Notice regarding 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, check with our authorized dealers.
- Cooling and heating capacities are based on the following conditions:

Cooling	Indoor temp. : 27°C DB/19°C WB Outdoor temp.: 35°C DB/24°C WB	Heating	Indoor temp. : 20°C DB Outdoor temp.: 7°C DB/6°C WB

- Performance tests are conducted in accordance with EN14511.
- Seasonal efficiency tests are conducted in accordance with EN14825.
- Sound power tests are conducted in accordance with EN12102.

Fujitsu General (Thailand) Co., Ltd.

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

Fujitsu General (Shanghai) Co., Ltd.

ISO 9001 Certification number: 01 100 79269

ISO 14001 Certification number: CNBJ312244-UK

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

ISO 9001 Certification number: 15917Q20073RSM

ISO 14001 Certification number: 15918E20021RSM

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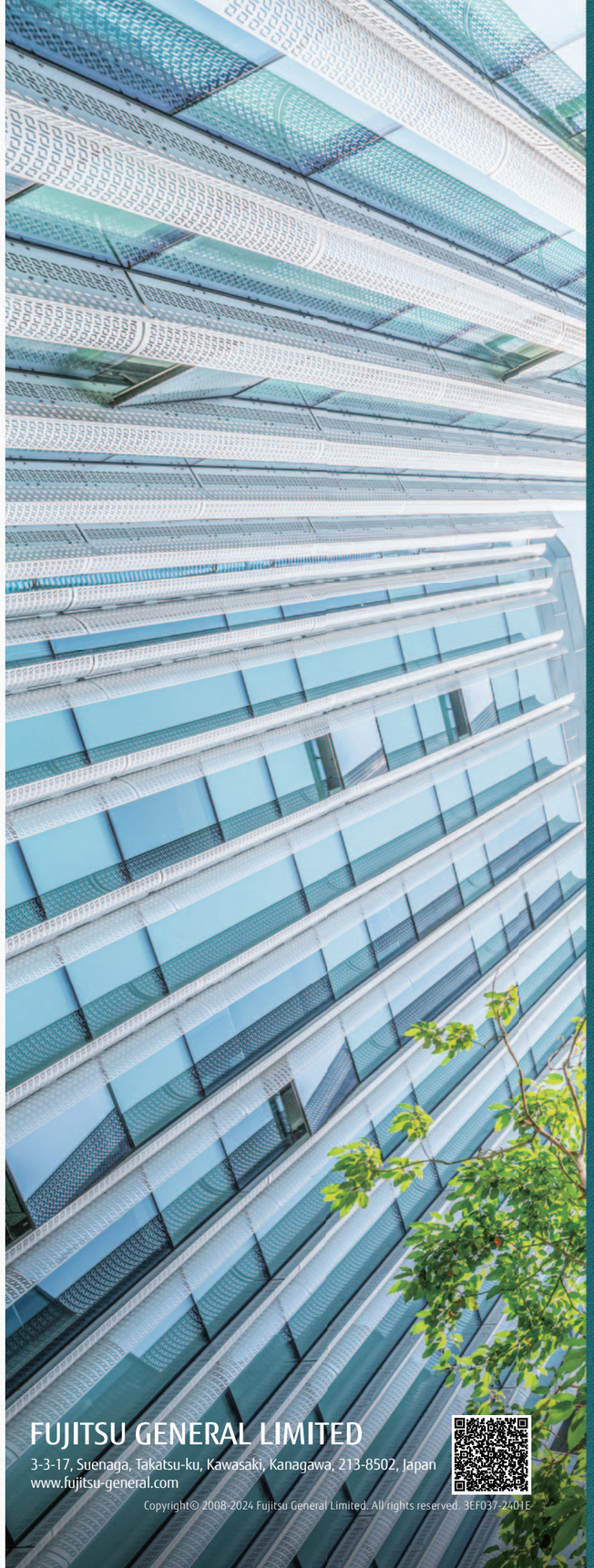

FUJITSU GENERAL LIMITED
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www.fujitsu-general.com

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FUJITSU

PRODUCT CATALOGUE 2024 AIR CONDITIONERS LINEUP

FUJITSU GENERAL LIMITED

FUJITSU

PRODUCT CATALOGUE 2024

AIR CONDITIONERS LINEUP

FUJITSU GENERAL LIMITED

OUR MESSAGE
SOLUTIONS
SPLIT
MULTI-SPLIT
VRF
VENTILATION
CONTROL SYSTEM& OPTIONAL PARTS
AIR TO WATER
SUPPORT

The FUJITSU GENERAL Way

Our mission

Living together for our future

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

Our philosophy

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

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

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

CONTENTS

004 OUR MESSAGE

006 Sustainable
008 Cleanliness
010 Future
012 Comfort
014 Control
016 Design

018 History
020 Worldwide locations
022 Global business activities
024 Project references
026 Global development & Production bases
028 High-quality development & Production Facilities
030 2024 New Products

034 SOLUTIONS

036 For Light Commercial Use
044 For Commercial Use
046 For Apartments & Houses

PRODUCT LINEUP

SPLIT & MULTI-SPLIT
VRF
VENTILATION
CONTROL SYSTEM & OPTIONAL PARTS
AIR TO WATER

SUPPORT

Sp-002 VRF Support
Sp-004 HVAC System design Support Tool
Sp-006 Air To Water Support Tool
Sp-008 Quick Service & Maintenance
Sp-010 AIRSTAGE Service Monitor Tool
Sp-012 Service Tool
Sp-013 Web monitoring tool

OUR MESSAGE

for Sustainable

for Cleanliness

for Future

Innovation
and
Globalization

for Comfort

for Control

for Design

We create comfortable lives for people around the world with "made-in-Japan quality" and innovative manufacturing.

- History
- Worldwide locations
- Global business activities
- Project references
- Global development & Production bases
- High-quality development & Production facilities

Sustainable

Sustainable management

We see the challenge of expanding our business by contributing to the realization of a sustainable society as a core element of our growth strategy, and we are working on “sustainable management, ” based on the three pillars of “harmonious coexistence with our planet,” “social contribution,” and “care for employees.”

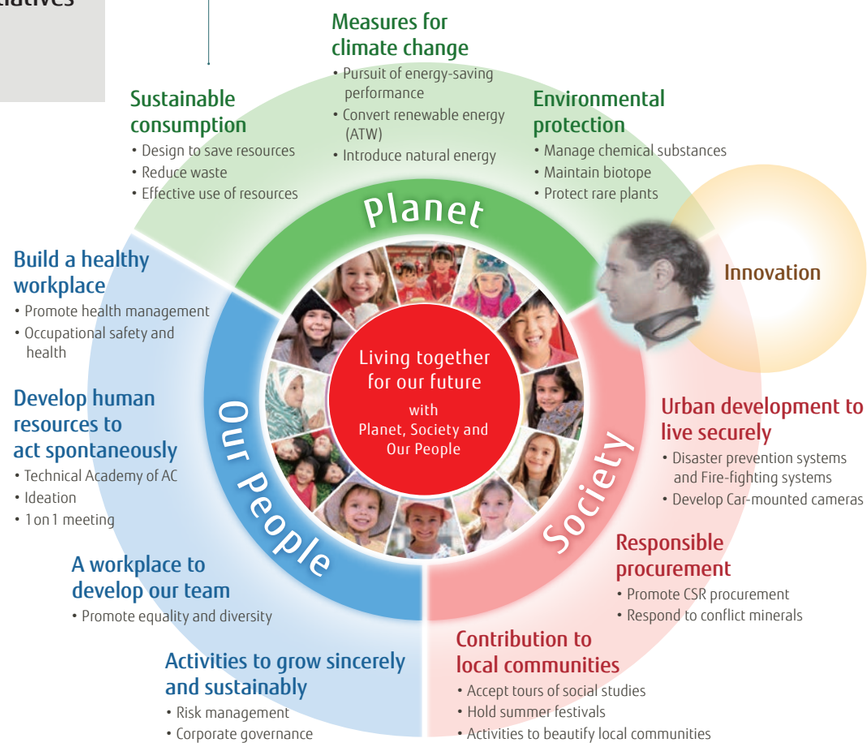
Basic policy on sustainable management

The sustainable development goals (SDGs) of the UN will drive business creation in the coming years. The key principle of the SDGs, “Leave no one behind,” is synonymous with our own corporate philosophy of “Living together for our future.” The promotion of sustainable management is carried out from a medium- to long-term perspective, with a promise to shape a sustainable society for the children and society of the future. We will pursue business growth by accelerating this transformation.

