Indoor		mm	400x1,050x500	400x1,050x500
	Outdoor		mm	46 (101)	46 (101)
Weight	Indoor		kg(lbs)	998x940x320	998x940x320
	Outdoor		kg(lbs)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				23.4/25.4	23.4/25.4
Max Pipe Length (Pre-Charge)			m	50 (30)	50 (30)
Max Height Difference				30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	2.70(1.823)	2.70(1.823)

Optional parts

Wired Remote Controller:	UTY-RVNYM, UTY-RNNYM
Simple Remote Controller:	UTY-RSNYM
Wireless LAN Interface:	UTY-TFNXZ1
Remote Sensor Unit:	UTY-XSZX
Long Life Filter:	UTD-LF60KA
External Connect Kit:	UTD-ECS5A

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

REFRIGERANT R410A

ALL DC (60) Single phase

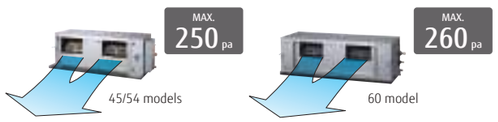
i-PAM

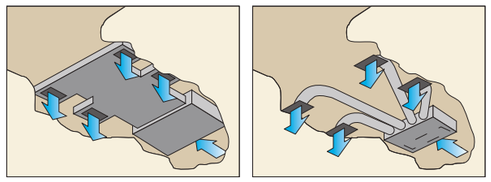
Economy · Auto Changeover · Adjust · Restart · +Setback · Filter · Blue Fin

High energy efficiency

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

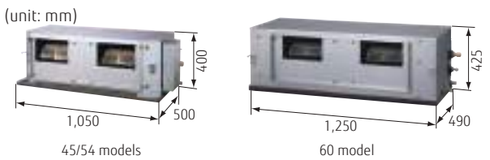
Design also corresponding to high static pressure





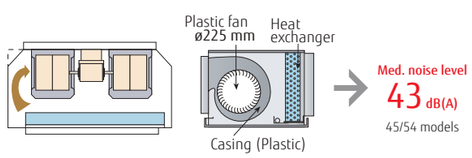
Easy installation (Compact size & Lightweight)

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



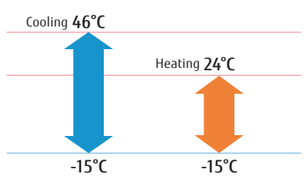
Low noise

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



Low ambient operation

-15°C



Model : ARYG45LHTA / ARYG54LHTA /
ARYG45LHTA [3 phase] / ARYG54LHTA [3 phase] / ARYG60LHTA [3 phase]

Wired R.C.

ARYG45/54LHTA

ARYG60LHTA

Specifications

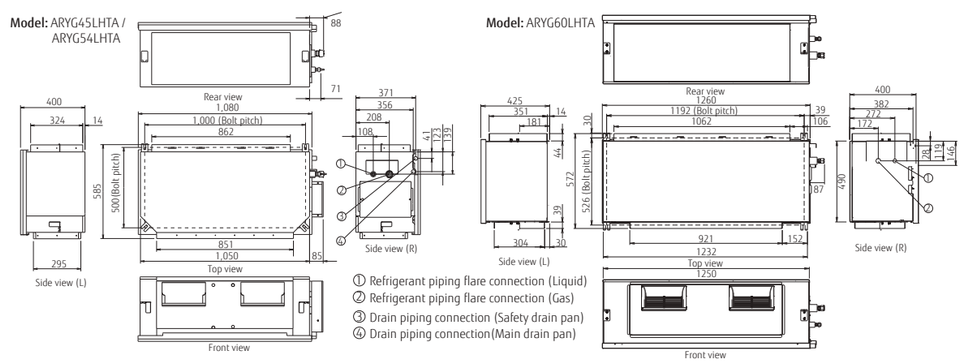
Model No.	Indoor unit			ARYG45LHTA	ARYG54LHTA	ARYG45LHTA	ARYG54LHTA	ARYG60LHTA
	Outdoor unit			AOYG45LETL	AOYG54LETL	AOYG45LATT	AOYG54LATT	AOYG60LATT
Power Source				Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz		
Capacity	Cooling		kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	15.0 (6.2-17.5)
	Heating			14.0 (5.0-16.2)	16.0 (5.5-18.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)	18.0 (6.2-18.0)
Input Power	Cooling/Heating		kW	4.30/3.80	4.77/4.69	4.06/3.67	4.65/4.37	4.70/5.15
EER	Cooling		W/W	2.91	2.81	3.08	3.01	3.19
COP	Heating			3.68	3.41	3.81	3.66	3.50
Max. Operating Current	Cooling/Heating		A	22.5/22.5	23.5/23.5	11.0/11.0	12.0/12.0	12.5 /12.5
Moisture Removal			l/h	1.5	2.0	1.5	2.5	2.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-
	Indoor (Heating)	H/M/L/Q		47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-
	Outdoor(Cooling/Heating)	High		55/55	55/57	54/54	55/56	56/58
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	3,350/6,750	3,350/6,750	3,350/6,750	3,350/6,900	3,550/6,900
	Indoor / Outdoor (Heating)	High		3,350/6,200	3,350/6,850	3,350/6,200	3,350/6,900	3,550/7,300
Static pressure range (Standard)			Pa	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	60 to 260 (60)
Net Dimensions H x W x D	Indoor		mm	400×1,050×500	400×1,050×500	400×1,050×500	400×1,050×500	425×1,250×490
	Outdoor		mm	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330
Weight	Indoor		kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	54 (119)
	Outdoor		kg(lbs)	86 (189)	86 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)				23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference				30	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	3.35 (7.0)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)

Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM
Simple Remote Controller:	UTY-RSNYM
Long-Life Filter:	UTD-LF60KA (ARYG45/54LHTA)
Remote Sensor Unit:	UTY-XSZX
IR Receiver Kit:	UTY-LRHYM(ARYG60LHTA)
External connect kit:	UTD-ECS5A
Wireless LAN Interface:	UTY-TFSXZ1

Dimensions

(Unit : mm)



Big Duct

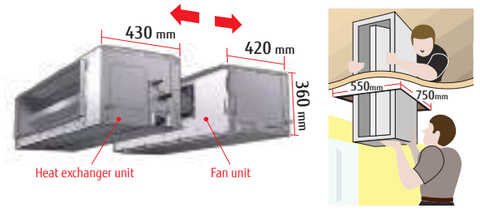
REFRIGERANT R410A

ALL DC

Economy · Set Temp. · Return · Auto Changeover · Adjust · Restart · Auto OFF · Weekly · Filter · On/Off · Adjust · Blue Fin

Separation is possible by lightweight compact design

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

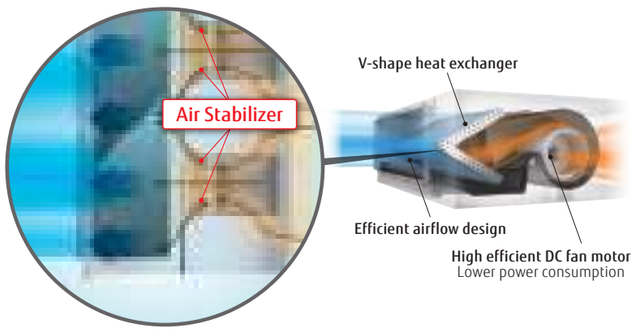


Automatic Airflow adjustment function

This function can set the optimum airflow automatically, so installation time is shortened drastically.

Quiet operation

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



Model : ARYG72LHTA / ARYG90LHTA

Wired R.C.

Specifications

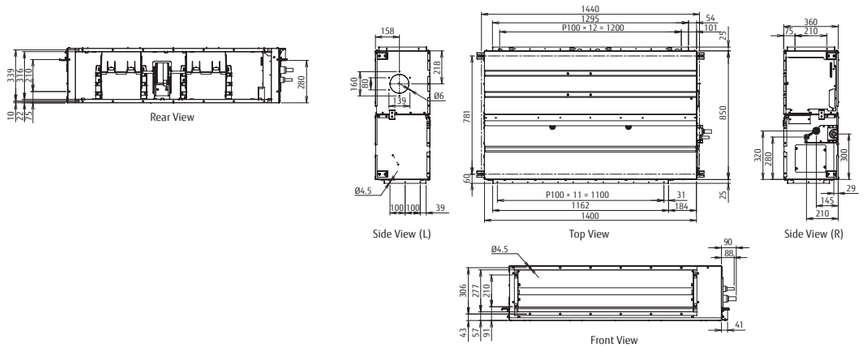
Model No.	Indoor unit			ARYG72LHTA	ARYG90LHTA
	Outdoor unit			AOYG72LRLA	AOYG90LRLA
Power Source	Indoor			Single-phase, ~230V, 50Hz	
	Outdoor			3-phase, ~400V, 50Hz	
Capacity	Cooling		kW	19.0 (8.4-20.9)	22.0 (10.3-24.2)
	Heating			22.4 (7.2-24.6)	27.0 (8.5-29.7)
Input Power	Cooling/Heating		kW	6.46 / 6.59	7.77 / 8.18
EER	Cooling		W/W	2.94	2.83
COP	Heating			3.40	3.30
Max. Operating Current	Indoor(Cooling/Heating)		A	4.6/4.6	6.0/6.0
	Outdoor(Cooling/Heating)			13.3/13.3	14.6/14.6
Moisture Removal			l/h	4.5	6.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	46/43/41/39	47/44/42/40
	Indoor (Heating)	H/M/L/Q		46/43/41/39	47/44/42/40
	Outdoor(Cooling/Heating)	High		55/55	55/57
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	4,300/8,400	4,300/8,400
	Indoor / Outdoor (Heating)	High		4,300/8,400	4,300/9,000
Static pressure range (Standard)			Pa	50 to 150 (72)	50 to 200 (72)
Net Dimensions H x W x D	Indoor		mm	360×1,400×850	360×1,400×850
	Outdoor		mm	1,428×1,080×480	1,428×1,080×480
Weight	Indoor		kg(lbs)	69 (152)	80 (176)
	Outdoor		kg(lbs)	165 (363)	174 (383)
Connection Pipe Diameter (Liquid / Gas)			mm	12.7/25.4	12.7/25.4
Drain Hose Diameter (I.D./O.D.)				24.4/32.0	24.4/32.0
Max Pipe Length (Pre-Charge)			m	100 (30)	100 (30)
Height Difference				30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46
	Heating			-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)		5.6 (11.7)	7.1 (14.8)

Optional parts

Wired Remote Controller:	UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM, UTY-RNNYM	External Input and Output PCB:	UTY-XCSX
Simple Remote Controller:	UTY-RSRY, UTY-RHRY, UTY-RSNYN	Drain Pump Unit:	UTZ-PX1NAB
IR Receiver Unit:	UTY-LBTYM, UTY-LRHYM	Long Life filter:	UTD-LFKA
Remote Sensor Unit:	UTY-XSZX	Wireless LAN Interface:	UTY-TFSXZ1
External Connect Kit:	UTY-XWZXZG		

Dimensions

(Unit : mm)



Floor
Compact & Comfort

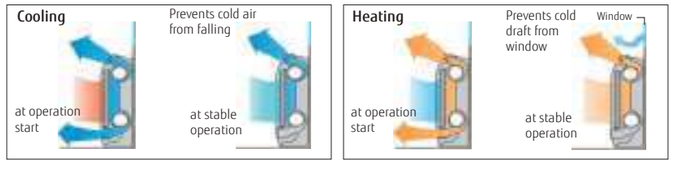
REFRIGERANT R410A

ALL DC V V-PAM

Economy · 10°C HEAT · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Filter · ION · AF · Washable

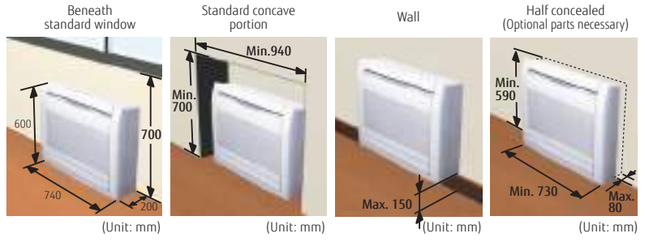
2-Fan & Wide airflow

Individual vertical airflow by 2-fan can control the whole room comfortably.



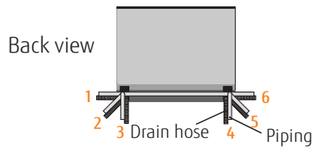
Flexible & easy installation

Due to compact and whole surface suction method model, floor, concealed, half concealed, or wall mounted installation can be available to match the room layout.



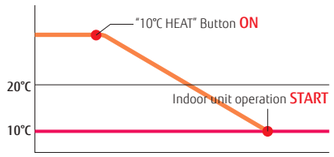
Flexible piping connection 6 direction of drain & piping

Drain hose and piping can be drawn flexibly in the right, left, side, and down directions



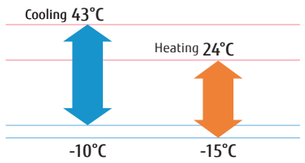
10°C HEAT Operation

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



Low ambient operation

-15°C
at Heating



Model: AGYG09LVCA / AGYG12LVCA / AGYG14LVCA

Wireless R.C.

For AGYG09/12LVCA

For AGYG14LVCA

Specifications

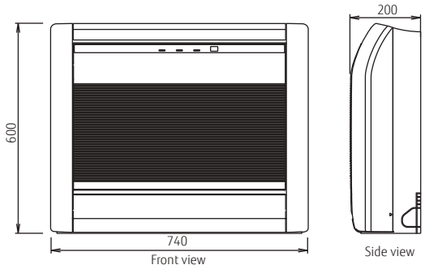
Model No.	Indoor unit			AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
	Outdoor unit			AOYG09LVCA	AOYG12LVCA	AOYG14LVLA
Power Source				Single-phase, ~230V, 50Hz		
Capacity	Cooling		kW	2.6 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating			3.5 (0.9-4.95)	4.5 (0.9-5.3)	5.2 (0.9-6.3)
Input Power	Cooling/Heating		kW	0.53/0.79	0.94/1.19	1.14/1.44
EER	Cooling		W/W	4.91	3.72	3.68
COP	Heating			4.43	3.78	3.61
Pdesign	Cooling/Heating(-10°C)		kW	2.6/2.9	3.5/3.8	4.2/4.7
SEER	Cooling		W/W	7.00	6.50	6.40
SCOP	Heating (Average)			4.20	4.00	4.00
Energy Efficiency Class	Cooling			A++	A++	A++
	Heating (Average)			A+	A+	A+
Max. Operating Current	Cooling/Heating		A	7.0/10.0	7.0/10.0	9.0/13.5
Annual Energy Consumption	Cooling		kWh/a	130	188	230
	Heating			967	1,330	1,645
Moisture Removal			l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q		40/35/29/22	40/35/29/22	43/37/29/22
	Outdoor(Cooling/Heating)	High		47/48	48/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		55/56	55/56	58/58
	Outdoor(Cooling/Heating)	High		64/65	64/65	65/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	570/1,680	570/1,680	650/1,910
	Indoor / Outdoor (Heating)	High		600/1,490	600/1,680	650/1,750
Net Dimensions H x W x D	Indoor		mm	600×740×200	600×740×200	600×740×200
	Outdoor		mm	540×790×290	540×790×290	578×790×300
Weight	Indoor		kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor		kg(lbs)	36 (79)	36 (79)	40 (88)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52	6.35/12.70
Drain hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.05 (2.2)	1.05 (2.2)	1.15 (2.4)

Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
Half Concealed Kit: UTR-STA
Wireless LAN Interface: UTY-TFNXZ1
External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)



Floor/Ceiling

Comfort & Dual Design

REFRIGERANT R410A

ALL DC V V-PAM

Economy | 10°C HEAT | Auto Changeover | Double | Adjust | Restart | Sleep | Program | Filter

Flexible installation

Example for floor installation

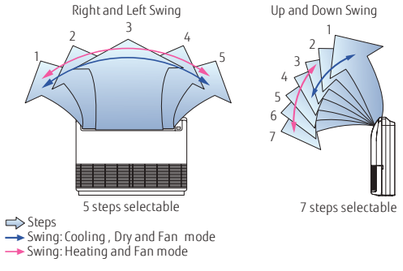
Floor console

Example for ceiling installation

Under ceiling

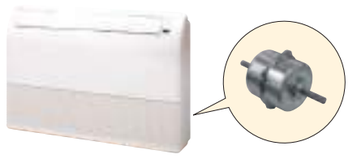
Double auto swing

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



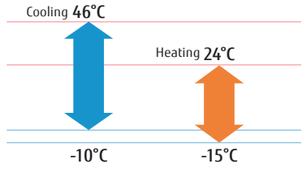
High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation

-15°C
at Heating



REFRIGERANT R410A

Model : ABYG18LVTB / ABYG24LVTA

Wireless R.C.