Key Initiatives

Planet (Harmonious coexistence with our planet)

- Contributing to global warming mitigation measures
- Contributing to a circulating society



Our People (Care for employees)

- Strategic implementation of health and productivity management
- Creating flexible work styles under COVID-19
- Enhancing human resource development

Society (Social contribution)

Fostering innovation to address social issues (Providing a healthy, clean, and safe society and environment)

Cleanliness

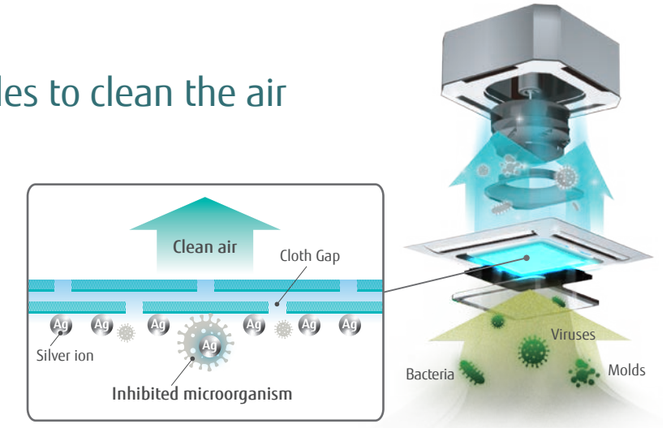
Think about air quality

Fresh air is essential for comfortable air conditioning. Fujitsu General offers a wide range of air conditioning products with air purification functions, such as ventilation systems equipped with high-performance filters and heat exchangers.

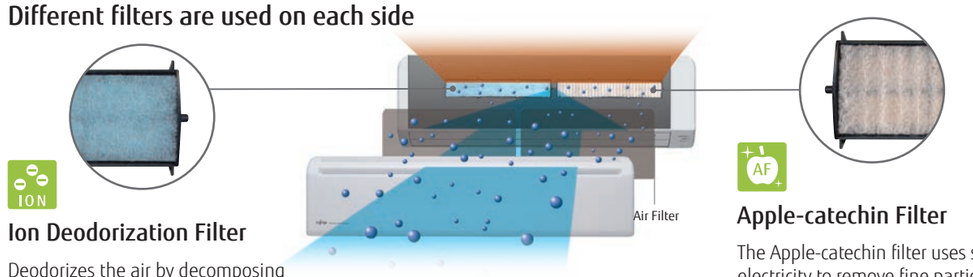
Collecting dust particles to clean the air

Silver Ion Filter

The Silver ion filter helps to keep indoor air free from viruses, bacteria and molds.
Notice: Not a result of experiments in an actual use environment. Silver ion filter inhibits activity or growth of microorganism, but do not prevent infection.



Different filters are used on each side



Ion Deodorization Filter

Deodorizes the air by decomposing absorbed odors using the oxidizing and odor-reducing effects of ions generated by ultra-fine particle ceramic.

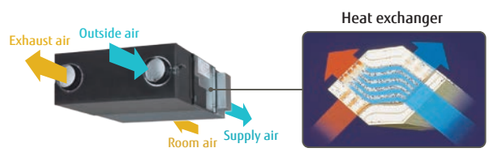
Apple-catechin Filter

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

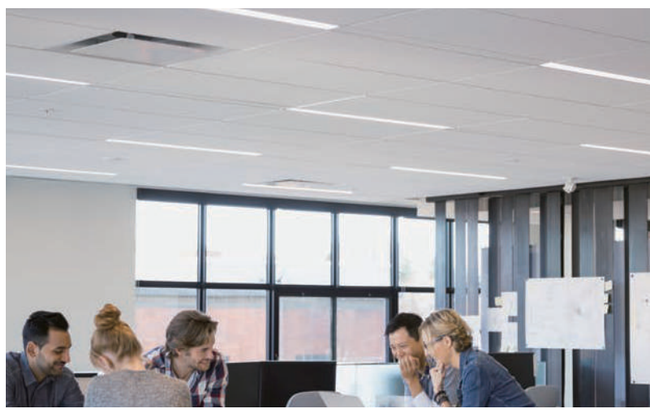
Ventilation with adequate airflow with reduced temperature changes

Heat Exchange Ventilation

When a room is cooled or heated, the exhausted cooling or heating energy is recovered by heat exchange ventilation.



Adopts a high-efficiency counterflow heat exchange element



Future

The green refrigerant

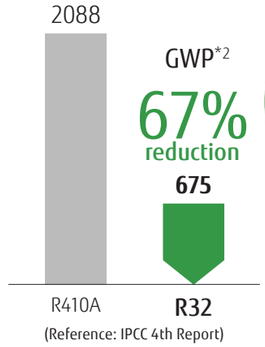
Throughout our research and development process, we are constantly striving to create products that we can be proud of in the future. The technologies we have cultivated through these efforts are incorporated into our environmentally friendly products, and are recognized in the European market, which has extremely strict environmental regulations.

R32 refrigerant with reduced global warming potential

- **Zero** Ozone Depletion Potential (ODP*1)
- High environmental properties
- High performance
- Economically efficient

*1 **ODP (Ozone Depleting Potential):** a relative value that indicates the impact per unit weight of ozone-depleting substances released into the atmosphere when CFC-11 (trichlorofluoromethane, CCl3F) is fixed at 1.0

*2 **GWP (Global Warming Potential):** a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO_2.

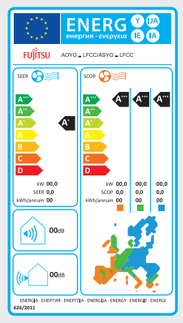


Low GWP to a wide range of projects

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

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 operation)	SCOP (Heating operation)
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

Fujitsu General's Environmental Vision

Medium-Term Environmental Plan: Target and Measure

	Target	Measure
Reduction of Our Own Environmental Impact Achieve	Achieve carbon neutrality by FY2025 [Old Target] Greenhouse gas emissions from our Group's business activities: Completely eliminate by FY2030	1. Renewable energy conversion: Existing plants (by FY2023) 2. Renewable energy conversion: All Group companies (by FY2025) → Achieved 1 and 2 ahead of schedule (April 2022) 3. Shift to use of renewable energy for all other energy used (by FY2025)
Through Our Supply Network	Reduction of 30% for total greenhouse gas emissions through our supply Network by FY2035 (vs. FY2018)	• Promotion of green electricity use by our suppliers • Reduction of material consumption and product weight
For our Customers and Society	Reduce greenhouse gas emissions from the use of our products. Reduction of 30% by FY2030 (vs. FY2013)	• Replace constant-speed A/C with inverter A/C (India and Middle East) • Enhance energy efficiency

Comfort

Comfortable airflow design

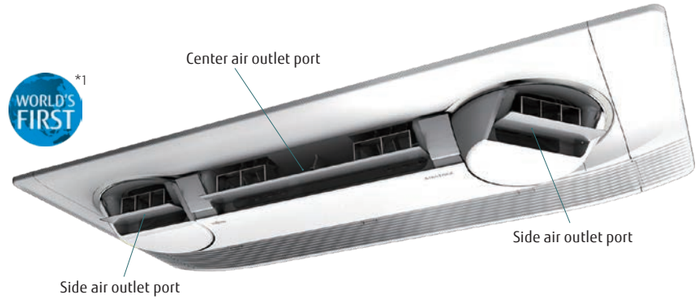
Pursuing the potential of air conditioners and true comfort, Fujitsu General has developed and commercialized numerous world-first technologies, and these concepts are reflected in the design of our products.

Cassette type 3D flow Series

3 individually controlled air outlet ports

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

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



Cassette type One-way flow Series

Wide airflow range created by triangle design and large flap

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

Cassette type Circular flow Series

Unique circular flow design

This Series realizes a Circular Flow to blow a large airflow in a 360° direction by using a high-performance DC fan motor, turbo fan, and a unique seamless airflow louver design.

Auto louver grille kit for Mini duct and Slim duct

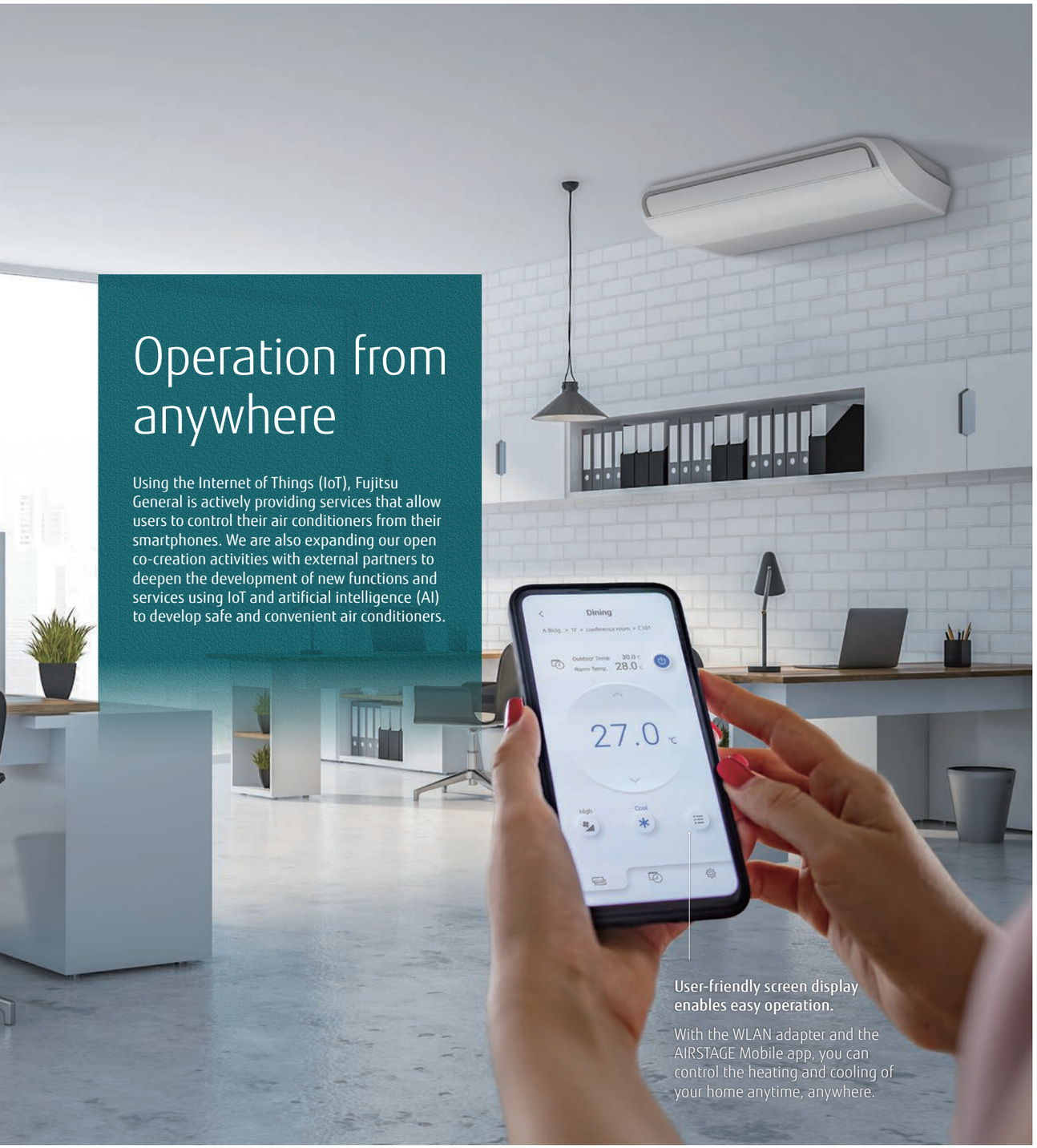
Flexible Control

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

Control

Operation from anywhere

Using the Internet of Things (IoT), Fujitsu General is actively providing services that allow users to control their air conditioners from their smartphones. We are also expanding our open co-creation activities with external partners to deepen the development of new functions and services using IoT and artificial intelligence (AI) to develop safe and convenient air conditioners.



User-friendly screen display enables easy operation.

With the WLAN adapter and the AIRSTAGE Mobile app, you can control the heating and cooling of your home anytime, anywhere.

Voice control via smart speaker

Connecting with a smart speaker allows the user to operate the air conditioner and check its operation status just by talking to it.

Software application for WLAN Adapter

"AIRSTAGE Mobile" is a software application that allows users to control Fujitsu General air conditioners from anywhere with a mobile device while out or on the move.

WLAN adapter (USB)

\+

AIRSTAGE Mobile

Download Free

Download on the App Store

Google play

Compact wired remote controller

Large screen and simple display

- Large screen, yet compact in size
- Large, easy-to-read letters are used.
- The controls are simple and easy to understand.

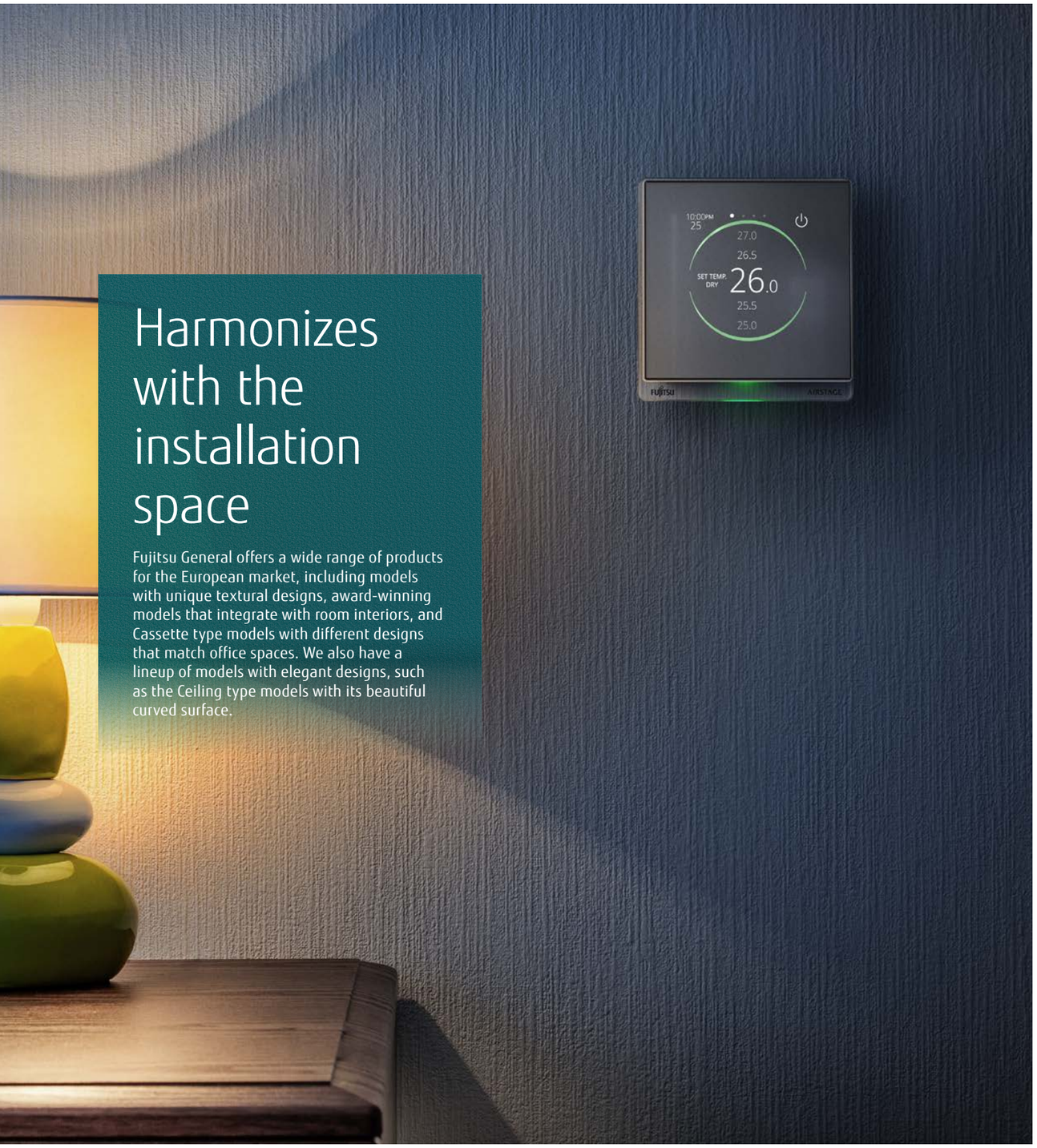
Central remote controller for VRF system

The central remote controller uses a touch panel screen to display multiple menus on the top screen. Just touch the menu you want to operate, and the necessary window will pop up, and allow intuitive operation.

Remote monitoring and operation

The central remote controller enables monitoring and control of a tenant's air conditioner anytime, anywhere.

Design



Harmonizes with the installation space

Fujitsu General offers a wide range of products for the European market, including models with unique textural designs, award-winning models that integrate with room interiors, and Cassette type models with different designs that match office spaces. We also have a lineup of models with elegant designs, such as the Ceiling type models with its beautiful curved surface.

Light Elegant Design

New Ceiling type design

The light, elegant and three-dimensional expression achieved by the curved surface gives a sense of comfort and well-being.

reddot winner 2020

NEW KN Series KL Series

New "Elegant & Smart" Square Design

New Wall-mounted type design

Smart design with ridges and subtle shade

*Image is KN Series

NEW

Sleek and Stylish Design

New designed wired remote controller

When not in use, the controller is a part of the interior decor. This is achieved by using mirrors, glass, and clear panel, and it appears to be on with the wall.

FEATURED FINALIST 2023

GOOD DESIGN

NEW

Stylish design

New outdoor unit for Air to Water Future Release

A design that offers a sophisticated style that is quiet and blends in with the outdoor landscape.