For ABYG18LVTB

For ABYG24LVTA

Specifications

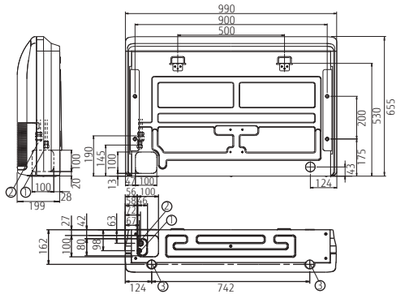
Model No.	Indoor unit			ABYG18LVTB	ABYG24LVTA
	Outdoor unit			AOYG18LBCB	AOYG24LBCB
Power Source				Single-phase, ~230V, 50Hz	
Capacity	Cooling		kW	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating			6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating		kW	1.62/1.66	2.21/2.26
EER	Cooling		W/W	3.21	3.08
COP	Heating			3.61	3.54
Pdesign	Cooling/Heating(-10°C)		kW	5.2/5.2	6.8/6.0
SEER	Cooling		W/W	6.10	5.60
SCOP	Heating (Average)			4.00	3.90
Energy Efficiency Class	Cooling			A++	A+
	Heating (Average)			A+	A
Max. Operating Current	Cooling/Heating		A	11.5/13.5	14.7/15.7
Annual Energy Consumption	Cooling		kWh/a	298	425
	Heating			1,818	2,153
Moisture Removal			l/h	2.0	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/40/34/31	48/44/40/35
	Indoor (Heating)	H/M/L/Q		43/40/34/31	48/44/40/35
	Outdoor(Cooling/Heating)	High		50/50	53/54
Sound Power Level	Indoor(Cooling/Heating)	High		57/57	61/61
	Outdoor(Cooling/Heating)	High		62/65	66/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	780/2,380	980/2,850
	Indoor / Outdoor (Heating)	High		780/2,080	980/2,700
Net Dimensions H x W x D	Indoor		mm	199×990×655	199×990×655
	Outdoor		mm	632×799×290	716×820×315
Weight	Indoor		kg(lbs)	27 (59)	27 (59)
	Outdoor		kg(lbs)	36 (79)	42 (93)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)				25/32	25/32
Max Pipe Length (Pre-Charge)			m	25 (15)	30 (15)
Max Height Difference				15	20
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.20 (2.5)	1.50 (3.1)

Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM
Simple Remote Controller:	UTY-RSNYM
Wireless LAN Interface:	UTY-TFNXZ1
External Connect Kit:	UTY-XWZX

Dimensions

(Unit : mm)



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

Ceiling
Comfort for Large Room

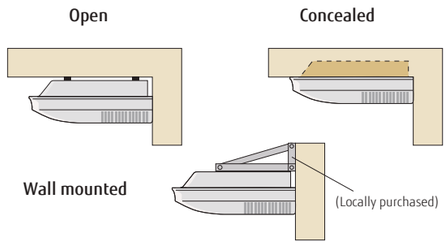
REFRIGERANT R410A

ALL DC i-PAM
Single phase

Economy | 10°C HEAT | Auto Changeover | Double | Adjust | Restart | Duct | Sleep | Program | Filter | Blue Fin
(45)

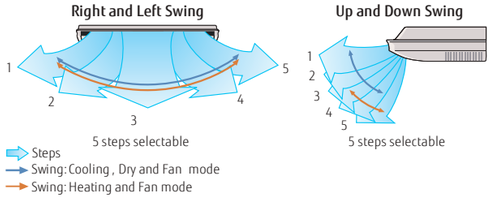
Flexible installation

Various installations are possible to match the room layout.

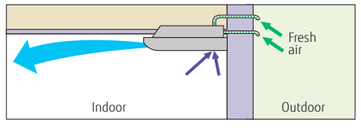


Multi auto swing

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

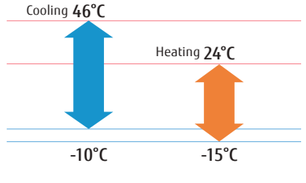


Fresh air intake



Low ambient operation

-15°C
at Heating



REFRIGERANT R410A

**Model : ABYG30LRTE / ABYG36LRTE / ABYG45LRTA /
ABYG36LRTA [3 phase] / ABYG45LRTA [3 phase] / ABYG54LRTA [3 phase]**

Wireless R.C.

For ABYG30/36LRTE

For ABYG45LRTA (Single -phase)

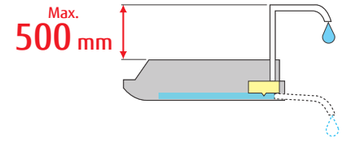
For ABYG36/45/54LRTA

Specifications

Model No.	Indoor unit			ABYG30LRTE	ABYG36LRTE	ABYG45LRTA	ABYG45LRTA	ABYG36LRTA	ABYG45LRTA	ABYG54LRTA
	Outdoor unit			AOYG30LETL	AOYG36LETL	AOYG45LBTC	AOYG45LETL	AOYG36LATT	AOYG45LATT	AOYG54LATT
Power Source				Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz		
Capacity	Cooling		kW	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.0)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating			10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.2)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating		kW	2.65/2.77	2.93/3.02	4.29/3.84	3.77/3.68	2.84/2.87	3.89/3.88	4.65/4.67
EER	Cooling		W/W	3.21	3.21	2.82	3.21	3.52	3.21	3.01
COP	Heating			3.61	3.71	3.46	3.61	3.90	3.61	3.43
Pdesign	Cooling/Heating(-10°C)		kW	8.5/8.0	9.4/8.7	-	-	10.0/10.0	-	-
SEER	Cooling		W/W	6.10	6.00	-	-	6.10	-	-
SCOP	Heating			4.20	4.10	-	-	4.10	-	-
Energy Efficiency Class	Cooling			A++	A+	-	-	A++	-	-
	Heating			A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	17.0/17.0	18.5/20.0	23.5/23.5	20.5/20.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling		kWh/a	487	548	-	-	573	-	-
	Heating			2,662	2,965	-	-	3,414	-	-
Moisture Removal			l/h	2.5	3.0	4.0	4.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Indoor (Heating)	H/M/L/Q		45/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Outdoor(Cooling/Heating)	High		53/55	54/55	58/58	55/55	51/53	54/54	55/56
Sound Power Level	Indoor(Cooling/Heating)	High		57/60	60/61	-	-	61/61	-	-
	Outdoor(Cooling/Heating)	High		68/69	69/70	-	-	67/69	-	-
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	1,660/3,600	1,900/3,800	2,100/4,650	2,100/6,750	1,900/6,200	2,100/6,750	2,300/6,900
	Indoor / Outdoor (Heating)	High		1,660/3,600	1,900/3,800	2,100/4,650	2,100/6,200	1,900/6,200	2,100/6,200	2,300/6,900
Net Dimensions H x W x D	Indoor		mm	240×1,660×700	240×1,660×700	240×1,660×700	240×1,660×700	240×1,660×700	240×1,660×700	240×1,660×700
	Outdoor		mm	830×900×330	830×900×330	914×970×370	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330
Weight	Indoor		kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	48 (106)
	Outdoor		kg(lbs)	61 (134)	61 (134)	75 (165)	86 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	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.)				22.0/25.6	22.0/25.6	21.5/26.0	21.5/26.0	21.5/26.0	21.5/26.0	21.5/26.0
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference				30	30	30	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)

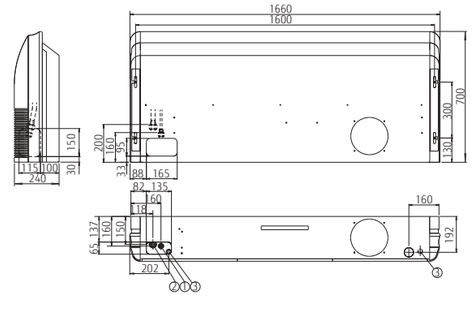
Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM
Simple Remote Controller:	UTY-RSNYM
Drain Pump Unit:	UTR-DPB24T
Flange (Round):	UTD-RF204
Wireless LAN Interface:	UTY-TFNXZ1
External Connect Kit:	UTD-ECS5A, UTY-XWZX



Dimensions

(Unit : mm)



Feature Summary

Type		Wall Mounted												Cassette					Duct										Floor	Floor/ Ceiling	Ceiling
Series		Flagship Range	Designer Range	Standard Range		ECO Range		Designer Range		Standard Range			ECO Range	Compact 4-way Flow		Circular Flow		4-way Flow	Mini (With drain pump)	Slim (With drain pump)		Medium Static Pressure (Compact & Comfort)		Medium Static Pressure (Standard)		High Static Pressure		Big			
Model No.		ASYG 12KXCA	ASYG 07/09/12/14 KGTB	ASYG 07/09/12/14 KMTB	ASYG 18/24KMTA	ASYG 07/09/12 KPCA	ASYG 18/24KLCA	ASYG 09/12LTCA	ASYG 07/09/12/14 LUCA	ASYG 07/09/12/14 LMCE	ASYG 18/30LFCA, ASYG 24LFCC	ASYG 30/36LMTA	ASYG 07/09/12 LLCE	AUXG 09/12/14/ 18/22/24 KVLA	AUYG 12/14/18 LVLB, AUYG 24LVLA	AUXG 18/22/24/ 30/36/45/54 KRLB	AUXG 18/24/30/ 36/45/54 LRLB	AUYG 30/36LRLE, AUYG 36/45/54 LRLA	ARYG 12/14/18 LSLAP	ARXG 09/12/14/18 KLLAP	ARYG 12/14/18 LLTB	ARXG 12/14/18/ 22/24/30/ 36/45/54 KHTAP	ARYG 12/14/18/ 24/30/36/ 45/54 LHTBP	ARXG 22/24/ 30/36/45 KMLA	ARYG 24/36/45 LMLA, ARYG 30/36LMLE	ARXG 45/54KHTA	ARYG 45/54/60 LHTA	ARYG 72/90LHTA	AGYG 09/12/14 LVCA	ABYG 18LVTB, ABYG 24LVTA	ABYG 30/36LRTE, ABYG 36/45/54 LRTA
		R32	R32	R32	R32	R32	R32	R410A						R32	R410A	R32	R410A		R410A	R32	R410A	R32	R410A	R32	R410A	R32	R410A			R410A	
Energy Saving Function	Dual side fans	●												●					●			●		●							
	Save human sensor	●	●					●				●																			
	Save & Stop human sensor															○	○														
	Economy mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Room temperature set point limitation		○	○	○			○	○	○	○	○		○	○	●	●	○	●	○	○	●	●	○	○	○	○	●	○	○	○
	Set temperature auto return		○	○	○			○	○	○	○	○		●	○	●	●	○	●	○	○	●	●	○	○	○	○	●	○	○	○
Comfortable Function	Powerful heating							●																							
	Power diffuser	●								●	●																				
	Server room operation											●																			
	Powerful mode	●	●	●	●	●	●	●	●	●		●	●																		
	10°C HEAT operation	●	●	●	●			●	●	●	●	●		●	●	○	○	○	○	○	○	○	○	○	○		○ (60)	○	●	●	●
	Low noise mode	●	●	●	●			●	●	●		●				○ (45/54)	○ (45/54)					○ (45/54)	○ (45/54)	○ (45) (36LMLA)	○ (45) (36LMLA)	○	○	○			○ (45/54) (36LRTA)
	Auto-changeover	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Up/down swing flaps		●	●	●	●	●	●	●	●			●	●	●	●	●	●	○	○	○								●		
	Double swing automatic	●			●						●	●																		●	●
	Automatic fan speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Auto restart	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Connectable fresh air duct													○	●	●	●					●	●	●	●						●
	Fresh air intake													○	○	○	○			○	○	○	○	○	○	○	○	○			○
	Connectable distributing duct														●	●	●							●	●						
	Individual airflow direction control														●	●															
Convenient Function	Auto off timer		○	○	○			○	○	○	○	○		○	○	●	●	○	●	○	○	●	●	○	○	○	○ (60)	●	○	○	○
	Sleep timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○		○ (60)	○	●	●	●
	Program timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○		○ (60)	○	●	●	●
	Weekly timer		●	○	●			●	●			●				●	●		●			●	●					●			
	Weekly + setback timer		○	○	○			○	○	○	○	○		○	○			●		●	●			●	●	●	●		○	○	○
	Filter sign		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	External error output		○	○	○			○	○	○	○	○				○	○		○			○	○					○			
	External ON/OFF input		○	○	○			○	○	○	○	○		○	○	●	●	○	●	○	○	●	●	○	○	○	○	●	○	○	○
	Wireless LAN control	●	○	○	○	○		○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Clean Function	Plasma air clean	●																													
	Filter auto clean	●																													
	Ion deodorization filter		○	○	●			●	●	●	●	●																	●		
	Apple-catechin filter		○	○	●			●	●	●	●	●																	●		
	Long life filter																					○	○	○	○		○ (60)	○	●		
	Washable panel				●	●	●			●	●		●																		
Installation	Automatic airflow adjustment																					●	●					●			
	Drain pump as standard													●	●	●	●	●	●	●	●	●	●	○	○			○			○
	Blue fin										● (30)	●				● (30/36/45/54)	● (30/36/45/54)	● (45/54)				● (30/36/45/54)	● (30/36/45/54)	● (45)	● (45)	●	●	●			● (45)

○: Optional function

Light Commercial & Residential

MULTI SPLIT

Refrigerant type R32 models

2 Rooms Multi

Simultaneous Multi

2 Rooms Multi Split Indoor Units

Refrigerant type R410A models

2 – 8 Rooms Multi

Simultaneous Multi

2 – 8 Rooms Multi Split Indoor Units

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

If you want to keep a large floor as well as many rooms comfortable, we recommend to use our Multi Splits to build a compact system using just one outdoor unit. Choose from a large lineup of indoor units, which match up well to your rooms. You can mix and match them as you like. Build the system that is just right for you.

Multi Split Overview

Space-saving multi outdoor units can connect up to 8 indoor units in multiple rooms.
New refrigerant R32 models are additionally added. Multi split type can be introduced in
various situations like in homes, in offices and stores to provide environment-friendly comfort.

NEW

2 Rooms Multi

14 class 18 class

2-8 Rooms Multi

2-8 Rooms Multi type units are recommended for situations that require air conditioning in multiple rooms such as in family house or offices. Between 2 to 8 indoor units can be connected and individually operated. A variation of individual and central remote controller are available for operation control, time scheduling of each room and energy savings. Due to space - saving outdoor unit enables installation on balcony or under a waist-high window.

2 & 3-4 Rooms Multi

2 Rooms 14/18 class

3 Rooms 18/24 class
4 Rooms 30 class

5-6 Rooms Multi

36/45 class

8 Rooms Multi

45 class

Twin/Triple

36/45/54 class
(Single phase/3 phase)

Twin/Triple/ Double Twin

72/90 class
(3 phase)

NEW

Twin/Triple

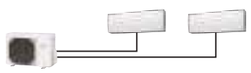
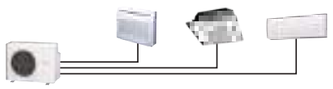
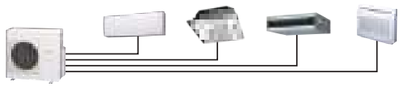
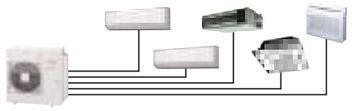
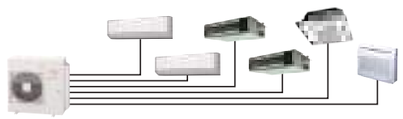
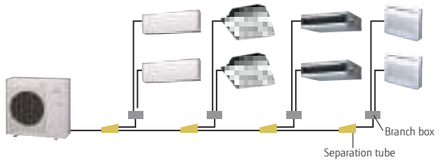
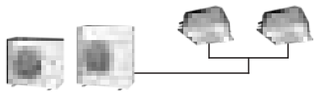
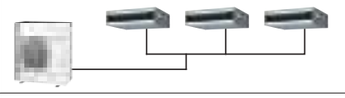
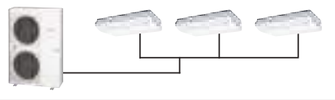
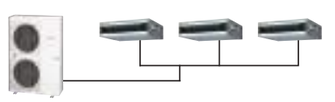
Twin 36 class
(Single phase)

Twin/Triple 45/54 class
(Single phase)

Simultaneous Multi

Simultaneous Multi type is recommended for situations where multiple indoor units need to be operated simultaneously such as for a small building, for small office building entrance, meeting room, educational facility hall, and other large spaces. Up to 4 indoor units can be operated simultaneously. This type is suitable for office spaces with large areas and properties with unusual floor layout.