History Yaou Shoten Ltd. established in 1936

Overseas air conditioning business since 1971

Starts air conditioning business in Japan in 1960

1971 Air conditioner exports to the Middle East.

1977 "Super Power, Super Quiet" Series released

1982 Window type 3 Super Series released

AL/AX Series

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

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

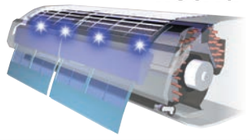
1994 World's first air conditioner with power diffuser

2001 AIRSTAGE Series released VRF air conditioners for large buildings

AIRSTAGE

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

nocria



2004 Standalone Compact VRF AIRSTAGE J Series released

AIRSTAGE J

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

AIRSTAGE V

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

2009 Air to water system released

WATERSTAGE

1950 ~ | 1970 ~ | 2000 ~

For Light commercial use

2011 Compact 2 Fan type VRF AIRSTAGE J-II Series released

2014 Compact 1 Fan type VRF AIRSTAGE J-IIS Series released

2016 Compact 2 Fan type VRF AIRSTAGE J-III Series released

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

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

WORLD'S FIRST *4

2019
New cassette style released
3D Flow Cassette

For Commercial use

2012 VRF AIRSTAGE VR-II Series released

2014-15 VRF AIRSTAGE VR-III Series released

2020 Heat Recovery Modular type VRF AIRSTAGE VR-IV Series & AIRSTAGE Air handling unit released

2022 Energy-saving operation model VRF V-IV Series released

VRF V-IV

For Residential use

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

WORLD'S FIRST *5 REFRIGERANT R32

nocria X

2017 Flagship Wall-mounted type "nocria X" released

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

2022 Harmonizes beautifully design model KE Series released

2010 ~

For Commercial use

REFRIGERANT R32

VRF J-VS

2024 New VRF products with R32 refrigerant released

For Light commercial use

For Residential use

REFRIGERANT R32

Split & Multi-split
New Wall-mounted type & Duct type with high-energy saving released

KG Series

KM Series

KN Series

New "Elegant & Smart" Square Design model released

Cooling-enhanced type
High-efficiency operation even at high outdoor temperatures

KL Series

Wired Remote Controller
Simple and stylish design that harmonizes with the installation space

2024 What's New

Manufacturing Company Establishment

1955 Head Office established in Kawasaki

1964 Electronic components factory in Ichinoseki

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

1991 Air conditioner manufacturing company in Thailand

1994 Air conditioner manufacturing company in Shanghai, China

1998 Air conditioner motor manufacturing company in Thailand

2006 VRF air conditioner manufacturing, sale, and service company in China

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

2009 Compressor Factory begins operation in Thailand

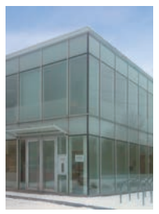
2012 Joint venture in Thailand to manufacture compressors

2016 Commercial use air conditioner R&D Center in Thailand

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

2020 Building IoT - based manufacturing in Thailand

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



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

Fujitsu General (EURO) GmbH

Sales & service maintenance company established

1976 North America sales company

1977 Europe sales company (UK)

1978 Australia sales company and Europe sales company (Germany)

1980 Brazil sales company

1997 Asia sales company (Singapore)

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

2000 Air conditioner manufacturing and sale technical partnership in India

2002 Taiwan sales company

2006 China sales company

2016 THE AIRSTAGE on Broadway in New York

THE AIRSTAGE ON BROADWAY
Fujitsu General Solution Center

2023 Communication Lounge EURO:
New lounge in Dusseldorf, Germany

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

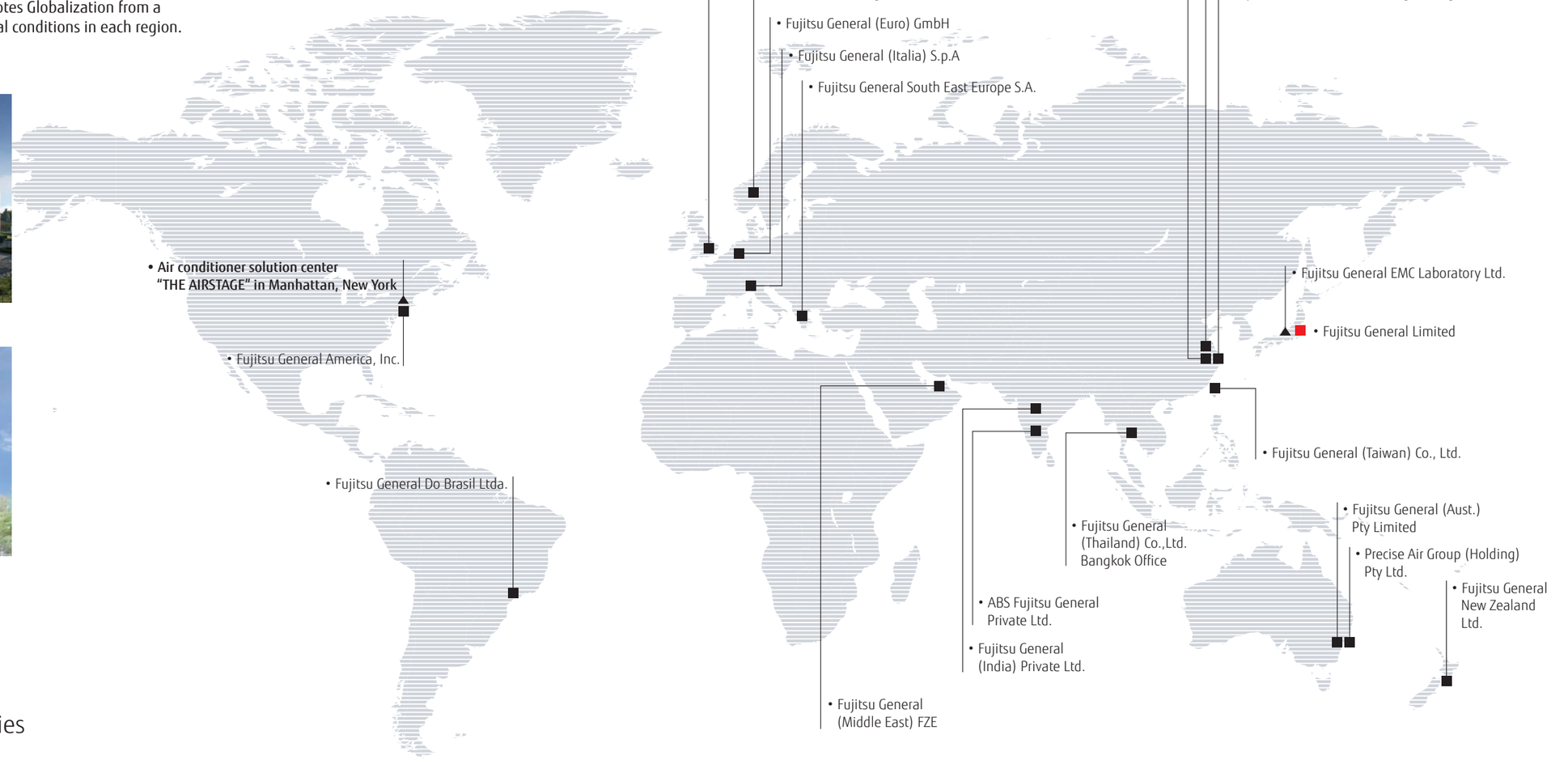
*4: Announced 2018. In room air conditioner for the commercial (Our company's investigation) *5: Announced 2012. In room air conditioner for the home (Our company's investigation)

Worldwide locations

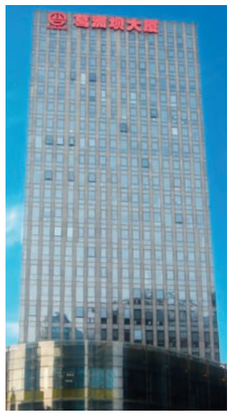
Under a system of five bases in Europe, the Middle East, Asia and Oceania, North and South America, and Japan, the company promotes Globalization from a worldwide perspective while emphasizing the actual conditions in each region.

JAPAN Head Office

Technology research building (Japan)



18 Overseas Sales Companies



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

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

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

Fujitsu General Electronics (Suzhou) Co., Ltd.