Outdoor Units Lineup

				Class	14	18	18	24	30	36	45		54	72	90
				Cooling rated capacity(kW)	4	5	5.4	6.8	8	10	12.5	14	14	19	22
2 & 3-4 Rooms Multi	2 Rooms Multi Up to 2 units	R32	 NEW		AOYG14KBTA2	AOYG18KBTA2									
		R410A			AOYG14LAC2	AOYG18LAC2									
	3 Rooms Multi Up to 3 units	R410A					AOYG18LAT3*	AOYG24LAT3*							
	4 Rooms Multi Up to 4 units								AOYG30LAT4*						
5-6 Rooms Multi	5 Rooms Multi Up to 5 units	R410A								AOYG36LBLA5*					
	6 Rooms Multi Up to 6 units										AOYG45LBLA6*				
8 Rooms Multi Up to 8 units		R410A										AOYG45LBT8*			
Simultaneous Multi	Twin Single phase	R32	 NEW							AOYG36KBTB	AOYG45KBTB				
	Twin/Triple Single phase	R32	 NEW										AOYG54KBTB		
	Twin/Triple Single phase	R410A								AOYG36LBTB	AOYG45LBTB*1		AOYG54LBTB*2		
	Twin/Triple 3 phase									AOYG36LATT	AOYG45LATT		AOYG54LATT		
	Twin/Triple/ Double Twin 3 phase	R410A												AOYG72LRLA	AOYG90LRLA

Note: **1. 2 Rooms Multi:** Connectable indoor units are 2 units.
AOYG14KBTA2: Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.
AOYG18KBTA2: Total capacity of indoor units connected must be between 4.0 kW and 7.5kW.
AOYG14LAC2: Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.
AOYG18LAC2: Total capacity of indoor units connected must be between 4.0 kW and 7.0 kW.

2. 3 Rooms Multi: Connectable indoor units are 2 to 3 units.
AOYG18LAT3: Total capacity of indoor units connected must be between 4.0 kW and 8.5 kW.
AOYG24LAT3: Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.

3. 4 Rooms Multi: Connectable indoor units are 3 to 4 units.
AOYG30LAT4: Total capacity of indoor units connected must be between 7.5 kW and 14.0 kW.

4. 5 Rooms Multi: Connectable indoor units are 2 to 5 units
AOYG36LBLA5: Total capacity of indoor units connected must be between 7.5 kW and 15.5 kW.

5. 6 Rooms Multi: Connectable indoor units are 2 to 6 units
AOYG45LBLA6 Total capacity of indoor units connected must be between 9.5 kW and 18.0 kW.

6. 8 Rooms Multi: Connectable indoor units are 2 to 8 units
AOYG45LBT8: Total capacity of indoor units connected must be between 11.0 kW and 18.0 kW.

FUJITSU GENERAL (Euro) GmbH participates in the ECP programme for AIR CONDITIONERS. Check ongoing validity of certificate: www.eurovent-certification.com

* Models so marked are not ECC certified.

2 – 8 Rooms Connectable Indoor Units

REFRIGERANT R32

Type		2 Rooms	
Model name		AOYG14KBTA2	AOYG18KBTA2
Multi Split Outdoor Unit			
Capacity (kW)	Cooling	4.0	5.0
	Heating	4.4	5.6

Indoor Unit	BTU	kW Class		
ASYG07/09/12/14KGTB ASYG07/09/12/14KMTB	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	–	●
 AUXG07/09/12/14KVLA	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	–	●
 ARXG07/09/12/14KSLAP	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	–	●
 ARXG07/09/12/14KLLAP	7,000	2.0	●	●
	9,000	2.5	●	●
	12,000	3.5	●	●
	14,000	4.0	–	●

REFRIGERANT R410A

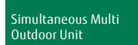
Type		2 Rooms		3 Rooms		4 Rooms	5 Rooms	6 Rooms	8 Rooms
Model name		AOYG 14LAC2	AOYG 18LAC2	AOYG 18LAT3	AOY G24LAT3	AOYG30LAT4	AOYG36LBLA5	AOYG45LBLA6	AOYG45LBT8
Multi Split Outdoor Unit									 (Branch Box) 
Capacity (kW)	Cooling	4.0	5.0	5.4	6.8	8.0	10.0	12.5	14.0
	Heating	4.4	5.6	6.8	8.0	9.6	12.0	13.5	16.0

Indoor Unit	BTU	kW Class								
 ASYG07/09/12/14LMCE	7,000	2.0	●	●	●	●	●	●	●	●
	9,000	2.5	●	●	●	●	●	●	●	●
 ASYG07/09/12/14LUCA	12,000	3.5	●	●	●	●	●	●	●	●
	14,000	4.0	–	●	●	●	●	●	●	●
 ASYG18/24LF	18,000	5.0	–	–	–	●	●	●	●	●
	24,000	7.0	–	–	–	–	●	–	●	●
 AGYG09/12/14LV	9,000	2.5	–	●	●	●	●	●	●	●
	12,000	3.5	–	●	●	●	●	●	●	●
	14,000	4.0	–	–	●	●	●	●	●	●
 AUYG07/09/12/14/18LV	7,000	2.0	–	●	●	●	●	●	●	●
	9,000	2.5	–	●	●	●	●	●	●	●
	12,000	3.5	–	●	●	●	●	●	●	●
	14,000	4.0	–	–	●	●	●	●	●	●
	18,000	5.0	–	–	–	●	●	●	●	●
 ABYG14/18LV	14,000	4.0	–	–	●	●	●	●	●	●
	18,000	5.0	–	–	–	●	●	●	●	●
 ARYG07/09/12/14/18LSLAP	7,000	2.0	–	●	●	●	●	●	●	–
	9,000	2.5	–	●	●	●	●	●	●	–
	12,000	3.5	–	●	●	●	●	●	●	–
	14,000	4.0	–	–	●	●	●	●	●	–
	18,000	5.0	–	–	–	●	●	●	●	–
 ARYG07/09/12/14/18LL	7,000	2.0	–	●	●	●	●	●	●	●
	9,000	2.5	–	●	●	●	●	●	●	●
	12,000	3.5	–	●	●	●	●	●	●	●
	14,000	4.0	–	–	●	●	●	●	●	●
	18,000	5.0	–	–	–	●	●	●	●	●

Simultaneous Multi Connectable Indoor Units

REFRIGERANT R32

Type		4HP	5HP	6HP	
Model name		AOYG36KBTB	AOYG45KBTB	AOYG54KBTB	
Simultaneous Multi Outdoor Unit					
Capacity (kW)	Cooling	9.5	12.1	13.4	13.4
	Heating	10.8	13.5	15.5	15.5

Indoor Unit	BTU	kW Class	Twin			Triple
 AUXG18/22/24KVLA	18,000	5.0	● ×2	–	–	● ×3
	22,000	6.5	–	● ×2	–	–
	24,000	7.0	–	–	● ×2	–
 ARXG18KLLAP	18,000	5.0	● ×2	–	–	● ×3
 ARXG22/24KMLA	22,000	6.5	–	● ×2	–	–
	24,000	7.0	–	–	● ×2	–
Separation tube			UTP-SX236A (18/22/24)			UTP-SX354A (18)

REFRIGERANT R410A

Type		4HP		5HP		6HP		8HP	10HP
Model name		AOYG36LBTB	AOYG36LATT	AOYG45LBTB	AOYG45LATT	AOYG54LBTB	AOYG54LATT	AOYG72LRLA	AOYG90LRLA
Simultaneous Multi Outdoor Unit									
Capacity (kW)	Cooling	10.0		12.1	12.5	13.3	14.0	19.0	22.0
	Heating	11.2		14.0	14.0	15.0	16.0	22.4	27.0

Indoor Unit	BTU	kW Class	Twin			Triple	Twin	Triple	Double Twin	Twin	Triple	Double Twin
 AUYG18/22/24LV	18,000	5.0	● ×2	–	–	● ×3	–	–	● ×4	–	–	–
	22,000	6.5	–	● ×2	–	–	–	–	–	–	–	● ×4
	24,000	7.0	–	–	● ×2	–	–	● ×3	–	–	–	–
 AUYG30/36/45LR	30,000	8.8	–	–	–	–	–	–	–	–	● ×3	–
	36,000	10.6	–	–	–	–	● ×2	–	–	–	–	–
	45,000	12.5	–	–	–	–	–	–	–	● ×2	–	–
 ARYG18LL	18,000	5.0	● ×2	–	–	● ×3	–	–	● ×4	–	–	–
 ARYG22/24/ 30/36/45LM	22,000	6.5	–	● ×2	–	–	–	–	–	–	–	● ×4
	24,000	7.0	–	–	● ×2	–	–	● ×3	–	–	–	–
	30,000	8.8	–	–	–	–	–	–	–	–	● ×3	–
	36,000	10.6	–	–	–	–	● ×2	–	–	–	–	–
	45,000	12.5	–	–	–	–	–	–	–	● ×2	–	–
 ABYG/18/22/24LV	18,000	5.0	● ×2	–	–	● ×3	–	–	● ×4	–	–	–
	22,000	6.5	–	● ×2	–	–	–	–	–	–	–	● ×4
	24,000	7.0	–	–	● ×2	–	–	● ×3	–	–	–	–
 ABYG30/36/45LR	30,000	8.8	–	–	–	–	–	–	–	–	● ×3	–
	36,000	10.6	–	–	–	–	● ×2	–	–	–	–	–
	45,000	12.5	–	–	–	–	–	–	–	● ×2	–	–
Separation tube			UTP-SX236A ×1	UTP-SX254A ×1	UTP-SX254 ×1	UTP-SX354A ×1	UTP-SX272A ×1	UTP-SX372A ×1	UTP-SX272A x 1, UTP-SX236A x 2	UTP-SX272A ×1	UTP-SX372A ×1	UTP-SX272A ×1, UTP-SX254A ×2

NEW

2 Rooms Multi

ALL DC

High energy saving

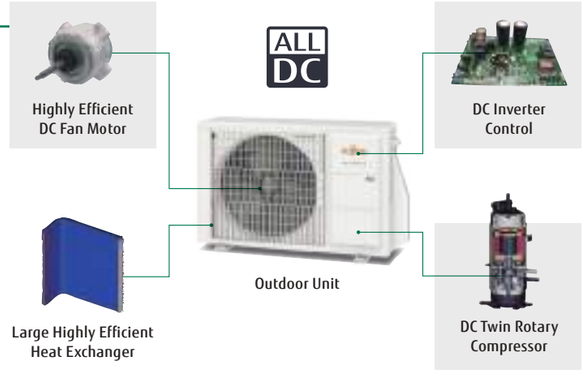
DC technology is used for compressor, indoor / outdoor fan motor and inverter controlling.

Rank
Cooling A+++
Heating A++

SEER 8.7 *1

SCOP 4.7

*1: 14 model



Wide range of indoor units with various models

4 types / 16 models are lined up in the capacity range from 2.0 kW to 4.0 kW class. Wide range of requirements can be realized from in private homes, large shops and hotels.

Models equipped with the New R32 Refrigerant

Wall mounted type with sophisticated design

Middle and small capacity models are available. This makes it easier to install at small spaces.

Compact Cassette

Mini Duct

Slim Duct

2 Rooms: AOYG14KBTA2 / AOYG18KBTA2

14 18

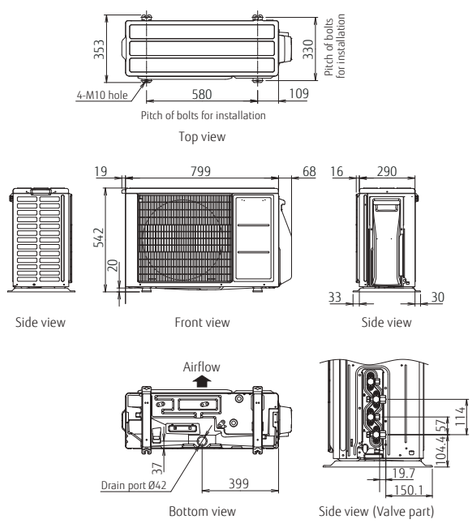
Specifications

Model No.				AOYG14KBTA2	AOYG18KBTA2
Power Source				Single-phase, ~230V, 50Hz	
Rated Capacity (min-max)	Cooling		kW	4.0 (1.4-4.6)	5.0 (1.7-5.8)
	Heating			4.4 (1.1-5.5)	5.6 (1.8-7.0)
EER	Cooling		W/W	4.12	4.03
COP	Heating			4.63	4.59
Sound Pressure Level (High)	Cooling		dB(A)	47	47
	Heating			49	50
Sound Power Level (High)	Cooling			60	60
	Heating			62	62
Airflow Rate	Cooling/Heating		m^3/h	1,670/1,670	1,960/2,020
Net Dimensions H × W × D			mm	542×799×290	632×799×290
Weight			kg(lbs)	33 (73)	37 (82)
Connection Pipe Diameter	Liquid		mm	6.35×2	6.35×2
	Gas			9.53 × 2	9.53 × 2
Max. Pipe Length	Total / Each		m	30 / 20	30 / 20
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.			15	15
	Between Indoor Units.			10	10
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)
	Charge	kg(CO2eq-T)		0.9 (0.574)	1.02 (0.689)

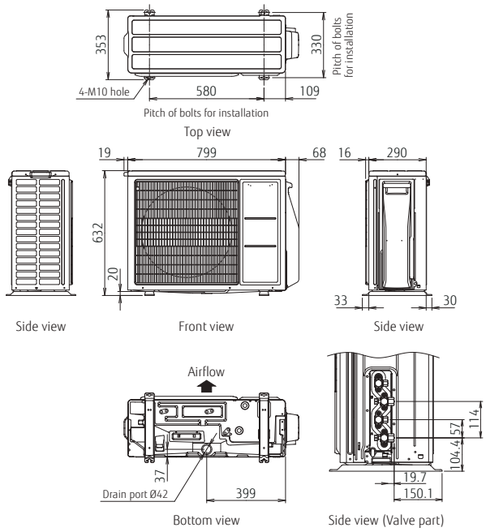
Dimensions

(Unit : mm)

AOYG14KBTA2



AOYG18KBTA2



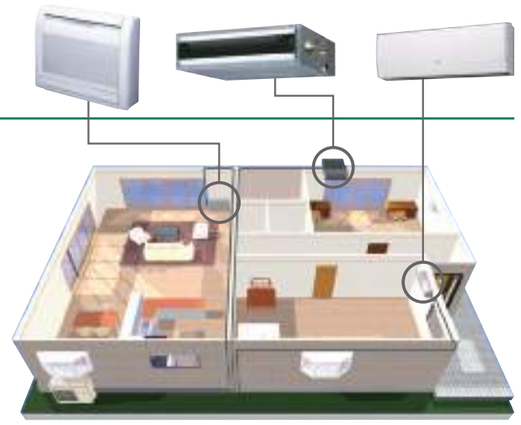
2 & 3-4 Rooms Multi

REFRIGERANT R410A

ALL DC

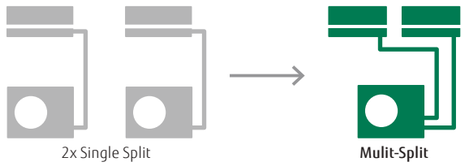
Wide range of indoor units with various models

4 types / 16 models are lined up in the capacity range from 2.0 kW to 4.0 kW class. Wide range of requirements can be realized from in private homes, large shops and hotels.



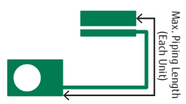
Space-saving installation

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

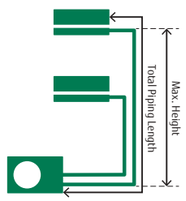


Flexible installation

Up to max. piping length of 70 m (AOYG30LAT4), max. height difference of 15 m can be supported. Multi type can be installed in large-size residence or buildings with multiple floors.



Max. Piping Length (Each Unit):
20 m: AOYG14LAC2,18LAC2,
25 m: AOYG18LAT3/24LAT3/30LAT4



Max. Height:
15 m: AOYG14LAC2/18LAC2/18LAT3/24LAT3/30LAT4

Total Piping Length:
30 m: AOYG14LAC2/18LAC2,
50 m: AOYG18LAT3/24LAT3,
70 m: AOYG30LAT4

REFRIGERANT R410A

2 Rooms: AOYG14LAC2 / AOYG18LAC2
3 Rooms: AOYG18LAT3 / AOYG24LAT3
4 Rooms: AOYG30LAT4

Specifications (2 Rooms, 3 Rooms, 4 Rooms)

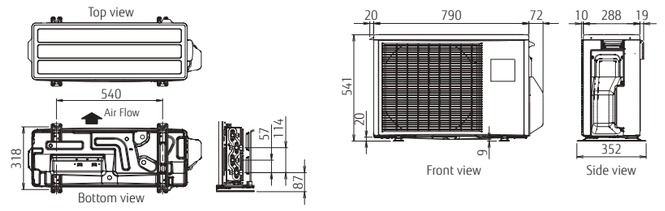
Model No.				AOYG14LAC2	AOYG18LAC2	AOYG18LAT3	AOYG24LAT3	AOYG30LAT4
Power Source				Single-phase, ~230V, 50Hz				
Rated Capacity (min-max)	Cooling		kW	4.0 (1.4-4.4)	5.0 (1.7-5.6)	5.4 (1.8-6.8)	6.8 (1.8-8.5)	8.0 (3.5-10.1)
	Heating			4.4 (1.1-5.4)	5.6 (1.8-6.1)	6.8 (2.0-8.0)	8.0 (2.0-9.2)	9.6 (3.7-12.0)
EER	Cooling		W/W	3.67	3.21	4.00	3.51	3.60
COP	Heating			4.27	3.97	4.20	4.00	4.00
Sound Pressure Level (High)	Cooling		dB(A)	47	50	46	48	50
	Heating			49	51	47	49	51
Sound Power Level (High)	Cooling			61	63	65	68	68
	Heating			63	64	67	70	70
Airflow Rate	Cooling/Heating		m^3/h	1,850/1,850	2,050/2,050	3,050/2,750	3,300/3,300	3,500/3,300
Net Dimensions H × W × D			mm	540×790×290	540×790×290	700×900×330	700×900×330	830×900×330
Weight			kg(lbs)	37 (82)	38 (84)	55 (121)	55 (121)	68 (150)
Connection Pipe Diameter	Liquid		mm	6.35×2	6.35×2	6.35×3	6.35×3	6.35×4 (*6.35×3, 9.52)
	Gas			9.52 × 2	9.52 × 2 *(9.52, 12.70)	9.52 × 2, 12.70 *(9.52 × 3)	9.52 × 2, 12.70 *(9.52 × 3)	9.52 × 2, 12.70 × 2 *(9.52 × 3, 12.70) *(9.52 × 2, 12.70, 15.88)
Max. Pipe Length	Total / Each		m	30 / 20	30 / 20	50 / 25	50 / 25	70 / 25
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.			15	15	15	15	15
	Between Indoor Units.			10	10	10	10	10
Operation Range	Cooling		°CDB	10 to 46	10 to 46	-10 to 46	-10 to 46	0 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-10 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.25 (2.6)	1.30 (2.7)	2.20 (4.6)	2.20 (4.6)	3.30 (6.9)

* Connect to connection valve by the adapter.

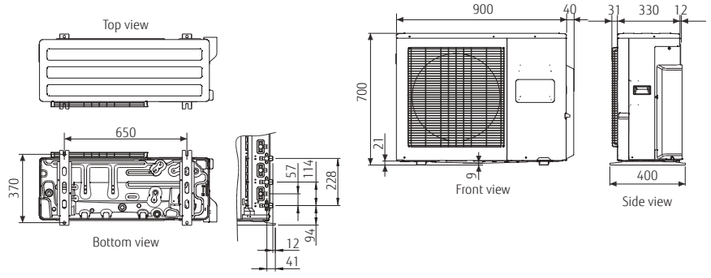
Dimensions

(Unit : mm)

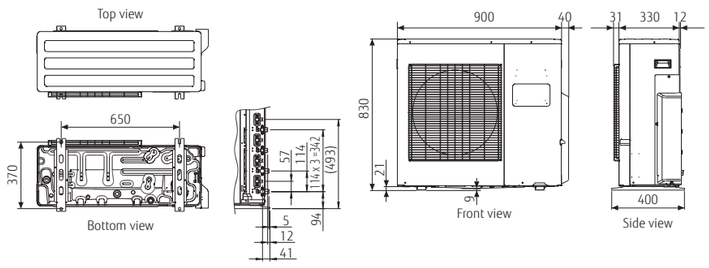
2 Rooms: AOYG14LAC2/AOYG18LAC2



3 Rooms: AOYG18LAT3/AOYG24LAT3



4 Rooms: AOYG30LAT4



5 – 6 Rooms Multi

REFRIGERANT R410A

ALL DC

Wide range of indoor units with various models

4 types / 16 models are lined up in the capacity range from 2.0 kW to 4.0 kW class. Wide range of requirements can be realized from in private homes, large shops and hotels.

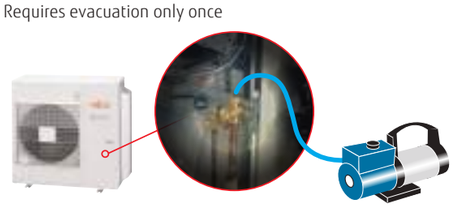
Compact design

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

970 mm

Easy installation

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



Central & Individual Control

- Batched control of up to 8 indoor units. The temperature, airflow volume, and remote control prohibition settings of all indoor units can be batched.
- Corresponds to 9 different languages (English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)
- Large backlight LED screen
- Large easy-to-see operation panel

Max. Controllable
1 multi system

Max. Controllable
8 indoor units

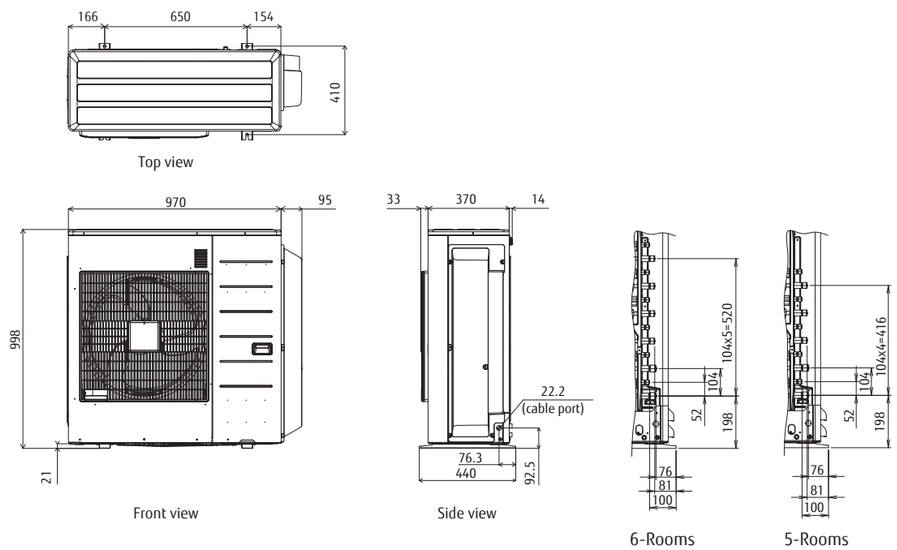
5 Rooms: AOYG36LBLA5
6 Rooms: AOYG45LBLA6

Specifications (5 Rooms, 6 Rooms)

Model No.				AOYG36LBLA5	AOYG45LBLA6
Power Source				Single-phase, ~230V, 50Hz	
Rated Capacity (min-max)	Cooling		kW	10.0 (3.5-12.5)	12.5 (3.5-14.0)
	Heating			12.0 (3.5-14.0)	13.5 (3.5-16.0)
EER	Cooling		W/W	4.10	3.50
COP	Heating			4.30	4.00
Sound Pressure Level (High)	Cooling		dB(A)	53	53
	Heating			55	55
Sound Power Level (High)	Cooling			67	67
	Heating			68	68
Airflow Rate	Cooling/Heating		m^3/h	4,200/4,200	4,200/4,200
Net Dimensions H × W × D			mm	998×970×370	998×970×370
Weight			kg(lbs)	94 (207)	94 (207)
Connection Pipe Diameter	Liquid		mm	6.35×5	6.35×6
	Gas			9.52 × 3, 12.70 × 2	9.52 × 4, 12.70 × 2
Max. Pipe Length	Total / Each		m	80 / 25	80 / 25
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.			15	15
	Between Indoor Units.			10	10
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	4.00 (8.4)	4.00 (8.4)

Dimensions

(Unit : mm)



8 Rooms Multi

REFRIGERANT R410A

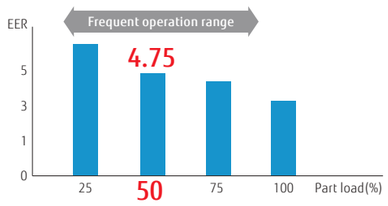
ALL DC

Compact outdoor unit

The compact design outdoor unit allows to be installed below a window and in a narrow space.

High seasonal efficiency

The actual performance is conducted under various outside temperatures depending on weather and seasons, furthermore, especially for multi system, not all the rooms are operated all the time. So over 90% of actual operation time, air conditioners are operated at partial capacity instead of rated capacity. Considering these, we focused on energy-saving performance which is based on actual use. Efficiency of part load performance was drastically improved by developing ALL DC and our own inverter system.



Innovated technology

High efficiency large fan:
High efficiency fan is mounted.

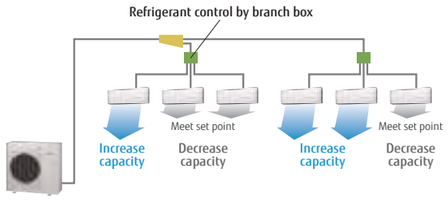
DC fan motor:
High performance and high efficiency has been realized by using a small DC fan motor.

Heat exchanger:
Reduced compact size and energy saving has been realized by utilizing high density piping design and 3-Row heat exchanger.

High efficiency DC twin rotary compressor:
A high performance, low noise, large capacity DC twin rotary compressor is used.

Quick comfort by optimized refrigerant control

Every room meets the set point most quickly and comfortably by optimized refrigerant control.



REFRIGERANT R410A

8 Rooms: AOYG45LBT8

Branch Box: UTP-PY03A / UTP-PY02A

3 zones type

2 zones type

Specifications (Outdoor unit/Branch box)

Outdoor Unit Model Name			AOYG45LBT8
Maximum Connectable Indoor Unit			8
Indoor Unit Connectable Capacity	Cooling	kW	11.0 - 17.5
Power source			Single-phase, ~230V, 50Hz
Rated Capacity	Cooling	kW	14.0
	Heating		16.0
Input Power	Cooling	kW	5.20
	Heating		5.07
Airflow rate	Cooling	m^3/h	4,650
	Heating		4,800
Sound Pressure Level	Cooling	dB(A)	56
	Heating		58
Heat Exchanger Fin			Plate fin coil
Net Dimensions H × W × D		mm	914×970×370
Weight		kg(lbs)	98 (217)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88
Max Pipe Length		m	115 (Total)
Max Height Difference (O.U ~ I.U)			30
Operating Range	Cooling	°CDB	-5 to 46
	Heating		-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)
	Charge	kg(CO2eq-T)	3.45 (7.2)

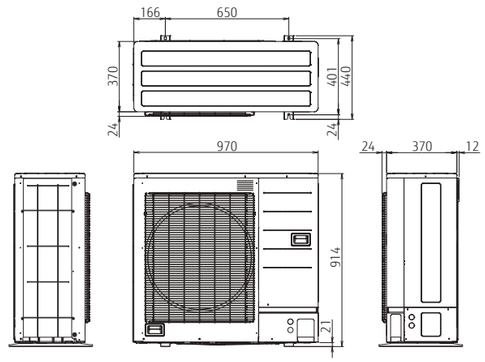
Branch Box Model Name			UTP-PY03A	UTP-PY02A
Connectable Indoor Unit			1 to 3 Units	1 to 2 Units
Power source			Single-phase, ~230V, 50Hz	Single-phase, ~230V, 50Hz
Available Voltage Range			198-264V	198-264V
Power Consumption		W	10	10
Running Current		A	0.05	0.05
Net Dimensions H × W × D		mm	195×433×370	195×433×370
Weight		kg(lbs)	9 (20)	9 (20)
Connection pipe diameter	Liquid	°CDB	Main: 9.52×1, Branch:6.35×3	Main: 9.52×1, Branch:6.35×2
	Gas		Main: 15.88×1, Branch:12.70×3	Main: 15.88×1, Branch:12.70×2
	Method		Flare	Flare

Note: Specifications are based on the following conditions.
- In case of connecting two indoor units(7 kW class).
- These are the measured values in the manufacturer`s anechoic chamber.
- Cooling: Indoor temp. of 27°CDB/19°CWB, outdoor temp. of 35°CDB/24°CWB Heating: Indoor temp. of 20°CDB/15°CWB, outdoor temp. of 7°CDB/6°CWB
  Pipe length: 5 m (Outdoor unit - Branch box), 3 m (Branch box - Indoor unit) Height difference : 0 m

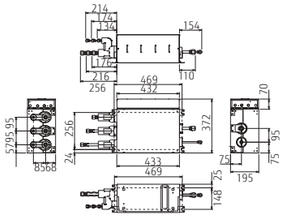
Dimensions

(Unit : mm)

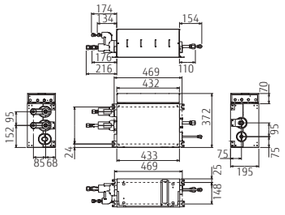
Outdoor Unit:
AOYG45LBT8



Branch Box :
UTP-PY03A (3 branches type)



Branch Box :
UTP-PY02A (2 branches type)



NEW

Simultaneous Multi

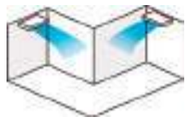
Twin/Triple

ALL DC

Supports various installation scenes from office to commercial space, inside the same room and multi connection of up to 3 indoor units.

Selection of indoor units according to the room shape and heat load, like number of people and lighting conditions.
Most comfortable air flow distribution can be realized.

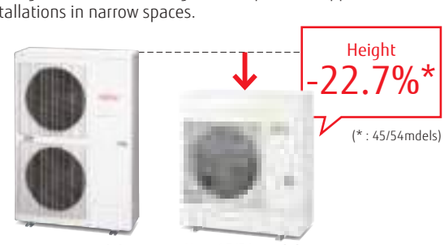
Installation according to floor layout



Installation according to lighting conditions

Design flexibility

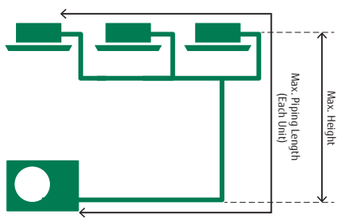
Slim & Compact design
This model is much more compact than a conventional outdoor unit. Significant reduced height of the product supports installations in narrow spaces.



Current model　　New 45/54 models

Flexible installation

Up to max. piping length of 50 m, max. height difference of 30 m can be supported. Multi type can be installed in large-size residence or buildings with multiple floors.



Max. Piping Length (Each Unit):
50 m
Max. Height:
30 m

New Indoor unit lineup

3 types 6 models indoor units are provided, so you can select them depending on your room size and conditions.

Compact Cassette

Slim Duct

Duct

Model: AOYG36KBTB / AOYG45KBTB / AOYG54KBTB

36

45/54

Specifications (Indoor units/Outdoor units)

Indoor Units Model No.				Compact Cassette		
				AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
Power Source				Single-phase, ~230V, 50Hz		
Airflow Rate	Cooling	H/M/L/Q	m^3/h	680/580/490/410	830/740/600/450	930/830/600/450
	Heating	H/M/L/Q		800/680/580/450	860/760/700/530	930/850/700/530
Net Dimension H × W × D			mm	245x570x570	245x570x570	245x570x570
Weight			kg(lbs)	15 (33)	16 (35)	16 (35)
Cassette Grille				UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W

Indoor Units Model No.				Duct		
				ARXG18KLLAP	ARXG22KMLA	ARXG24KMLA
Power Source				Single-phase, ~230V, 50Hz		
Airflow Rate	Cooling	H/M/L/Q	m^3/h	940/880/820/750	1,100/910/750/580	1,100/910/750/580
	Heating	H/M/L/Q		940/880/820/750	1,100/910/750/580	1,100/910/750/580
Net Dimension H × W × D			mm	198x900x620	270x1,135x700	270x1,135x700
Weight			kg(lbs)	20 (44)	35 (77)	35 (77)

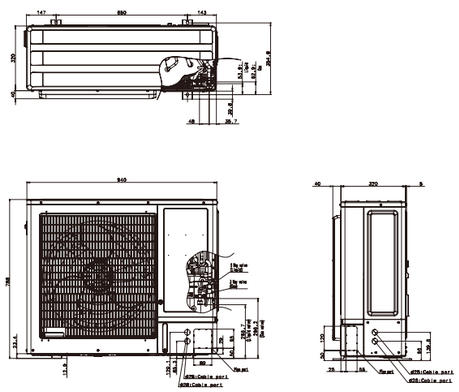
Outdoor Units Model No.			AOYG36KBTB	AOYG45KBTB	AOYG54KBTB
Capacity	Cooling	kW	9.5	12.1	13.4
	Heating		10.8	13.5	15.5
Power Source			Single-phase, ~230V, 50Hz		
Pdesign	Cooling	kW	–	–	–
	Heating (-10°C)		8.7	9.2	9.5
SEER	Cooling	W/W	6.10	–	–
SCOP	Heating		4.00	–	–
Annual Energy Consumption	Cooling	kWh/a	545	–	–
	Heating		3,043	–	–
Energy Efficiency Class	Cooling		A++	–	–
	Heating		A+	–	–
Sound Pressure Level (High)	Cooling	dB(A)	55	57	57
	Heating		55	57	59
Sound Power Level (High)	Cooling		70	71	73
	Heating		70	71	73
Airflow Rate	Cooling / Heating	m^3/h	3,750/3,750	4,450/4,450	4,450/4,450
Net Dimension H × W × D		mm	788x940x320	998x940x320	998x940x320
Weight		kg(lbs)	52 (115)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)		m	50 (30)	50 (30)	50 (30)
Height Difference			30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)
	Charge	kg(CO2eq-T)	1.90(1.283)	2.70(1.823)	2.70(1.823)
Separation tube			UTP-SX236A (Twin)	UTP-SX236A (Twin)	UTP-SX236A (Twin) UTP-SX354A (Triple)

• Different type and capacity indoor units cannot be connected.
• The above table is the value for connecting with cassette type.