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

Fujitsu General (EURO) GmbH (Germany)

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

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

Fujitsu General (India) Private Ltd. (India)

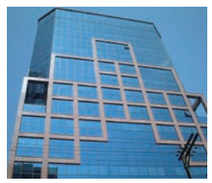
Fujitsu General (Aust.) Pty Ltd. (Australia)

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

Fujitsu General New Zealand Ltd. (New Zealand)

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

ABS Fujitsu General Private Ltd. (India)



Fujitsu General Do Brasil Ltda. (Brasil)

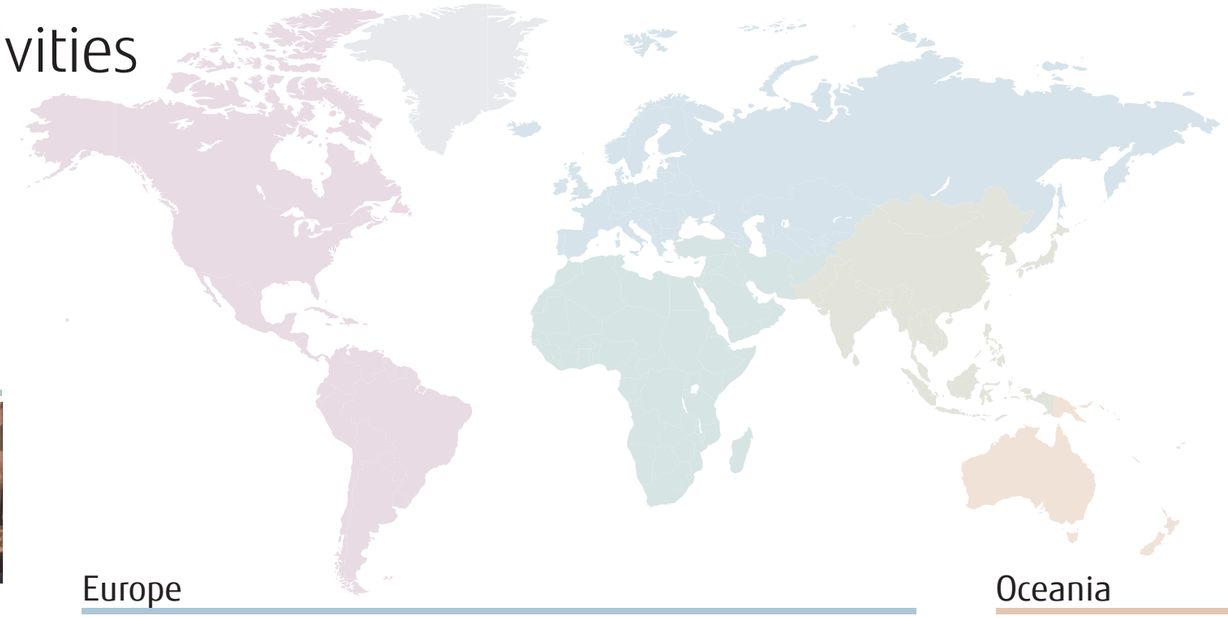
Fujitsu General America, Inc. (U.S.A.)

Kløver Vest Holdings AS (Norway)

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

Global business activities

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

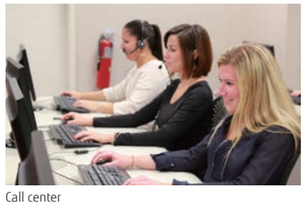


North and South Americas

AHR Expo

HVAC trade shows in Brazil

Distributor conference in USA

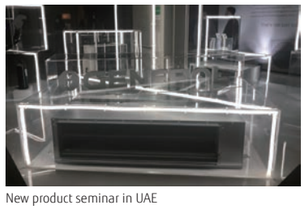

Call center

Middle East

Exhibition

Training in Kuwait

Launch event in Oman


New product seminar in UAE

Europe

HVAC trade show in Germany

HVAC trade show in Germany

Training seminar in Italy

Training in Germany

Event in the United Kingdom

Oceania

HVAC trade show in Australia

Launch event in New Zealand

Launch event in New Zealand

Asia

Thanksgiving party in Taiwan

Exhibition in India

Opening ceremony in India

New product presentation seminar in Singapore

Service training in Vietnam

International authoritative design awards

The NEWS Dealer Design Awards

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

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

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

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

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

reddot winner 2020

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

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

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

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

China State Construction Engineering Luban Prize

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

Project references

Introduced in over 50 countries worldwide

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

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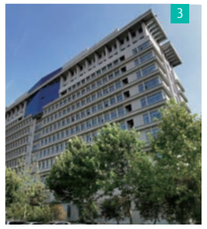

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For Light commercial use

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

10

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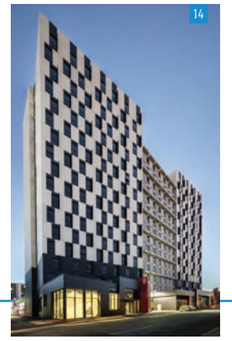

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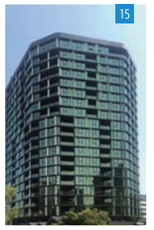

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17

For Commercial use

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

18

19

20

21

For Residential use

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

Global development
& Production bases

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

- Head office
- R&D center
- Manufacturing companies

R&D center & Technology Research Building

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

North America R&D Center (USA)

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

R&D center in Fujitsu General (Shanghai)

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

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

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 Electronics Ltd. (Japan)

Fujitsu General (Thailand) Co., Ltd. (Thailand) Factory-2

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

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

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

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

High-quality development
& Production facilities

Advanced Research Facilities and Equipment

Fujitsu General is one of Japan's leading manufacturers with R&D centers in Japan. The research and development conducted in these facilities contributes to providing our customers with the highest quality and performance.

Performance tests

Airflow measurement room
Measure the airflow of air conditioners, from compact room air conditioner models to variable refrigerant flow (VRF) systems.

Calorimeter
Measure the temperature, humidity, and airflow at the inlet and outlet of the air conditioner to evaluate its cooling and heating capacity.

Silent room
Measure the operating sounds of air conditioners on walls and ceilings with reduced sound reflection.

Reliability tests

Constant temperature room
Verify product performance in cooling and heating operations under various temperature and humidity conditions.

Practical test room
Check whether the performance of the air conditioner can be sustained under the conditions of the actual housing environment.

Shower test room
Check if the electrical box of the outdoor unit is protected from strong wind and rain, such as during a typhoon.

Transportation and Handling Tests

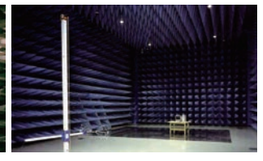
Compressibility test

Vibration test

Technology research building
in Japan Head office

Testing laboratory

Fujitsu General EMC Laboratory Limited

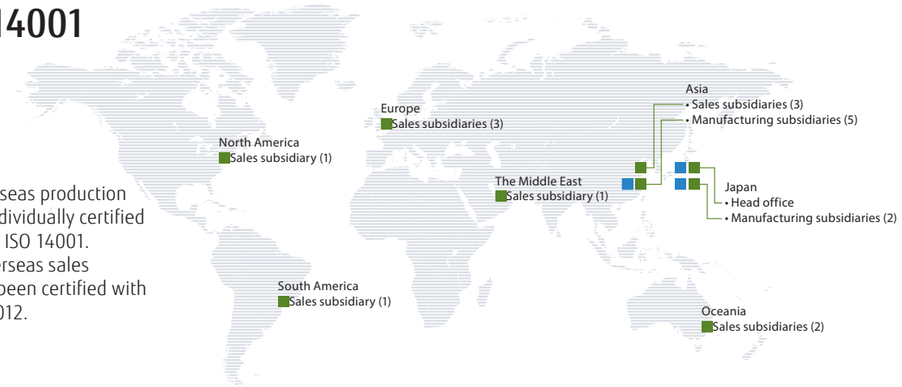


60-m Height Difference testing tower

Tests oil circulation in a compressor for reliability.

Certification of ISO 9001 and ISO 14001

■ ISO 9001
■ ISO 14001
( ) Number of companies



The Group's 5 overseas production subsidiaries are individually certified with ISO 9001 and ISO 14001.
The Group's 11 overseas sales subsidiaries have been certified with ISO 14001 since 2012.

Product Quality Assurance

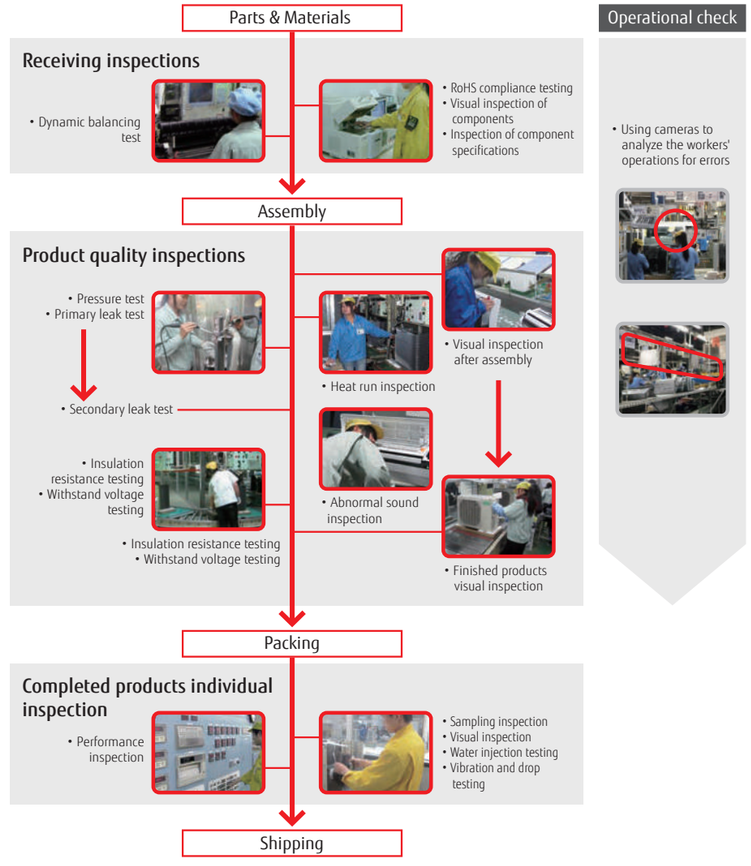
All Fujitsu General plants are ISO 9001 certified and operate under a unified quality control system. We deliver to customers all over the world high-quality products that have passed stringent quality inspections.