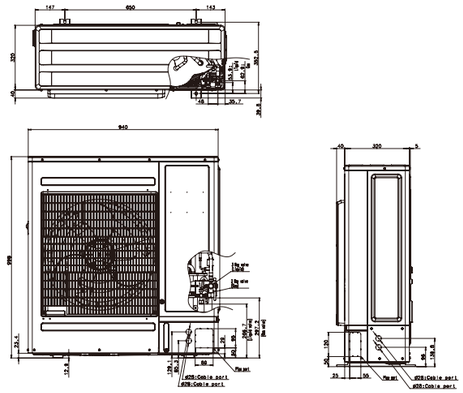
Dimensions

(Unit : mm)

AOYG36KBTB



AOYG45KBTB / AOYG54KBTB



Simultaneous Multi

Twin/Triple

REFRIGERANT R410A

ALL DC

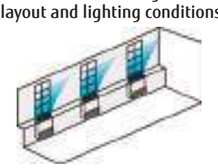
Supports various installation scenes from office to commercial space, inside the same room and multi connection of up to 3 indoor units.

Selection of indoor units according to the room shape and heat load, like number of people and lighting conditions.
Most comfortable air flow distribution can be realized.

Installation according to floor layout

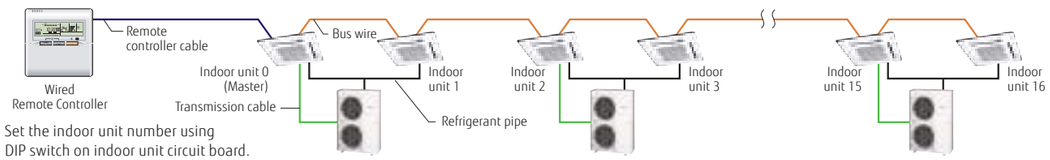
Installation according to lighting conditions

Installation according to layout and lighting conditions



Simultaneous control

Max 16 indoor units are simultaneously controlled with a wired remote controller.



Set the indoor unit number using DIP switch on indoor unit circuit board.

Indoor unit lineup

4 types 9 models indoor units are provided, so you can select them depending on your room size and conditions.

Compact Cassette

Slim Duct

Duct

Floor/Ceiling Universal

Model : AOYG36LBTB / AOYG45LBTB / AOYG54LBTB
AOYG36LATT [3phase] / AOYG45LATT [3phase] / AOYG54LATT [3phase]

Specifications (Indoor units/Outdoor units)

Indoor Units Model No.				Compact Cassette		
				AUYG18LVLB	AUYG22LVLA	AUYG24LVLA
Power Source				Single-phase, ~230V, 50Hz		
Airflow Rate	Cooling	H/M/L/Q	m^3/h	750/610/520/410	930/830/600/450	930/830/600/450
	Heating	H/M/L/Q	m^3/h	800/710/600/450	930/860/700/530	930/830/600/450
Net Dimension H × W × D			mm	245×570×570	245×570×570	245×570×570
Weight			kg(lbs)	15 (33)	16 (35)	16 (35)
Cassette Grille				UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W

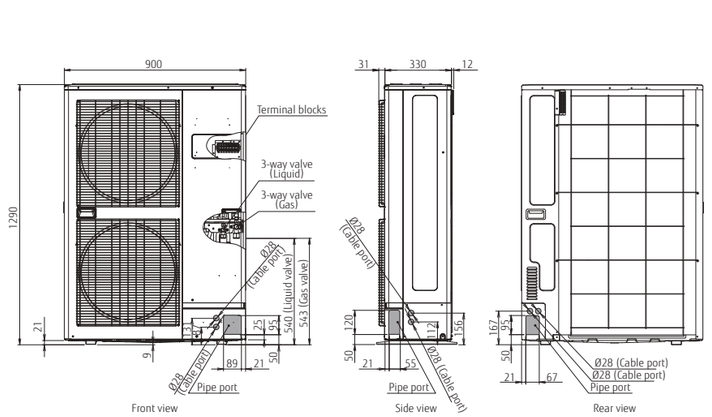
Indoor Units Model No.				Duct			Floor/Ceiling Universal		
				ARYG18LLTB	ARYG22LMLA	ARYG24LMLA	ABYG18LVTB	ABYG22LVTA	ABYG24LVTA
Power Source				Single-phase, ~230V, 50Hz			Single-phase, ~230V, 50Hz		
Airflow Rate	Cooling	H/M/L/Q	m^3/h	940/880/820/750	1,100/910/750/580		780/700/560/500	980/820/680/540	
	Heating	H/M/L/Q	m^3/h	940/880/820/750	1,100/910/750/580		780/700/560/500	980/820/680/540	
Net Dimension H × W × D			mm	198 × 900 × 620	270 × 1,135 × 700		199 × 990 × 655	199 × 990 × 655	
Weight			kg(lbs)	23 (51)	38 (84)		27 (60)	27 (60)	

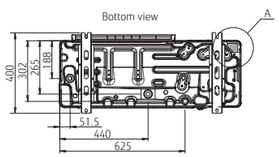
Outdoor Units Model No.				AOYG36LBTB	AOYG45LBTB	AOYG54LBTB	AOYG36LATT	AOYG45LATT	AOYG54LATT
Capacity	Cooling		kW	10.0	12.1	13.3	10.0	12.5	14.0
	Heating		kW	11.2	14.0	15.0	11.2	14.0	16.0
Power Source				Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Pdesign	Cooling		kW	10.0	-	-	10.0	-	-
	Heating (-10°C)		kW	10.0	-	-	10.0	-	-
SEER	Cooling		W/W	5.56	-	-	6.00	-	-
SCOP	Heating		W/W	3.90	-	-	4.00	-	-
Annual Energy Consumption	Cooling		kWh/a	629	-	-	583	-	-
	Heating		kWh/a	3,588	-	-	3,499	-	-
Energy Efficiency Class	Cooling			A	-	-	A+	-	-
	Heating			A	-	-	A+	-	-
Sound Pressure Level (High)	Cooling		dB(A)	52	54	55	51	54	55
Sound Power Level (High)	Heating		dB(A)	69	70	72	69	69	71
Airflow Rate	Cooling / Heating		m^3/h	6,200/6,200	6,750/6,200	6,850/6,750	6,200/6,200	6,750/6,200	6,900/6,900
Net Dimension H × W × D			mm	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330
Weight			kg(lbs)	93(205)	93(205)	93(205)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)			m	75(30)	75(30)	75(30)	75(30)	75(30)	75(30)
Height Difference			m	30	30	30	30	30	30
Operation Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)
Separation tube				UTP-SX236A(Twin)	UTP-SX254A(Twin)	UTP-SX254A(Twin)/ UTP-SX354A(Triple)	UTP-SX236A (Twin)	UTP-SX254A (Twin)	UTP-SX254A (Twin) / UTP-SX354A (Triple)

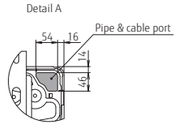
*Different type and capacity indoor units cannot be connected.
*The above table is the value for connecting with cassette type.

Dimensions

(Unit : mm)







Simultaneous Multi

Twin/Triple/Double Twin

REFRIGERANT R410A

ALL DC

Support various applications from open plan offices to retail stores, with up to 4 indoor units.

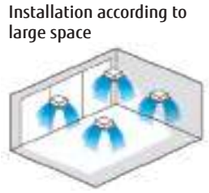
Selection of indoor units according to the room shape and heat load, like number of people and lighting conditions. Most comfortable air flow distribution can be realized.

Installation according to floor layout

Installation according to lighting conditions

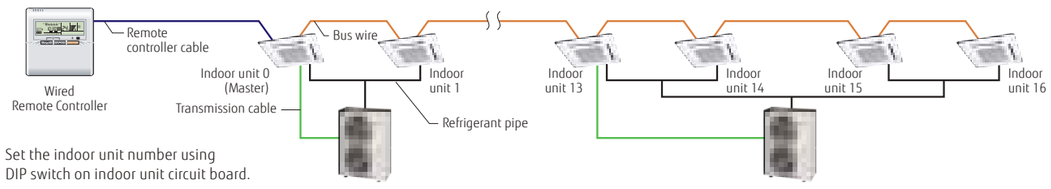
Installation according to layout and lighting conditions

Installation according to large space



Simultaneous control

Max 16 indoor units are simultaneously controlled with a wired remote controller.



Set the indoor unit number using DIP switch on indoor unit circuit board.

*When using a wireless remote controller, the following functions cannot be used: Timer operation, Sleep Timer operation, 10℃ Heat operation

Indoor unit lineup

6 types 18 models indoor units are provided, so you can select them depending on your room size and conditions.

Compact Cassette

Cassette

Slim Duct

Duct

Floor/Ceiling Universal

Ceiling

Model: AOYG72LRLA [3phase] / AOYG90LRLA [3phase]

Specifications (Indoor units/Outdoor units)

Indoor Units Model No.				Compact Cassette, Cassette					
				AUYG18LVLB	AUYG22LVLA	AUYG24LVLA	AUYG30LRLE	AUYG36LRLE	AUYG45LRLA
Power Source				Single-phase, ~230V, 50Hz					
Airflow Rate	Cooling	H/M/L/Q	m^3/h	750/610/520/410	930/830/600/450	930/830/600/450	1,600/1,400/1,270/1,150	1,800/1,400/1,270/1,150	1,900/1,640/1,460/1,250
	Heating	H/M/L/Q		800/710/600/450	930/860/700/530	930/830/600/450	1,800/1,400/1,270/1,150	1,800/1,400/1,270/1,150	1,900/1,640/1,460/1,250
Net Dimension H × W × D			mm	245×570×570	245×570×570	245×570×570	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
Weight			kg(lbs)	15 (33)	16 (35)	16 (35)	26 (57)	26 (57)	26 (57)
Cassette Grille				UTG-UFYD-W			UTG-UGYA-W		

Indoor Units Model No.				Duct					
				ARYG18LLTB	ARYG22LMLA	ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA
Power Source				Single-phase, ~230V, 50Hz					
Airflow Rate	Cooling	H/M/L/Q	m^3/h	940/880/820/750	1,100/910/750/580	1,100/910/750/580	1,900/1,620/1,270/980	1,900/1,620/1,270/980	2,100/1,750/1,350/1,070
	Heating	H/M/L/Q		940/880/820/750	1,100/910/750/580	1,100/910/750/580	2,100/1,620/1,270/980	2,100/1,620/1,270/980	2,100/1,750/1,350/1,070
Net Dimension H × W × D			mm	198 × 900 × 620	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700
Weight			kg(lbs)	23 (51)	38 (84)	38 (84)	40 (88)	40 (88)	40 (88)

Indoor Units Model No.				Floor/Ceiling, Ceiling					
				ABYG18LVTB	ABYG22LVTA	ABYG24LVTA	ABYG30LRTE	ABYG36LRTE	ABYG45LRTA
Power Source				Single-phase, ~230V, 50Hz					
Airflow Rate	Cooling	H/M/L/Q	m^3/h	780/700/560/500	980/820/680/540	980/820/680/540	1,660/1,500/1,200/1,000	1,900/1,500/1,200/1,000	2,100/1,700/1,400/1,100
	Heating	H/M/L/Q		780/700/560/500	980/820/680/540	980/820/680/540	1,660/1,500/1,200/1,000	1,900/1,500/1,200/1,000	2,100/1,700/1,400/1,100
Net Dimension H × W × D			mm	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655	240 × 1660 × 700	240 × 1660 × 700	240 × 1660 × 700
Weight			kg(lbs)	27 (60)	27 (60)	27 (60)	46 (101)	46 (101)	46 (101)

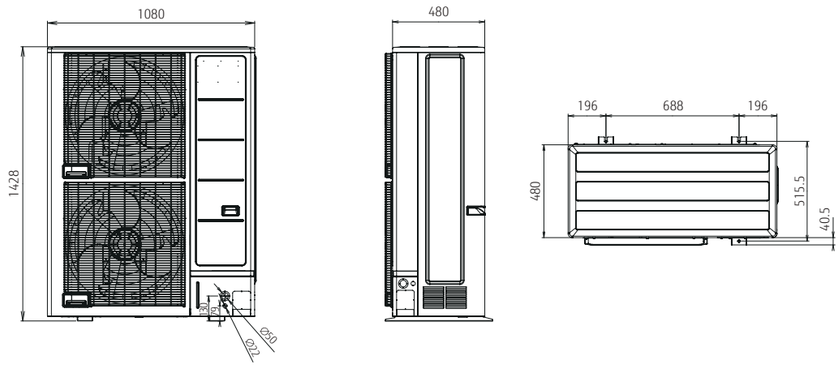
Outdoor Units Model No.			AOYG72LRLA	AOYG90LRLA
Capacity	Cooling	kW	19.0	22.0
	Heating		22.4	27.0
Power Source			3-phase, ~400V, 50Hz	
Sound Pressure Level (High)	Cooling	dB(A)	55	55
Airflow Rate	Cooling / Heating	m^3/h	8,400/8,400	8,400/9,000
Net Dimension H × W × D		mm	1,428×1,080×480	1,428×1,080×480
Weight		kg(lbs)	163 (359)	172 (378)
Connection Pipe Diameter (Liquid / Gas)		mm	12.7/25.4	12.7/25.4
Max Pipe Length (Pre-Charge)		m	100 (30)	100 (30)
Height Difference			30	30
Operation Range	Cooling	°CDB	–15 to 46	–15 to 46
	Heating		–20 to 24	–20 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	5.6 (11.7)	7.1 (14.8)

• Different type and capacity indoor units cannot be connected.
• The above table is the value for connecting with cassette type.

*: That specification is not fixed yet.

Dimensions

(Unit : mm)



New 2 Rooms Multi
Indoor Units Specifications

Wall mounted

Model No.	Indoor unit			ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	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	dB(A)	54	55	55	57
	Heating			56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	m^3/h	650/540/430/270	700/560/430/270	700/560/430/250	770/600/450/280
	Heating			720/580/460/330	750/610/470/330	770/640/520/330	800/660/520/340
Net Dimensions			mm	270x834x215	270x834x215	270x834x215	270x834x215
Weight			kg(lbs)	10 (22)	10 (22)	10 (22)	10 (22)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Wall mounted

Model No.	Indoor unit			ASYG07KMTB	ASYG09KMTB	ASYG12KMTB	ASYG14KMTB
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	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	dB(A)	54	55	55	57
	Heating			56	57	58	59
Airflow Rate	Cooling	H/M/L/Q	m^3/h	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	270x834x222	270x834x222	270x834x222	270x834x222
Weight			kg(lbs)	10 (22)	10 (22)	10 (22)	10 (22)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Compact cassette Grid type

Model No.	Indoor unit			AUXG07KVLA	AUXG09KVLA	AUXG12KVLA	AUXG14KVLA
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	33/31/29/27	33/31/29/27	37/34/31/28	38/35/32/29
	Heating			34/32/29/27	34/32/29/27	37/34/31/29	43/38/34/30
Sound Power Level	Cooling	H	dB(A)	46	46	49	50
	Heating			47	47	49	55
Airflow Rate	Cooling	H/M/L/Q	m^3/h	540/490/440/390	540/490/440/390	610/530/470/410	680/580/490/410
	Heating			540/490/440/390	540/490/440/390	610/530/470/410	790/680/580/450
Net Dimensions			mm	245x570x570	245x570x570	245x570x570	245x570x570
Weight			kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)
Panel				UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Mini duct

Model No.	Indoor unit			ARXG07KSLAP	ARXG09KSLAP	ARXG12KSLAP	ARXG14KSLAP
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23
	Heating			29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23
Sound Power Level	Cooling	H	dB(A)	52	54	55	60
	Heating			53	56	57	62
Airflow Rate	Cooling	H/M/L/Q	m^3/h	550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360
	Heating			550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360
Net Dimensions			mm	198x700x450	198x700x450	198x700x450	198x700x450
Weight			kg(lbs)	15.5 (34)	15.5 (34)	15.5 (34)	15.5 (34)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
External static pressure			Pa	0 to 30	0 to 30	0 to 30	0 to 50
Drain pump				Standard			

Slim duct

Model No.	Indoor unit			ARXG07KLLAP	ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26
	Heating			28/26/25/24	28/26/25/24	29/28/27/24	32/30/28/25
Sound Power Level	Cooling	H	dB(A)	57	57	58	60
	Heating			57	57	58	60
Airflow Rate	Cooling	H/M/L/Q	m^3/h	550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480
	Heating			550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480
Net Dimensions			mm	198x700x620	198x700x620	198x700x620	198x700x620
Weight			kg(lbs)	16 (35)	17 (37)	17 (37)	17 (37)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
External static pressure			Pa	0 to 90	0 to 90	0 to 90	0 to 90
Drain pump				Standard			

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2 - 8 Rooms Multi Indoor Units Specifications

Compact wall mounted

Model No.	Indoor unit			ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	35/30/28/21	36/32/28/21	37/34/31/21	41/36/33/25
	Heating			35/30/28/21	36/32/28/21	37/34/31/21	41/36/34/27
Sound Power Level	Cooling	H	dB(A)	53	54	55	59
	Heating			53	54	55	59
Airflow Rate	Cooling	H/M/L/Q	m^3/h	570/520/470/330	600/550/470/330	660/600/530/330	710/640/570/390
	Heating			570/520/470/330	600/550/470/330	660/600/530/330	710/640/590/430
Net Dimensions			mm	282×870×185	282×870×185	282×870×185	282×870×185
Weight			kg(lbs)	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70

Wall mounted

Model No.	Indoor unit			ASYG18LFCA	ASYG24LFCC
kW Class			kW	5.0	7.0
Power Source				Single-phase, ~230V, 50Hz	
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	43/37/33/26	49/42/37/33
	Heating			42/37/33/25	48/42/37/33
Sound Power Level	Cooling	H	dB(A)	58	64
	Heating			58	64
Airflow Rate	Cooling	H/M/L/Q	m^3/h	900/740/620/550	1,120/900/740/620
	Heating			900/740/620/550	1,100/900/740/620
Net Dimensions			mm	320×998×238	320×998×238
Weight			kg(lbs)	14 (30.8)	14 (30.8)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/12.70	6.35/15.88

Compact wall mounted

Model No.	Indoor unit			ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/32/29/21	37/33/29/21	40/36/30/21	42/38/33/25
	Heating			36/32/29/22	37/33/29/22	40/36/31/22	42/38/35/27
Sound Power Level	Cooling	H	dB(A)	51	52	54	56
	Heating			51	52	55	57
Airflow Rate	Cooling	H/M/L/Q	m^3/h	560/500/430/310	600/520/430/310	660/560/450/310	730/600/530/360
	Heating			560/500/430/330	600/520/430/330	660/560/470/330	730/615/560/375
Net Dimensions			mm	270×870×204	270×870×204	270×870×204	270×870×204
Weight			kg(lbs)	8.5 (18.7)	8.5 (18.7)	8.5 (18.7)	8.5 (18.7)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70

Floor

Model No.	Indoor unit			AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
kW Class			kW	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz		
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	39/34/28/22	42/36/30/22	44/38/31/22
	Heating			39/35/30/22	42/38/32/22	44/39/33/22
Sound Power Level	Cooling	H	dB(A)	52	55	56
	Heating			52	55	56
Airflow Rate	Cooling	H/M/L/Q	m^3/h	530/440/360/270	600/490/380/270	650/520/400/270
	Heating			530/460/380/270	600/510/410/270	650/540/430/270
Net Dimensions			mm	600×740×200	600×740×200	600×740×200
Weight			kg(lbs)	14 (30.7)	14 (30.7)	14 (30.7)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.70

Floor ceiling

Model No.	Indoor unit			ABYG14LVTA	ABYG18LVTB
kW Class			kW	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz	
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
	Heating			36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
Sound Power Level	Cooling	H	dB(A)	51	55
	Heating			51	55
Airflow Rate	Cooling	H/M/L/Q	m^3/h	640/590/540/480	780/700/560/500
	Heating			640/590/540/480	780/700/560/500
Net Dimensions			mm	199×990×655	199×990×655
Weight			kg(lbs)	27 (60)	27 (60)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/12.70	6.35/12.70

Compact cassette

Model No.	Indoor unit			AUYG07LVLA	AUYG09LVLA	AUYG12LVLB	AUYG14LVLB	AUYG18LVLB
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	33/31/29/27	33/31/29/27	37/33/31/28	40/35/32/29	42/37/33/29
	Heating			34/32/29/27	34/32/29/27	37/33/31/28	40/37/34/29	44/40/37/30
Sound Power Level	Cooling	H	dB(A)	46	46	49	52	54
	Heating			47	47	49	52	56
Airflow Rate	Cooling	H/M/L/Q	m^3/h	540/490/440/390	540/490/440/390	610/530/470/410	680/580/490/410	750/610/520/410
	Heating			540/490/440/390	540/490/440/390	610/530/470/410	700/620/550/430	800/710/600/450
Net Dimensions			mm	245×570×570	245×570×570	245×570×570	245×570×570	245×570×570
Weight			kg(lbs)	15(33.1)	15 (33.1)	15 (33.1)	15 (33.1)	15 (33.1)
Panel				UTG-UFYD-W				
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70

Mini duct

Model No.	Indoor unit			ARYG07LSLAP	ARYG09LSLAP	ARYG012LSLAP	ARYG14LSLAP	ARYG18LSLAP
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	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	dB(A)	52	54	55	60	58
	Heating			53	56	57	62	59
Airflow Rate	Cooling	H/M/L/Q	m^3/h	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(lbs)	15.5 (34.1)				18.5 (40.7)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52			6.35/12.70	
External static pressure			Pa	0 to 30			0 to 50	
Drain pump				Standard				

Slim duct

Model No.	Indoor unit			ARYG07LLTA	ARYG09LLTA	ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26	32/31/30/29
	Heating			28/26/25/24	28/26/25/24	29/28/27/24	33/30/28/25	33/32/31/29
Sound Power Level	Cooling	H	dB(A)	57	57	58	60	58
	Heating			57	57	58	61	59
Airflow Rate	Cooling	H/M/L/Q	m^3/h	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(lbs)	17 (37.5)	19 (41.8)	19 (41.8)	19 (41.8)	23 (50.6)
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.70
External static pressure			Pa	0 to 90				
Drain pump				Standard				

2 Rooms Multi Combination Table-Cooling/Heating

REFRIGERANT R32

2 Rooms Multi cooling

AOYG14KBTA2	Combination of Indoor Unit		COOLING OPERATION							
			Cooling Capacity			Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	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+++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
•The above is the value for connecting with Wall Mounted [KG] type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

AOYG18KBTA2	Combination of Indoor Unit		COOLING OPERATION							
			Cooling Capacity			Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	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+++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
•The above is the value for connecting with Wall Mounted [KG] type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 26000Btu from 14000Btu.

2 Rooms Multi heating

AOYG14KBTA2	Combination of Indoor Unit		HEATING OPERATION							
			Heating Capacity			Input Power (min-max)	COP	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SCOP	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	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++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
•The above is the value for connecting with Wall Mounted [KG] type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

AOYG18KBTA2	Combination of Indoor Unit		HEATING OPERATION							
			Heating Capacity			Input Power (min-max)	COP	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SCOP	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	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++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
•The above is the value for connecting with Wall Mounted [KG] type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 26000Btu from 14000Btu.

REFRIGERANT R410A

2 Rooms Multi cooling

AOYG14LAC2	Combination of Indoor Unit		COOLING OPERATION							
			Cooling Capacity			Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	7	7	2.00	2.00	4.00 (1.4 - 4.4)	1.09 (0.35 - 1.40)	3.67	4.0	6.7	A++
	7	9	1.95	2.05	4.00 (1.4 - 4.4)	1.09 (0.35 - 1.40)	3.67	4.0	6.6	A++
	7	12	1.65	2.35	4.00 (1.4 - 4.6)	1.05 (0.35 - 1.47)	3.81	4.0	6.5	A++
	9	9	2.00	2.00	4.00 (1.4 - 4.5)	1.09 (0.35 - 1.43)	3.67	4.0	6.6	A++
	9	12	1.70	2.30	4.00 (1.4 - 4.7)	1.05 (0.35 - 1.47)	3.81	4.0	6.5	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

AOYG18LAC2	Combination of Indoor Unit		COOLING OPERATION							
			Cooling Capacity			Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	7	7	2.10	2.10	4.20 (1.7 - 5.2)	1.24 (0.35 - 1.68)	3.39	4.2	7.0	A++
	7	9	2.10	2.50	4.60 (1.7 - 5.3)	1.26 (0.35 - 1.79)	3.65	4.6	6.8	A++
	7	12	1.90	3.10	5.00 (1.7 - 5.6)	1.55 (0.35 - 1.95)	3.23	5.0	6.5	A++
	7	14	1.80	3.20	5.00 (1.8 - 5.7)	1.55 (0.40 - 1.99)	3.23	5.0	6.5	A++
	9	9	2.50	2.50	5.00 (1.7 - 5.6)	1.56 (0.35 - 1.95)	3.21	5.0	6.6	A++
	9	12	2.10	2.90	5.00 (1.7 - 5.7)	1.55 (0.35 - 1.95)	3.23	5.0	6.5	A++
	9	14	2.00	3.00	5.00 (1.8 - 5.8)	1.55 (0.40 - 1.99)	3.23	5.0	6.4	A++
	12	12	2.50	2.50	5.00 (1.7 - 5.8)	1.56 (0.35 - 1.99)	3.21	5.0	6.4	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 24000Btu from 14000Btu.
•Where "14" means "wall mounted type" only models. Other types of indoor units cannot be connected.

2 Rooms Multi heating

AOYG14LAC2	Combination of Indoor Unit		HEATING OPERATION							
			Heating Capacity			Input Power (min-max)	COP	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SCOP	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	7	7	2.20	2.20	4.40 (1.1 - 5.4)	1.03 (0.25 - 1.78)	4.27	3.8	4.1	A+
	7	9	2.15	2.25	4.40 (1.1 - 5.4)	1.03 (0.25 - 1.78)	4.27	3.8	4.1	A+
	7	12	1.95	2.45	4.40 (1.1 - 5.5)	1.02 (0.25 - 1.76)	4.31	3.8	4.0	A+
	9	9	2.20	2.20	4.40 (1.1 - 5.4)	1.03 (0.25 - 1.78)	4.27	3.8	4.0	A+
	9	12	2.00	2.40	4.40 (1.1 - 5.5)	1.02 (0.25 - 1.76)	4.31	3.8	4.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

AOYG18LAC2	Combination of Indoor Unit		HEATING OPERATION							
			Heating Capacity			Input Power (min-max)	COP	Seasonal Data		
			Room 1	Room 2	Total Capacity (min-max)			Pdesign	SCOP	Energy efficiency class
			kW	kW	kW	kW		kW		
2 Room	7	7	2.70	2.70	5.40 (1.8 - 6.0)	1.24 (0.50 - 1.61)	4.37	3.8	4.1	A+
	7	9	2.50	3.00	5.50 (1.8 - 6.0)	1.36 (0.50 - 1.87)	4.04	4.0	4.1	A+
	7	12	2.30	3.30	5.60 (1.8 - 6.1)	1.38 (0.50 - 1.88)	4.06	4.2	4.0	A+
	7	14	2.25	3.35	5.60 (1.9 - 6.2)	1.35 (0.55 - 1.86)	4.15	4.2	4.0	A+
	9	9	2.80	2.80	5.60 (1.8 - 6.1)	1.41 (0.50 - 1.90)	3.97	4.2	4.1	A+
	9	12	2.45	3.15	5.60 (1.8 - 6.2)	1.38 (0.50 - 1.88)	4.07	4.2	4.0	A+
	9	14	2.35	3.25	5.60 (1.9 - 6.3)	1.35 (0.55 - 1.86)	4.15	4.2	4.0	A+
	12	12	2.80	2.80	5.60 (1.8 - 6.3)	1.34 (0.50 - 1.84)	4.18	4.2	4.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 24000Btu from 14000Btu.
•Where "14" means "wall mounted type" only models. Other types of indoor units cannot be connected.

REFRIGERANT R410A

3 Rooms Multi Combination Table-Cooling/Heating

3 Rooms Multi cooling

AOYG18LAT3	Combination of Indoor Unit			COOLING OPERATION								
				Cooling Capacity				Input Power (min-max)	EER	Seasonal Data		
				Room 1	Room 2	Room 3	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency
				kW	kW	kW	kW	kW		kW		
2 Room	7	7	-	2.30	2.30	-	4.60 (1.8 - 5.0)	1.22 (0.50 - 1.43)	3.77	4.6	6.3	A++
	7	9	-	2.30	2.70	-	5.00 (1.8 - 5.7)	1.35 (0.50 - 1.81)	3.70	5.0	6.2	A++
	7	12	-	1.98	3.02	-	5.00 (1.8 - 6.1)	1.34 (0.50 - 2.06)	3.73	5.0	6.2	A++
	7	14	-	1.88	3.42	-	5.30 (1.8 - 6.6)	1.34 (0.50 - 2.06)	3.96	5.3	6.1	A++
	9	9	-	2.50	2.50	-	5.00 (1.8 - 6.2)	1.35 (0.50 - 2.06)	3.70	5.0	6.2	A++
	9	12	-	2.18	2.82	-	5.00 (1.8 - 6.3)	1.35 (0.50 - 2.06)	3.70	5.0	6.2	A++
	9	14	-	2.07	3.23	-	5.30 (1.8 - 6.7)	1.35 (0.50 - 2.06)	3.93	5.3	6.1	A++
	12	12	-	2.55	2.55	-	5.10 (1.8 - 6.3)	1.35 (0.50 - 2.06)	3.78	5.1	6.1	A++
	12	14	-	2.41	2.89	-	5.30 (1.8 - 6.7)	1.35 (0.50 - 2.06)	3.93	5.3	6.1	A++
3 Room	7	7	7	1.80	1.80	1.80	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.9	A++
	7	7	9	1.70	1.70	2.00	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.9	A++
	7	7	12	1.53	1.53	2.33	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.7	A++
	7	7	14	1.41	1.41	2.58	5.40 (2.0 - 6.8)	1.35 (0.60 - 2.06)	4.00	5.4	6.7	A++
	7	9	9	1.61	1.89	1.89	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.8	A++
	7	9	12	1.46	1.72	2.22	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.7	A++
	7	9	14	1.35	1.58	2.47	5.40 (2.0 - 6.8)	1.35 (0.60 - 2.06)	4.00	5.4	6.7	A++
	9	9	9	1.80	1.80	1.80	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.8	A++
	9	9	12	1.64	1.64	2.12	5.40 (1.8 - 6.8)	1.35 (0.50 - 2.06)	4.00	5.4	6.7	A++

AOYG24LAT3	Combination of Indoor Unit			COOLING OPERATION								
				Cooling Capacity				Input Power (min-max)	EER	Seasonal Data		
				Room 1	Room 2	Room 3	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency
				kW	kW	kW	kW	kW		kW		
2 Room	7	7	-	2.30	2.30	-	4.60 (1.8 - 5.0)	1.20 (0.50 - 1.40)	3.83	4.6	6.3	A++
	7	9	-	2.30	2.70	-	5.00 (1.8 - 5.7)	1.36 (0.50 - 1.78)	3.68	5.0	6.2	A++
	7	12	-	2.38	3.42	-	5.80 (1.8 - 6.1)	1.70 (0.50 - 1.97)	3.41	5.8	6.1	A++
	7	14	-	2.37	4.13	-	6.50 (1.8 - 7.2)	1.91 (0.50 - 2.46)	3.40	6.5	6.0	A+
	7	18	-	2.08	4.52	-	6.60 (1.8 - 7.8)	1.91 (0.50 - 2.87)	3.46	6.6	5.9	A+
	9	9	-	2.75	2.75	-	5.50 (1.8 - 6.2)	1.55 (0.50 - 2.02)	3.55	5.5	6.1	A++
	9	12	-	2.79	3.41	-	6.20 (1.8 - 6.8)	1.90 (0.50 - 2.45)	3.26	6.2	5.9	A+
	9	14	-	2.66	3.94	-	6.60 (1.8 - 7.7)	1.91 (0.50 - 2.77)	3.46	6.6	6.0	A+
	9	18	-	2.35	4.35	-	6.70 (1.8 - 7.9)	1.91 (0.50 - 2.87)	3.51	6.7	5.9	A+
	12	12	-	3.15	3.15	-	6.30 (1.8 - 7.2)	1.90 (0.50 - 2.74)	3.32	6.3	5.9	A+
	12	14	-	3.03	3.67	-	6.70 (1.8 - 7.8)	1.91 (0.50 - 2.87)	3.51	6.7	5.9	A+
	12	18	-	2.66	4.04	-	6.70 (1.8 - 7.9)	1.92 (0.50 - 2.87)	3.49	6.7	5.8	A+
3 Room	7	7	7	2.23	2.23	2.23	6.70 (1.8 - 7.4)	1.89 (0.50 - 2.37)	3.54	6.7	6.4	A++
	7	7	9	2.14	2.14	2.52	6.80 (1.8 - 7.8)	1.94 (0.60 - 2.87)	3.51	6.8	6.4	A++
	7	7	12	1.98	1.98	2.84	6.80 (1.8 - 8.1)	1.93 (0.50 - 2.87)	3.52	6.8	6.3	A++
	7	7	14	1.82	1.82	3.16	6.80 (2.0 - 8.4)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	7	7	18	1.63	1.63	3.54	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.1	A++
	7	9	9	2.03	2.38	2.38	6.80 (1.8 - 8.2)	1.93 (0.50 - 2.87)	3.52	6.8	6.4	A++
	7	9	12	1.88	2.21	2.70	6.80 (1.8 - 8.2)	1.93 (0.50 - 2.87)	3.52	6.8	6.2	A++
	7	9	14	1.74	2.04	3.02	6.80 (2.0 - 8.4)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	7	9	18	1.56	1.84	3.40	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.1	A++
	7	12	12	1.76	2.52	2.52	6.80 (1.8 - 8.2)	1.94 (0.50 - 2.87)	3.51	6.8	6.2	A++
	7	12	14	1.63	2.34	2.83	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	9	9	9	2.27	2.27	2.27	6.80 (1.8 - 8.2)	1.94 (0.50 - 2.87)	3.51	6.8	6.4	A++
	9	9	12	2.11	2.11	2.58	6.80 (1.8 - 8.3)	1.94 (0.50 - 2.87)	3.51	6.8	6.2	A++
	9	9	14	1.95	1.95	2.89	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	9	9	18*1	1.77	1.77	3.27	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.1	A++
	9	12	12	1.97	2.41	2.41	6.80 (1.8 - 8.3)	1.94 (0.50 - 2.87)	3.51	6.8	6.2	A++
	9	12	14	1.84	2.24	2.72	6.80 (2.0 - 8.5)	1.94 (0.60 - 2.87)	3.51	6.8	6.2	A++
	12	12	12	2.27	2.27	2.27	6.80 (1.8 - 8.3)	1.94 (0.50 - 2.87)	3.51	6.8	6.1	A++

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The total ability of connectable indoor units is up to 36000Btu from 14000Btu.
*1: When ASYG18L is connected, connect at least 1 wall mounted type of 9000Btu.