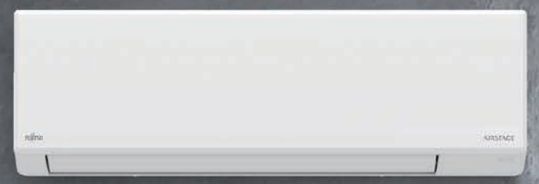
Receiving inspection

We require all our parts suppliers to submit test reports to ensure that all parts we receive from them meet our quality standards. Our in-house test department inspects incoming parts to ensure their compliance with RoHS as required by the EU. We also conduct 100% inspection of main parts to prevent defective parts from making it to assembly lines.

Quality inspection of products

We carry out stringent quality inspections in all production processes performed in our plants. To keep the quality of our products high, inspectors check their quality from start to finish on production lines.





Split, Wall-mounted type
Built-in W-LAN adapter models

KL Series
ECO Range
Compact Size (Cooling-enhanced type)

S-032-033

- 7–12 classes, 3 models
- Elegant & smart square design
- High energy saving
- Comfortable airflow & Quiet operation
- Smart device control
- Easy access to the flare pipe connection

2024 New Products

REFRIGERANT R32 SPLIT MULTI-SPLIT

Wall-mounted type
Built-in W-LAN adapter models

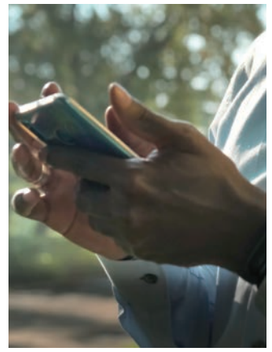
Designer Range, Standard Range

S-016, 020 M-006, 022

- Improved energy efficiency from the current products
- 7–14 classes, 8 models
- High energy saving
- Built-in WLAN adapter
- Comfortable airflow & Quiet operation
- Easy access to the flare pipe connection

KG Series
Designer Range
High Spec & Design

KM Series
Standard Range
High-Efficiency & Comfort



Smart Device control
You need to install the "AIRSTAGE Mobile" app on your smart device in order to control the air conditioner.

ECO Range

S-022-023 M-006, 023

- 5-12 classes, 4 models *5 class only for multi-split
- Elegant & smart square design
- High energy saving
- Comfortable airflow & Quiet operation
- Built-in WLAN adapter
- Easy access to the flare pipe connection

KN Series
ECO Range
Compact Size

Medium static pressure duct

High-efficiency & Comfort

S-040-043 M-007, 025

- 12–54 classes *Multi-split is only 12-22 classes
- Slim & Compact design
- High energy saving
- Easy maintenance
- Drain hose as standard
- Wide range of static pressures

12-18 class

22 /24 class
*Multi-split is only 12-22 classes

30-54 class

VRF

VRF J-VS

Heat Pump for Small-capacity type

Outdoor unit

V-020-025

- **Sustainable:** R32 refrigerant with reduced global warming potential
- **Saving CO2:** Top class high energy saving
- **Small Body:** Easy carriage and installation
- **Situational Piping Design:** Long pipe length, Up to 13 indoor units* can be connected
- **Sightliness installation:** External static pressure, cooling piping system

*: 6 HP model

Indoor unit

V-058-065

- 4 - 24 classes, 3 type, 34 models
- Compact & Slime design
- Flflexible installation

Compact Cassette

Low Static Pressure Duct
Slim Duct/Slim Concealed Floor

Wall-mounted type

CONTROL SYSTEM

Wired remote controller

Design type

C-010-011

- Harmonizes with the Installation Space
- Intuitive operation
- Status LED Colors
- Refrigerant cycle monitor
- Logo Display
- AIRSTAGE Remo Set application (free download)
- Initial Settings / Indoor Unit Function

AIR TO WATER

New Monobloc system

Comfort series

Future Release

- 5-10 kW classes, 3 Models
- High energy efficiency
- Quiet operation
- Easy installation & maintenance

SUPPORT

AIRSTAGE Service Monitor Tool

for Single-split, Multi-split, Air to water

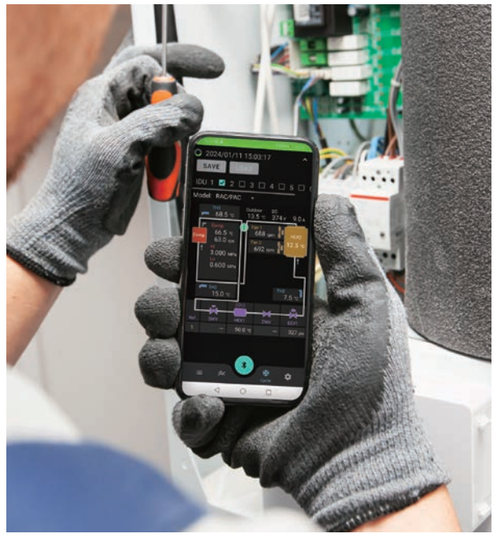
Sp-010-011

- Improved work efficiency
- Bluetooth communication
- Compact and lightweight design
- New application with simple design
- Refrigerant cycle graph display

UTY-ASSXZ1

AIRSTAGE Service Monitor Tool

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

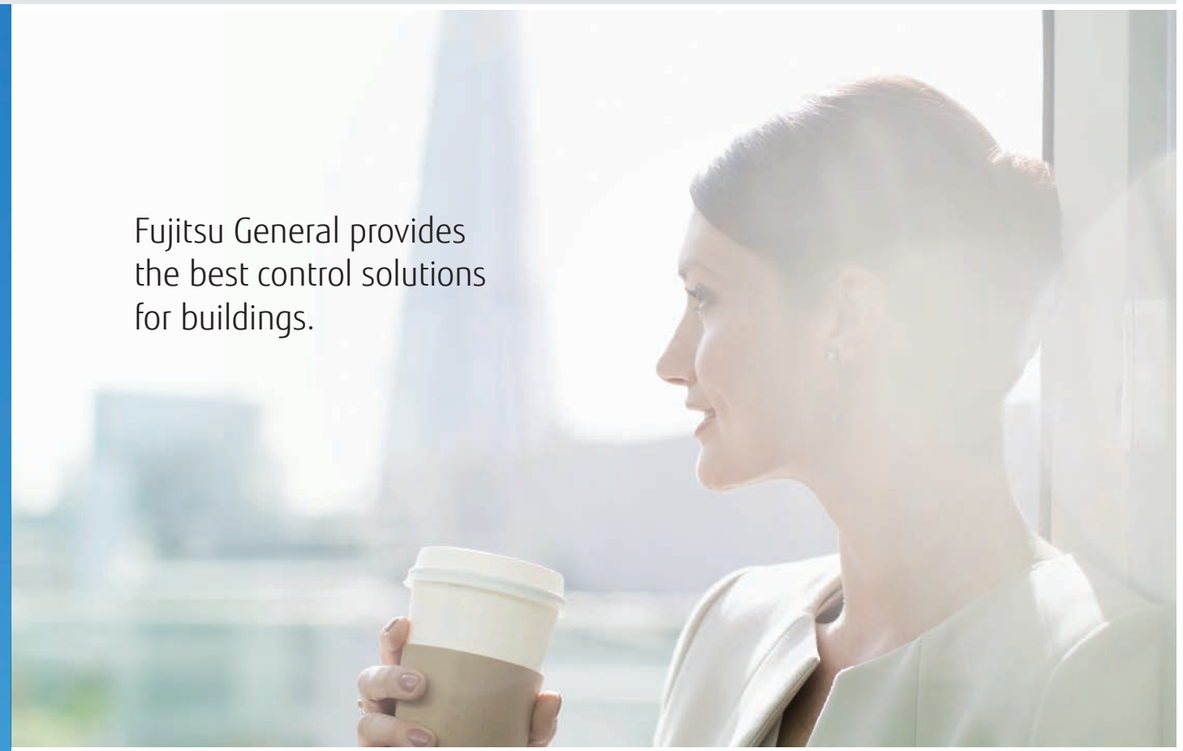


From Business to private spaces

SOLUTIONS

Key solution points

Fujitsu General's total solutions are tailored to each property's unique needs.



Fujitsu General provides the best control solutions for buildings.

Target buildings

A casual conversation with a colleague at work

A presentation in a large meeting room

A restaurant you stop by Your living room

We have a comprehensive lineup of air conditioners ideal for all these situations–from business to private spaces.
Fujitsu General's air conditioners are used in all aspects of everyday life.