3 Rooms Multi heating

AOYG18LAT3	Combination of Indoor Unit			HEATING OPERATION								
				Heating Capacity				Input Power (min-max)	COP	Seasonal Data		
				Room 1	Room 2	Room 3	Total Capacity (min-max)			Pdesign	SCOP	Energy efficiency
				kW	kW	kW	kW	kW		kW		
2 Room	7	7	-	2.70	2.70	-	5.40 (2.0 - 6.1)	1.59 (0.52 - 1.93)	3.40	4.0	4.1	A+
	7	9	-	2.75	3.25	-	6.00 (2.0 - 6.4)	1.87 (0.52 - 2.06)	3.21	4.0	4.1	A+
	7	12	-	2.59	3.71	-	6.30 (2.0 - 6.5)	1.98 (0.52 - 2.06)	3.18	4.0	4.1	A+
	7	14	-	2.51	4.29	-	6.80 (2.0 - 7.1)	1.92 (0.50 - 2.06)	3.54	4.0	4.1	A+
	9	9	-	3.15	3.15	-	6.30 (2.0 - 6.5)	1.98 (0.52 - 2.06)	3.18	4.0	4.1	A+
	9	12	-	2.89	3.51	-	6.40 (2.0 - 6.6)	1.99 (0.52 - 2.06)	3.22	4.0	4.1	A+
	9	14	-	2.77	4.03	-	6.80 (2.0 - 7.2)	1.91 (0.50 - 2.06)	3.56	4.0	4.1	A+
	12	12	-	3.20	3.20	-	6.40 (2.0 - 6.6)	1.98 (0.52 - 2.06)	3.23	4.0	4.1	A+
	12	14	-	3.09	3.71	-	6.80 (2.0 - 7.3)	1.90 (0.50 - 2.06)	3.58	4.0	4.1	A+
3 Room	7	7	7	2.27	2.27	2.27	6.80 (2.0 - 7.7)	1.62 (0.50 - 2.06)	4.20	5.0	4.3	A+
	7	7	9	2.14	2.14	2.52	6.80 (2.0 - 7.8)	1.62 (0.50 - 2.06)	4.20	5.0	4.3	A+
	7	7	12	1.98	1.98	2.83	6.80 (2.0 - 7.8)	1.59 (0.50 - 2.06)	4.28	5.0	4.3	A+
	7	7	14	1.83	1.83	3.14	6.80 (2.0 - 8.0)	1.61 (0.50 - 2.06)	4.22	5.0	4.3	A+
	7	9	9	2.03	2.39	2.39	6.80 (2.0 - 7.8)	1.60 (0.50 - 2.06)	4.25	5.0	4.3	A+
	7	9	12	1.89	2.22	2.69	6.80 (2.0 - 7.9)	1.59 (0.50 - 2.06)	4.28	5.0	4.3	A+
	7	9	14	1.75	2.06	2.99	6.80 (2.0 - 8.0)	1.60 (0.50 - 2.06)	4.25	5.0	4.3	A+
	9	9	9	2.27	2.27	2.27	6.80 (2.0 - 7.9)	1.59 (0.50 - 2.06)	4.28	5.0	4.3	A+
	9	9	12	2.12	2.12	2.57	6.80 (2.0 - 7.9)	1.59 (0.50 - 2.06)	4.28	5.0	4.3	A+

AOYG24LAT3	Combination of Indoor Unit			HEATING OPERATION								
				Heating Capacity				Input Power (min-max)	COP	Seasonal Data		
				Room 1	Room 2	Room 3	Total Capacity (min-max)			Pdesign	SCOP	Energy efficiency
				kW	kW	kW	kW	kW		kW		
2 Room	7	7	-	2.75	2.75	-	5.50 (2.0 - 6.1)	1.55 (0.52 - 1.93)	3.55	4.0	4.1	A+
	7	9	-	2.80	3.30	-	6.10 (2.0 - 7.0)	1.82 (0.52 - 2.52)	3.35	4.0	4.1	A+
	7	12	-	2.88	4.12	-	7.00 (2.0 - 7.3)	2.31 (0.52 - 2.66)	3.03	4.0	4.1	A+
	7	14	-	2.80	4.80	-	7.60 (2.0 - 8.3)	2.28 (0.50 - 2.87)	3.33	4.0	4.1	A+
	7	18	-	2.51	5.39	-	7.90 (2.0 - 8.3)	2.34 (0.50 - 2.87)	3.38	4.0	4.1	A+
	9	9	-	3.30	3.30	-	6.60 (2.0 - 7.4)	2.04 (0.52 - 2.68)	3.24	4.0	4.1	A+
	9	12	-	3.30	4.00	-	7.30 (2.0 - 7.7)	2.43 (0.52 - 2.87)	3.00	4.0	4.1	A+
	9	14	-	3.22	4.68	-	7.90 (2.0 - 8.3)	2.38 (0.50 - 2.87)	3.32	4.0	4.1	A+
	9	18	-	2.84	5.16	-	8.00 (2.0 - 8.5)	2.32 (0.50 - 2.87)	3.45	4.0	4.1	A+
	12	12	-	3.80	3.80	-	7.60 (2.0 - 7.8)	2.54 (0.52 - 2.87)	2.99	4.0	4.1	A+
	12	14	-	3.59	4.31	-	7.90 (2.0 - 8.4)	2.37 (0.50 - 2.87)	3.33	4.0	4.1	A+
	12	18	-	3.20	4.80	-	8.00 (2.0 - 8.6)	2.31 (0.50 - 2.87)	3.46	4.0	4.1	A+
3 Room	7	7	7	2.60	2.60	2.60	7.80 (2.0 - 8.6)	1.94 (0.50 - 2.68)	4.02	5.0	4.3	A+
	7	7	9	2.52	2.52	2.96	8.00 (2.0 - 8.8)	2.00(0.50 - 2.87)	4.00	5.2	4.2	A+
	7	7	12	2.34	2.34	3.32	8.00 (2.0 - 8.9)	1.99 (0.50 - 2.80)	4.02	5.2	4.2	A+
	7	7	14	2.16	2.16	3.68	8.00 (2.0 - 9.2)	1.91 (0.50 - 2.72)	4.19	5.2	4.2	A+
	7	7	18	1.94	1.94	4.12	8.00 (2.0 - 9.2)	1.89 (0.50 - 2.70)	4.23	5.2	4.2	A+
	7	9	9	2.38	2.81	2.81	8.00(2.0 - 9.0)	1.99 (0.50 - 2.87)	4.02	5.2	4.2	A+
	7	9	12	2.23	2.62	3.15	8.00 (2.0 - 9.1)	1.98 (0.50 - 2.87)	4.04	5.2	4.2	A+
	7	9	14	2.06	2.42	3.52	8.00 (2.0 - 9.2)	1.91 (0.50 - 2.72)	4.19	5.2	4.2	A+
	7	9	18	1.85	2.18	3.97	8.00 (2.0 - 9.2)	1.89 (0.50 - 2.69)	4.23	5.2	4.2	A+
	7	12	12	2.08	2.96	2.96	8.00 (2.0 - 9.1)	1.97 (0.50 - 2.87)	4.06	5.2	4.2	A+
	7	12	14	1.93	2.76	3.31	8.00 (2.0 - 9.2)	1.90 (0.50 - 2.70)	4.21	5.2	4.2	A+
	9	9	9	2.67	2.67	2.67	8.00 (2.0 - 9.1)	1.98 (0.50 - 2.87)	4.04	5.2	4.2	A+
	9	9	12	2.49	2.49	3.02	8.00 (2.0 - 9.2)	1.97 (0.50 - 2.87)	4.06	5.2	4.2	A+
	9	9	14	2.32	2.32	3.37	8.00 (2.0 - 9.2)	1.89 (0.50 - 2.70)	4.23	5.2	4.2	A+
	9	9	18*1	2.10	2.10	3.81	8.00 (2.0 - 9.2)	1.87 (0.50 - 2.68)	4.28	5.2	4.2	A+
	9	12	12	2.34	2.83	2.83	8.00 (2.0 - 9.2)	1.96 (0.50 - 2.80)	4.08	5.2	4.2	A+
	9	12	14	2.18	2.64	3.17	8.00 (2.0 - 9.2)	1.89 (0.50 - 2.69)	4.23	5.2	4.2	A+
	12	12	12	2.67	2.67	2.67	8.00 (2.0 - 9.2)	1.95 (0.50 - 2.78)	4.10	5.2	4.2	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 36000Btu from 14000Btu.
*1: When ASYG18L is connected, connect at least 1 wall mounted type for 9000Btu.

REFRIGERANT R410A

4 Rooms Multi Combination Table-Cooling/Heating

4 Rooms Multi cooling

AOYG30LAT4	Combination of Indoor Unit				COOLING OPERATION									
					Cooling Capacity					Input Power (min-max)	EER	Seasonal Data		
					Room 1	Room 2	Room 3	Room 4	Total Capacity (min-max)			Pdesign	SEER	Energy efficiency
					kW	kW	kW	kW	kW	kW		kW		
3 Room	7	7	14	-	1.96	1.96	3.27	-	7.20 (1.6 - 8.9)	2.22 (0.68 - 3.43)	3.24	7.2	5.9	A+
	7	7	18	-	1.81	1.81	4.08	-	7.70 (2.8 - 10.0)	2.22 (0.98 - 3.55)	3.47	7.7	5.8	A+
	7	7	24	-	1.61	1.61	4.57	-	7.80 (2.8 - 10.1)	2.19 (0.98 - 3.53)	3.56	7.8	5.8	A+
	7	9	12	-	2.08	2.34	2.78	-	7.20 (1.6 - 8.9)	2.22 (0.68 - 3.41)	3.24	7.2	5.9	A+
	7	9	14	-	1.90	2.14	3.16	-	7.20 (2.8 - 9.1)	2.22 (0.98 - 3.56)	3.24	7.2	5.9	A+
	7	9	18	-	1.76	1.98	3.96	-	7.70 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.47	7.7	5.8	A+
	7	9	24	-	1.57	1.77	4.46	-	7.80 (2.8 - 10.1)	2.19 (0.98 - 3.53)	3.56	7.8	5.8	A+
	7	12	12	-	1.96	2.62	2.62	-	7.20 (1.6 - 9.1)	2.22 (0.68 - 3.54)	3.24	7.2	5.9	A+
	7	12	14	-	1.83	2.43	3.04	-	7.30 (2.8 - 9.2)	2.22 (0.98 - 3.56)	3.29	7.3	5.9	A+
	7	12	18	-	1.68	2.24	3.78	-	7.70 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.47	7.7	5.8	A+
	7	12	24	-	1.51	2.01	4.28	-	7.80 (2.8 - 10.1)	2.19 (0.98 - 3.56)	3.56	7.8	5.8	A+
	7	14	14	-	1.68	2.81	2.81	-	7.30 (2.8 - 9.3)	2.22 (0.98 - 3.58)	3.29	7.3	5.9	A+
	7	14	18	-	1.57	2.61	3.52	-	7.70 (3.5 - 10.0)	2.22 (1.17 - 3.58)	3.47	7.7	5.8	A+
	7	14	24	-	1.44	2.39	4.07	-	7.90 (3.5 - 10.1)	2.20 (1.17 - 3.58)	3.59	7.9	5.8	A+
	7	18	18	-	1.42	3.19	3.19	-	7.80 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.51	7.8	5.7	A+
	7	18	24	-	1.30	2.92	3.68	-	7.90 (4.7 - 10.1)	2.22 (1.27 - 3.58)	3.56	7.9	5.7	A+
	9	9	9	-	2.40	2.40	2.40	-	7.20 (2.8 - 8.9)	2.22 (0.98 - 3.42)	3.24	7.2	5.9	A+
	9	9	12	-	2.26	2.26	2.68	-	7.20 (2.8 - 9.1)	2.22 (0.98 - 3.54)	3.24	7.2	5.9	A+
	9	9	14	-	2.10	2.10	3.11	-	7.30 (2.8 - 9.2)	2.22 (0.98 - 3.57)	3.29	7.3	5.9	A+
	9	9	18	-	1.93	1.93	3.85	-	7.70 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.47	7.7	5.8	A+
	9	9	24	-	1.73	1.73	4.35	-	7.80 (2.8 - 10.1)	2.20 (1.17 - 3.54)	3.55	7.8	5.8	A+
	9	12	12	-	2.14	2.53	2.53	-	7.20 (2.8 - 9.1)	2.22 (0.98 - 3.54)	3.24	7.2	5.9	A+
	9	12	14	-	1.99	2.36	2.95	-	7.30 (2.8 - 9.2)	2.22 (0.98 - 3.57)	3.29	7.3	5.9	A+
	9	12	18	-	1.84	2.18	3.68	-	7.70 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.47	7.7	5.8	A+
	9	12	24	-	1.66	1.97	4.18	-	7.80 (2.8 - 10.1)	2.19 (0.98 - 3.56)	3.56	7.8	5.8	A+
	9	14	14	-	1.84	2.73	2.73	-	7.30 (3.5 - 9.3)	2.22 (1.17 - 3.58)	3.29	7.3	5.9	A+
	9	14	18	-	1.74	2.58	3.48	-	7.80 (3.5 - 10.0)	2.22 (1.17 - 3.58)	3.51	7.8	5.8	A+
	9	14	24	-	1.58	2.34	3.98	-	7.90 (3.5 - 10.1)	2.22 (1.27 - 3.56)	3.56	7.9	5.8	A+
	9	18	18	-	1.56	3.12	3.12	-	7.80 (4.7 - 10.1)	2.22 (1.27 - 3.58)	3.51	7.8	5.7	A+
	12	12	12	-	2.43	2.43	2.43	-	7.30 (2.8 - 9.2)	2.22 (0.98 - 3.55)	3.29	7.3	5.9	A+
	12	12	14	-	2.28	2.28	2.85	-	7.40 (2.8 - 9.3)	2.22 (0.98 - 3.58)	3.33	7.4	5.9	A+
	12	12	18	-	2.12	2.12	3.57	-	7.80 (3.5 - 10.0)	2.22 (1.17 - 3.57)	3.51	7.8	5.8	A+
	12	12	24	-	1.92	1.92	4.07	-	7.90 (3.5 - 10.1)	2.20 (1.17 - 3.54)	3.59	7.9	5.8	A+
	12	14	14	-	2.11	2.64	2.64	-	7.40 (3.5 - 9.4)	2.22 (1.17 - 3.58)	3.33	7.4	5.9	A+
	12	14	18	-	1.98	2.48	3.34	-	7.80 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.51	7.8	5.8	A+
	12	18	18	-	1.81	3.05	3.05	-	7.90 (4.7 - 10.1)	2.22 (1.27 - 3.58)	3.56	7.9	5.7	A+
4 Room	7	7	7	7	1.93	1.93	1.93	1.93	7.70 (1.6 - 9.6)	2.20 (0.68 - 3.41)	3.50	7.7	6.2	A++
	7	7	7	9	1.89	1.89	1.89	2.13	7.80 (1.6 - 9.8)	2.22 (0.68 - 3.54)	3.51	7.8	6.2	A++
	7	7	7	12	1.83	1.83	1.83	2.41	7.90 (1.6 - 9.9)	2.22 (0.68 - 3.54)	3.56	7.9	6.1	A++
	7	7	7	14	1.70	1.70	1.70	2.80	7.90 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.56	7.9	6.1	A++
	7	7	7	18	1.52	1.52	1.52	3.43	8.00 (2.8 - 10.1)	2.20 (0.98 - 3.55)	3.64	8.0	6.0	A+
	7	7	9	9	1.86	1.86	2.09	2.09	7.90 (2.8 - 9.7)	2.22 (0.98 - 3.42)	3.56	7.9	6.2	A++
	7	7	9	12	1.78	1.78	1.99	2.35	7.90 (2.8 - 9.9)	2.22 (0.98 - 3.55)	3.56	7.9	6.1	A++
	7	7	9	14	1.68	1.68	1.88	2.76	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.57)	3.60	8.0	6.1	A++
	7	7	9	18	1.49	1.49	1.67	3.35	8.00 (3.5 - 10.1)	2.20 (1.17 - 3.55)	3.64	8.0	6.0	A+
	7	7	12	12	1.72	1.72	2.28	2.28	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.55)	3.60	8.0	6.1	A++
	7	7	12	14	1.61	1.61	2.13	2.65	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.57)	3.60	8.0	6.1	A++
	7	7	12	18	1.43	1.43	1.91	3.22	8.00 (3.5 - 10.1)	2.20 (1.17 - 3.56)	3.64	8.0	6.0	A+
	7	7	14	14	1.50	1.50	2.50	2.50	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	7	14	18	1.35	1.35	2.25	3.04	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	9	9	9	1.81	2.03	2.03	2.03	7.90 (2.8 - 9.9)	2.22 (0.98 - 3.56)	3.56	7.9	6.2	A++
	7	9	9	12	1.76	1.96	1.96	2.32	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.56)	3.60	8.0	6.1	A++
	7	9	9	14	1.64	1.83	1.83	2.70	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.1	A++
	7	9	9	18	1.45	1.64	1.64	3.27	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	7	9	12	12	1.68	1.88	2.22	2.22	8.00 (2.8 - 10.0)	2.22 (0.98 - 3.56)	3.60	8.0	6.1	A++
	7	9	12	14	1.57	1.76	2.08	2.59	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	9	12	18	1.40	1.58	1.87	3.15	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	7	9	14	14	1.48	1.66	2.43	2.43	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	9	14	18	1.32	1.49	2.21	2.98	8.00 (4.7 - 10.1)	2.22 (1.27 - 3.57)	3.60	8.0	6.0	A+
	7	12	12	12	1.61	2.13	2.13	2.13	8.00 (2.8 - 10.1)	2.22 (0.98 - 3.56)	3.60	8.0	6.0	A+
	7	12	12	14	1.51	2.00	2.00	2.49	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	7	12	12	18	1.35	1.80	1.80	3.04	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	7	12	14	14	1.41	1.89	2.35	2.35	8.00 (3.5 - 10.1)	2.22 (1.17 - 3.58)	3.60	8.0	6.0	A+
	9	9	9	9	2.00	2.00	2.00	2.00	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.2	A++
	9	9	9	12	1.91	1.91	1.91	2.27	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.1	A++
	9	9	9	14	1.79	1.79	1.79	2.63	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	9	18*1	1.60	1.60	1.60	3.20	8.00 (4.7 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	12	12	1.83	1.83	2.17	2.17	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	12	14	1.72	1.72	2.03	2.53	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	12	18*2	1.54	1.54	1.83	3.09	8.00 (4.7 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	9	14	14	1.62	1.62	2.38	2.38	8.00 (4.7 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	12	12	12	1.76	2.08	2.08	2.08	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	12	12	14	1.66	1.95	1.95	2.44	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	9	12	14	14	1.55	1.85	2.30	2.30	8.00 (4.7 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+
	12	12	12	12	2.00	2.00	2.00	2.00	8.00 (3.5 - 10.0)	2.22 (1.17 - 3.56)	3.60	8.0	6.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•3 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 49000Btu from 27000Btu.
*1: Connection of ASYG18L + ARYG09L + ARYG09L + ARYG09L is not available. All types other than this combination can be connected.
*2: Connection of ASYG18L + ARYG12L + ARYG09L + ARYG09L is not available. All types other than this combination can be connected.