For Light commercial use

Comfortable and economical air conditioning systems, ideal for small and midsize commercial buildings

036 Restaurants, Shops
038 Small offices
040 Hotels
042 Schools

For Commercial use

Single and modular VRF systems for high efficiency, comfort, design flexibility, ease of installation, and high reliability

044 Large Buildings

For Residences

Smart air conditioning systems with extensive control options for comfort and convenience of use

046 Residences

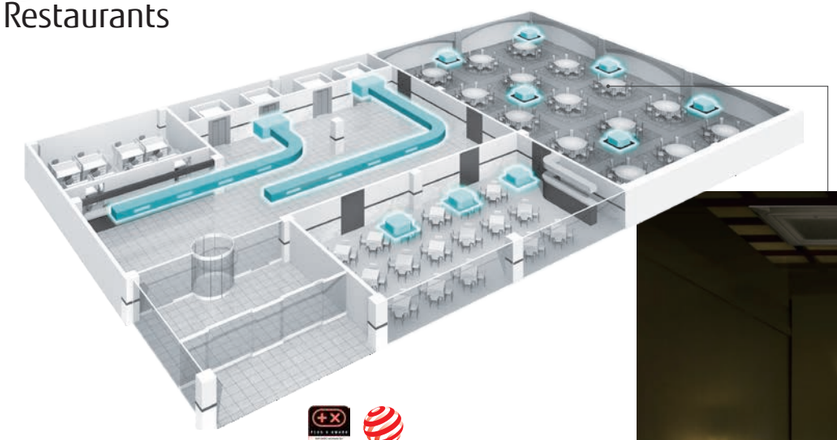
Restaurant, shops

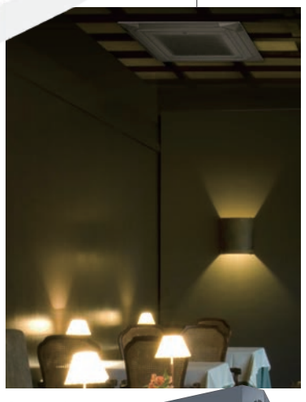
For Light commercial use

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

Single split

For Restaurants





reddot winner 2020

Circular flow cassette Series

Compact cassette

Ceiling type

Circular flow cassette Series
For ambience with dimmed lighting

For rooms with bright interiors

R32 large model lineup expanded

Expanded lineup of ceiling, cassette, and duct types suitable for large spaces using environmentally friendly R32 refrigerant

Mini duct

Slim duct

Medium static pressure duct

NEW

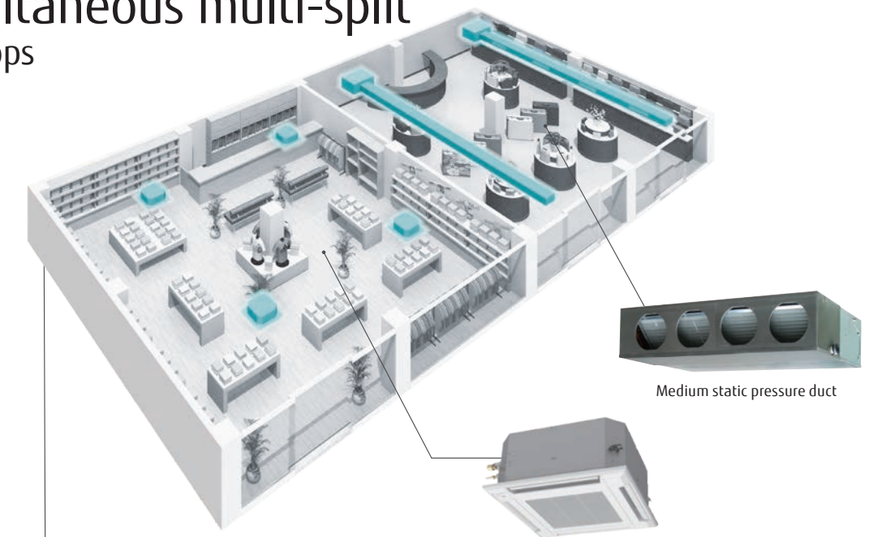
High static pressure duct

Two panel colors

Both black and white panels are available for Cassette type. Black panels are suitable for dark places such as atmospheric restaurants. White panels, by contrast, are more appropriate for use in brightly lit spaces such as offices. (Available for Single split and VRF indoor units)

Simultaneous multi-split

For Shops



Medium static pressure duct

Compact cassette

Twin 36 class
(Single phase)

Twin/Triple 45/54 class
(Single phase)

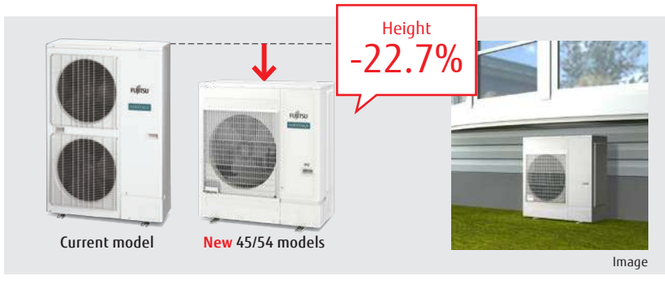
Small, lightweight outdoor unit

Models equipped with the new R32 refrigerant Compared to current models, the outdoor unit is more compact and easier to install. (45/54 models)
Compact cassette Series for grid ceiling were added to the lineup of indoor units to improve ease of installation.

Various indoor unit lineup

You can choose from 3 types of indoor units to suit the atmosphere and layout of your shop.

Slim duct



Current model

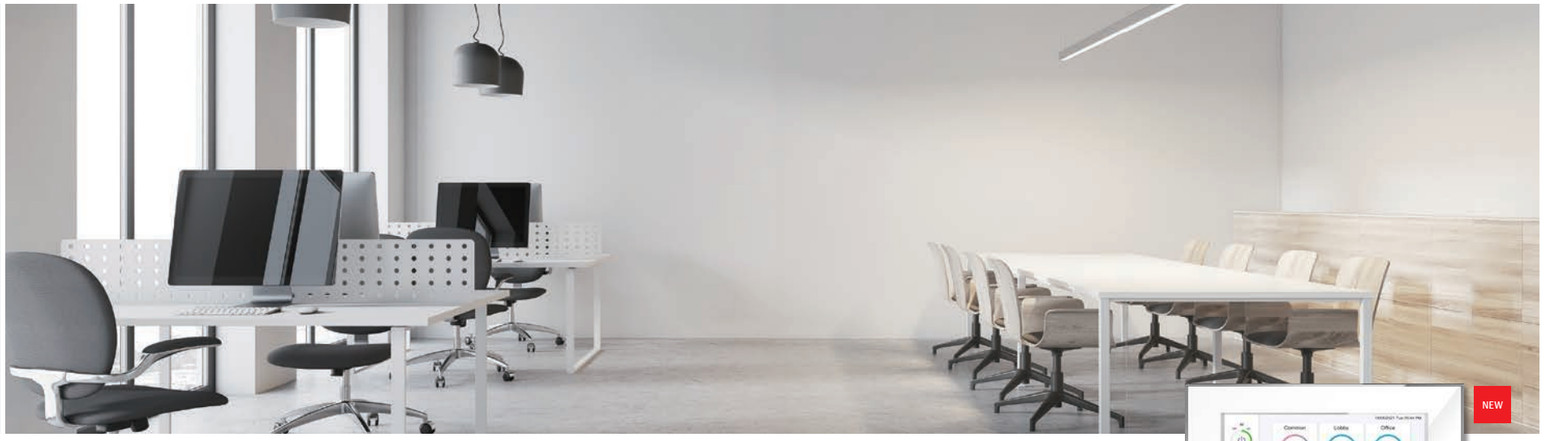
New 45/54 models

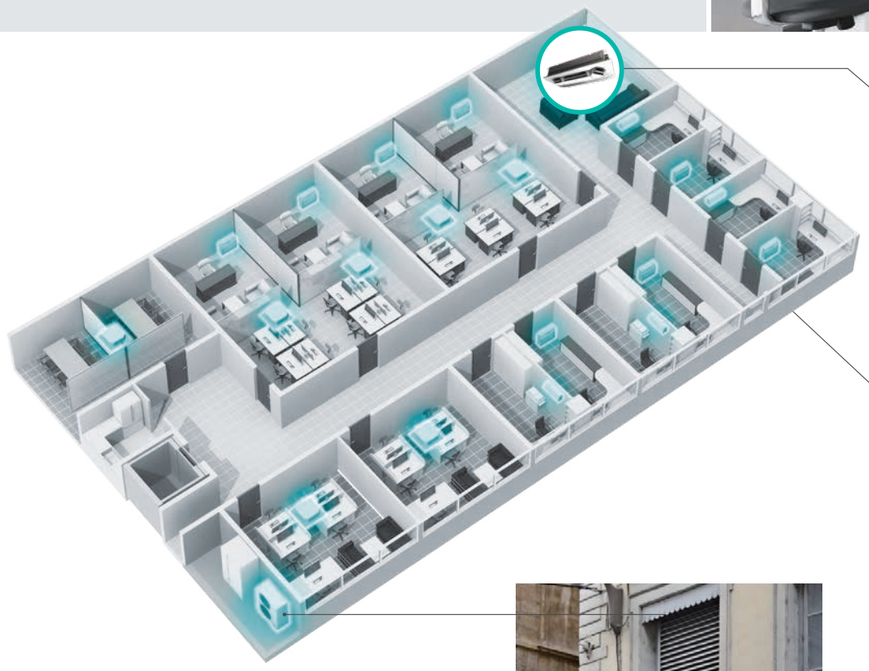
Image

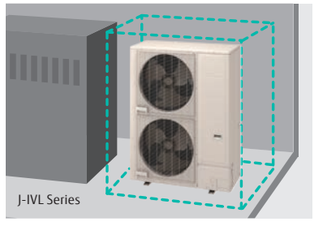
Small offices

For Light commercial use

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







Compact outdoor unit with low noise design

Takes up little space even when installed in a machine room or on the roof. Sufficient static pressure can be maintained even with louvers. Low-noise mode suffices even for nighttime operations at low noise levels.