4 Rooms Multi heating

AOYG30LAT4	Combination of Indoor Unit				HEATING OPERATION									
					Heating Capacity					Input Power (min-max)	COP	Seasonal Data		
					Room 1	Room 2	Room 3	Room 4	Total Capacity (min-max)			Pdesign	SCOP	Energy efficiency
					kW	kW	kW	kW	kW	kW		kW		
3 Room	7	7	14	-	2.42	2.42	4.15	-	9.00 (1.8 - 10.1)	2.66 (0.58 - 3.53)	3.38	5.8	3.8	A
	7	7	18	-	2.27	2.27	4.86	-	9.40 (3.3 - 11.2)	2.46 (0.87 - 3.52)	3.82	5.8	3.8	A
	7	7	24	-	2.03	2.03	5.44	-	9.50 (3.3 - 11.5)	2.47 (0.87 - 3.52)	3.85	5.8	3.8	A
	7	9	12	-	2.49	2.94	3.56	-	9.00 (1.8 - 10.0)	2.69 (0.58 - 3.51)	3.35	5.8	3.8	A
	7	9	14	-	2.33	2.75	4.00	-	9.10 (3.3 - 10.2)	2.64 (0.87 - 3.50)	3.45	5.8	3.8	A
	7	9	18	-	2.17	2.56	4.66	-	9.40 (3.3 - 11.3)	2.45 (0.87 - 3.50)	3.84	5.8	3.8	A
	7	9	24	-	1.98	2.33	5.29	-	9.60 (3.3 - 11.5)	2.46 (0.87 - 3.51)	3.90	5.8	3.8	A
	7	12	12	-	2.33	3.33	3.33	-	9.00 (1.8 - 10.1)	2.66 (0.58 - 3.48)	3.38	5.8	3.8	A
	7	12	14	-	2.22	3.17	3.80	-	9.20 (3.3 - 10.3)	2.62 (0.87 - 3.48)	3.51	5.8	3.8	A
	7	12	18	-	2.08	2.97	4.45	-	9.50 (3.3 - 11.4)	2.44 (0.87 - 3.47)	3.89	5.8	3.8	A
	7	12	24	-	1.88	2.69	5.03	-	9.60 (3.3 - 11.7)	2.45 (0.87 - 3.56)	3.92	5.8	3.8	A
	7	14	14	-	2.10	3.60	3.60	-	9.30 (3.3 - 10.6)	2.59 (0.87 - 3.48)	3.59	5.8	3.8	A
	7	14	18	-	1.96	3.35	4.19	-	9.50 (3.7 - 11.5)	2.42 (0.97 - 3.52)	3.93	5.8	3.8	A
	7	14	24	-	1.78	3.05	4.77	-	9.60 (3.3 - 11.7)	2.45 (0.87 - 3.56)	3.92	5.8	3.8	A
	7	18	18	-	1.82	3.89	3.89	-	9.60 (3.7 - 12.0)	2.40 (0.97 - 3.52)	4.00	5.8	3.8	A
	7	18	24	-	1.65	3.53	4.42	-	9.60 (4.3 - 12.0)	2.40 (1.12 - 3.52)	4.00	5.8	3.8	A
	9	9	9	-	3.00	3.00	3.00	-	9.00 (3.3 - 10.0)	2.69 (0.87 - 3.51)	3.35	5.8	3.8	A
	9	9	12	-	2.80	2.80	3.39	-	9.00 (3.3 - 10.1)	2.67 (0.87 - 3.48)	3.37	5.8	3.8	A
	9	9	14	-	2.66	2.66	3.87	-	9.20 (3.3 - 10.3)	2.63 (0.87 - 3.48)	3.50	5.8	3.8	A
	9	9	18	-	2.49	2.49	4.52	-	9.50 (3.7 - 11.4)	2.44 (0.97 - 3.48)	3.89	5.8	3.8	A
	9	9	24	-	2.25	2.25	5.11	-	9.60 (3.7 - 11.7)	2.45 (0.97 - 3.57)	3.92	5.8	3.8	A
	9	12	12	-	2.65	3.22	3.22	-	9.10 (3.3 - 10.3)	2.65 (0.87 - 3.52)	3.43	5.8	3.8	A
	9	12	14	-	2.53	3.07	3.69	-	9.30 (3.3 - 10.5)	2.61 (0.87 - 3.52)	3.56	5.8	3.8	A
	9	12	18	-	2.36	2.86	4.29	-	9.50 (3.7 - 11.4)	2.43 (0.97 - 3.47)	3.91	5.8	3.8	A
	9	12	24	-	2.14	2.59	4.86	-	9.60 (3.7 - 11.8)	2.44 (0.97 - 3.55)	3.93	5.8	3.8	A
	9	14	14	-	2.38	3.46	3.46	-	9.30 (3.7 - 10.7)	2.58 (0.97 - 3.46)	3.60	5.8	3.8	A
	9	14	18	-	2.22	3.23	4.04	-	9.50 (3.7 - 11.6)	2.41 (0.97 - 3.51)	3.94	5.8	3.8	A
	9	14	24	-	2.03	2.95	4.62	-	9.60 (4.3 - 11.9)	2.42 (1.12 - 3.57)	3.97	5.8	3.8	A
	9	18	18	-	2.07	3.76	3.76	-	9.60 (4.3 - 12.0)	2.40 (1.12 - 3.52)	4.00	5.8	3.8	A
	12	12	12	-	3.07	3.07	3.07	-	9.20 (3.3 - 10.3)	2.63 (0.87 - 3.49)	3.50	5.8	3.8	A
	12	12	14	-	2.91	2.91	3.49	-	9.30 (3.3 - 10.6)	2.59 (0.87 - 3.49)	3.59	5.8	3.8	A
	12	12	18	-	2.71	2.71	4.07	-	9.50 (3.7 - 11.6)	2.42 (0.97 - 3.52)	3.93	5.8	3.8	A
	12	12	24	-	2.48	2.48	4.65	-	9.60 (3.7 - 11.8)	2.43 (0.97 - 3.54)	3.95	5.8	3.8	A
	12	14	14	-	2.76	3.32	3.32	-	9.40 (3.7 - 10.8)	2.40 (0.97 - 3.50)	3.92	5.8	3.8	A
	12	14	18	-	2.57	3.08	3.85	-	9.50 (3.7 - 11.6)	2.40 (0.97 - 3.49)	3.96	5.8	3.8	A
	12	18	18	-	2.40	3.60	3.60	-	9.60 (4.3 - 12.0)	2.40 (1.12 - 3.52)	4.00	5.8	3.8	A
4 Room	7	7	7	7	2.35	2.35	2.35	2.35	9.40 (1.8 - 10.8)	2.43 (0.58 - 3.47)	3.87	6.2	4.0	A+
	7	7	7	9	2.27	2.27	2.27	2.68	9.50 (1.8 - 10.9)	2.42 (0.58 - 3.51)	3.88	6.2	4.0	A+
	7	7	7	12	2.14	2.14	2.14	3.06	9.50 (1.8 - 11.1)	2.41 (0.58 - 3.55)	3.94	6.2	4.0	A+
	7	7	7	14	2.04	2.04	2.04	3.49	9.60 (3.3 - 11.3)	2.38 (0.87 - 3.56)	4.03	6.2	4.0	A+
	7	7	7	18	1.87	1.87	1.87	4.00	9.60 (3.3 - 12.0)	2.27 (0.87 - 3.56)	4.23	6.2	4.0	A+
	7	7	9	9	2.18	2.18	2.57	2.57	9.50 (3.3 - 10.9)	2.41 (0.87 - 3.44)	3.94	6.2	4.0	A+
	7	7	9	12	2.06	2.06	2.43	2.95	9.50 (3.3 - 11.1)	2.40 (0.87 - 3.54)	3.96	6.2	4.0	A+
	7	7	9	14	1.96	1.96	2.31	3.36	9.60 (3.3 - 11.4)	2.38 (0.87 - 3.54)	4.03	6.2	4.0	A+
	7	7	9	18	1.80	1.80	2.13	3.87	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.55)	4.23	6.2	4.0	A+
	7	7	12	12	1.98	1.98	2.82	2.82	9.60 (3.3 - 11.3)	2.39 (0.87 - 3.57)	4.02	6.2	4.0	A+
	7	7	12	14	1.87	1.87	2.67	3.20	9.60 (3.3 - 11.5)	2.36 (0.87 - 3.58)	4.07	6.2	4.0	A+
	7	7	12	18	1.72	1.72	2.46	3.69	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.58)	4.23	6.2	4.0	A+
	7	7	14	14	1.77	1.77	3.03	3.03	9.60 (3.7 - 11.8)	2.34(0.97 - 3.58)	4.10	6.2	4.0	A+
	7	7	14	18	1.64	1.64	2.81	3.51	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.56)	4.23	6.2	4.0	A+
	7	9	9	9	2.09	2.47	2.47	2.47	9.50 (3.3 - 11.2)	2.40 (0.87 - 3.54)	4.00	6.2	4.0	A+
	7	9	9	12	2.01	2.36	2.36	2.87	9.60 (3.3 - 11.3)	2.39(0.87 - 3.58)	4.02	6.2	4.0	A+
	7	9	9	14	1.89	2.23	2.23	3.25	9.60 (3.7 - 11.5)	2.37 (0.97 - 3.58)	4.05	6.2	4.0	A+
	7	9	9	18	1.75	2.06	2.06	3.74	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.58)	4.23	6.2	4.0	A+
	7	9	12	12	1.91	2.25	2.72	2.72	9.60 (3.3 - 11.4)	2.38 (0.87 - 3.58)	4.03	6.2	4.0	A+
	7	9	12	14	1.80	2.13	2.58	3.09	9.60 (3.7 - 11.6)	2.35 (0.97 - 3.58)	4.09	6.2	4.0	A+
	7	9	12	18	1.67	1.97	2.39	3.58	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.58)	4.23	6.2	4.0	A+
	7	9	14	14	1.71	2.02	2.94	2.94	9.60 (3.7 - 11.8)	2.33 (0.97 - 3.58)	4.12	6.2	4.0	A+
	7	9	14	18	1.59	1.87	2.73	3.41	9.60 (4.3 - 12.0)	2.27 (1.12 - 3.58)	4.23	6.2	4.0	A+
	7	12	12	12	1.81	2.59	2.59	2.59	9.60 (3.3 - 11.5)	2.37 (0.87 - 3.58)	4.05	6.2	4.0	A+
	7	12	12	14	1.72	2.46	2.46	2.95	9.60 (3.7 - 11.7)	2.34 (0.97 - 3.58)	4.10	6.2	4.0	A+
	7	12	12	18	1.60	2.29	2.29	3.43	9.60 (3.7 - 12.0)	2.27 (0.97 - 3.56)	4.23	6.2	4.0	A+
	7	12	14	14	1.64	2.34	2.81	2.81	9.60 (3.7 - 11.9)	2.32 (0.97 - 3.58)	4.14	6.2	4.0	A+
	9	9	9	9	2.40	2.40	2.40	2.40	9.60 (3.7 - 11.3)	2.40 (0.97 - 3.58)	4.00	6.2	4.0	A+
	9	9	9	12	2.28	2.28	2.28	2.76	9.60 (3.7 - 11.4)	2.38 (0.97 - 3.58)	4.03	6.2	4.0	A+
	9	9	9	14	2.16	2.16	2.16	3.14	9.60 (3.7 - 11.6)	2.36 (0.97 - 3.58)	4.07	6.2	4.0	A+
	9	9	9	18*1	1.99	1.99	1.99	3.62	9.60 (4.3 - 12.0)	2.27 (1.12 - 3.58)	4.23	6.2	4.0	A+
	9	9	12	12	2.17	2.17	2.63	2.63	9.60 (3.7 - 11.5)	2.37 (0.97 - 3.58)	4.05	6.2	4.0	A+
	9	9	12	14	2.06	2.06	2.49	2.99	9.60 (3.7 - 11.7)	2.35 (0.97 - 3.58)	4.09	6.2	4.0	A+
	9	9	12	18*2	1.91	1.91	2.31	3.47	9.60 (4.3 - 12.0)	2.27 (1.12 - 3.58)	4.23	6.2	4.0	A+
	9	9	14	14	1.96	1.96	2.84	2.84	9.60 (4.3 - 11.9)	2.33 (1.12 - 3.58)	4.12	6.2	4.0	A+
	9	12	12	12	2.07	2.51	2.51	2.51	9.60 (3.7 - 11.6)	2.36 (0.97 - 3.58)	4.07	6.2	4.0	A+
	9	12	12	14	1.97	2.39	2.39	2.87	9.60 (3.7 - 11.8)	2.34 (0.97 - 3.58)	4.10	6.2	4.0	A+
	9	12	14	14	1.87	2.27	2.73	2.73	9.60 (4.3 - 11.9)	2.31 (1.12 - 3.58)	4.16	6.2	4.0	A+
	12	12	12	12	2.40	2.40	2.40	2.40	9.60 (3.7 - 11.6)	2.35 (0.97 - 3.58)	4.09	6.2	4.0	A+

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•3 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 49000Btu from 27000Btu.
*1: Connection of ASYG18L + ARYG09L + ARYG09L + ARYG09L is not available. All types other than this combination can be connected.
*2: Connection of ASYG18L + ARYG12L + ARYG09L + ARYG09L is not available. All types other than this combination can be connected.