VRF J Series compact outdoor units with up to 18 HP

Suitable for the buildings with multiple small rooms. Up to 42 indoor units* can be connected.

*Only J-IVL Series 18 HP model

Breakthrough 3D flow cassette with innovative pursuit of comfort

The left and right air outlet ports with a maximum rotation angle of 100° and the wide central air outlet port create a comfortable space with less uneven temperature.

Wide lineup of indoor units of low-capacity class

Various low-capacity 1.1 kW indoor units are available for small rooms and spaces.

Wall-mounted type

Compact floor type

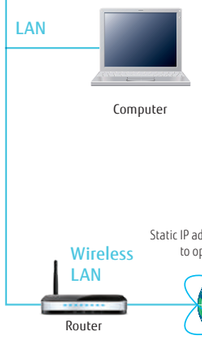
Compact cassette Series for grid ceiling

NEW

Central remote controller UTY-DCGYZ3

Central remote controller with improved operability

Controls the temperature of each room easily, and manages and sets the operation control for a week. Energy-saving management by setting upper and lower temperature limits and operating prohibitions.



Control and monitoring

You can operate the main unit from your desk. Non-administrators can also operate the air conditioners with a computer, smartphone or tablet PC.

*Wireless LAN will be supported in the future.

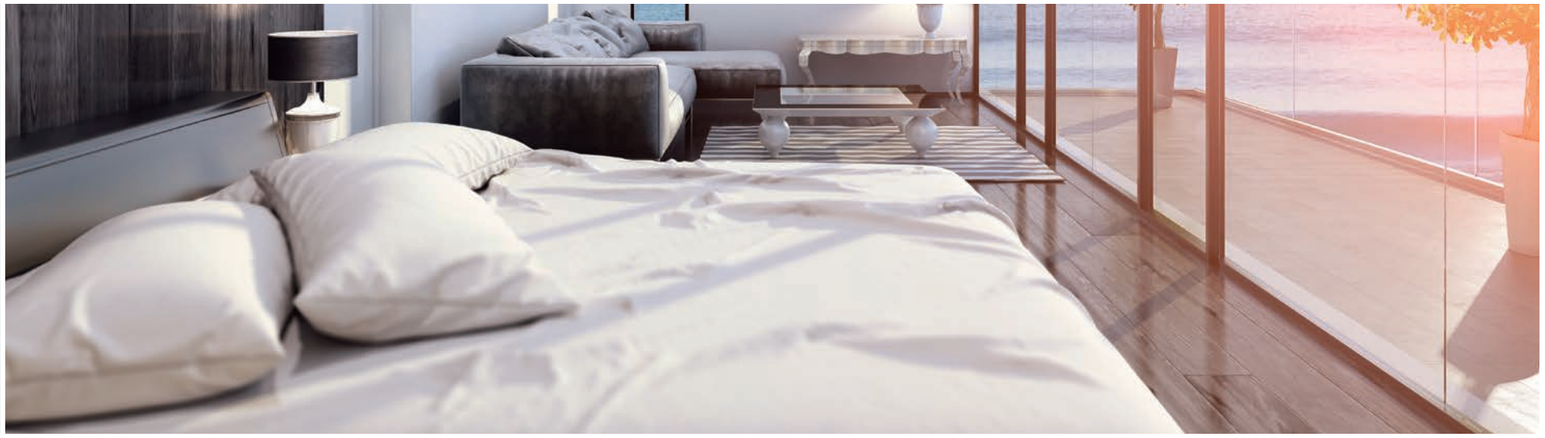
Compact wired remote controller

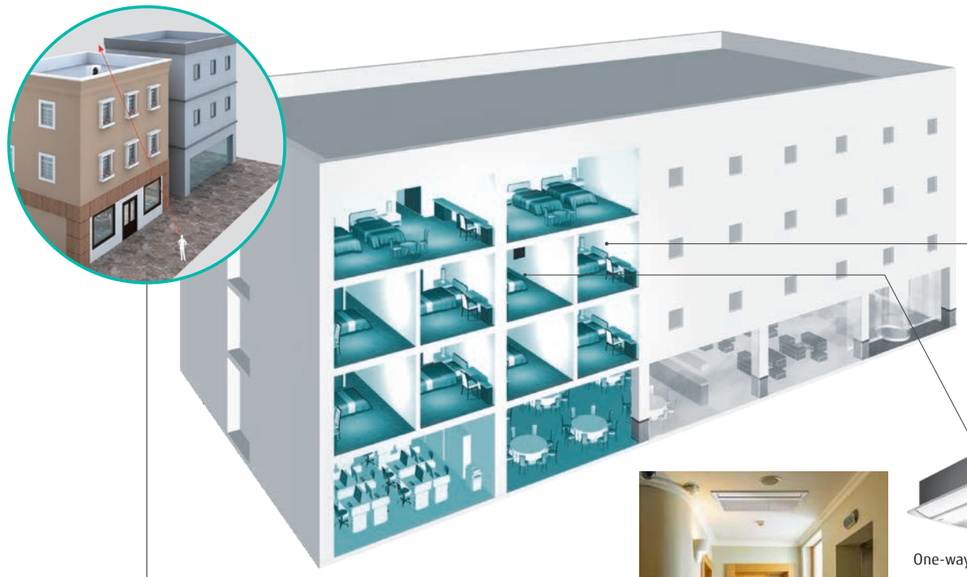
Compact size with a large screen for easy operation. The stylish design harmonizes with the interior.

Hotels

For Light commercial use

Fujitsu General offers total air conditioning systems perfect for low-rise, small hotels that take into account energy savings, external appearance, safety, and ease of installation.





One-way flow cassette Series

Compact chassis with low noise operation The low operating noise makes the model ideal for use in the corridor of a hotel.

Select the product best suited to the characteristics of the property.

	Split	VRF J-VS (NEW)	VRF VR-IV
Project size	Small	Middle	Large
Individual Air conditioning	Great	Good	Great
Reduction of installation space	Fair	Great	Great
Landscape (hide outdoor unit)	Fair*	Great	Fair
Maintenance (individualized)	Great	Good	Fair

*Depends on pipe length constraints

Guest room air conditioning with superior comfort, energy efficiency, and ease of installation

Space saving
Mini duct type with a height of 198 mm and a depth of 450 mm. Easily installed in a narrow ceiling space.

Mini duct

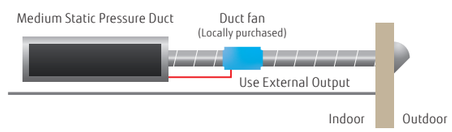
Card key switch available
Linked to a card key to prevent people from forgetting to turn off the air conditioner.

External connection switch

Comfortable airflow by switching the up/down airflow direction
The Auto louver grille kit creates comfortable airflow by adjusting the air direction.

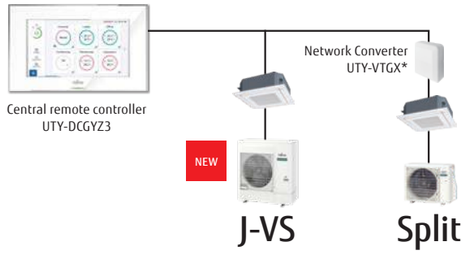
Auto louver grille kit

Ventilation of each room can be achieved relatively inexpensively by combining an appropriate duct fan (locally procured) through a hole for Fresh air in the indoor unit.
If the airflow required to ventilate the room is not sufficient, use ERV (Energy Recovery Ventilator).



Centralized control of air conditioning for shared spaces

Centralized control of air conditioning for shared spacesLobbies, hallways, and other common spaces are centrally controlled for air conditioning.Central Remote Controller can manage VRF products, but Split products can also be managed together via Network converter.



*Some functions will not be available.

Wired remote controller (design type) with sophisticated design. The touch panel can be easily operated by swiping vertically and horizontally.

NEW

Wired remote controller (design type)
UTY-RVRY

Hotel logo display

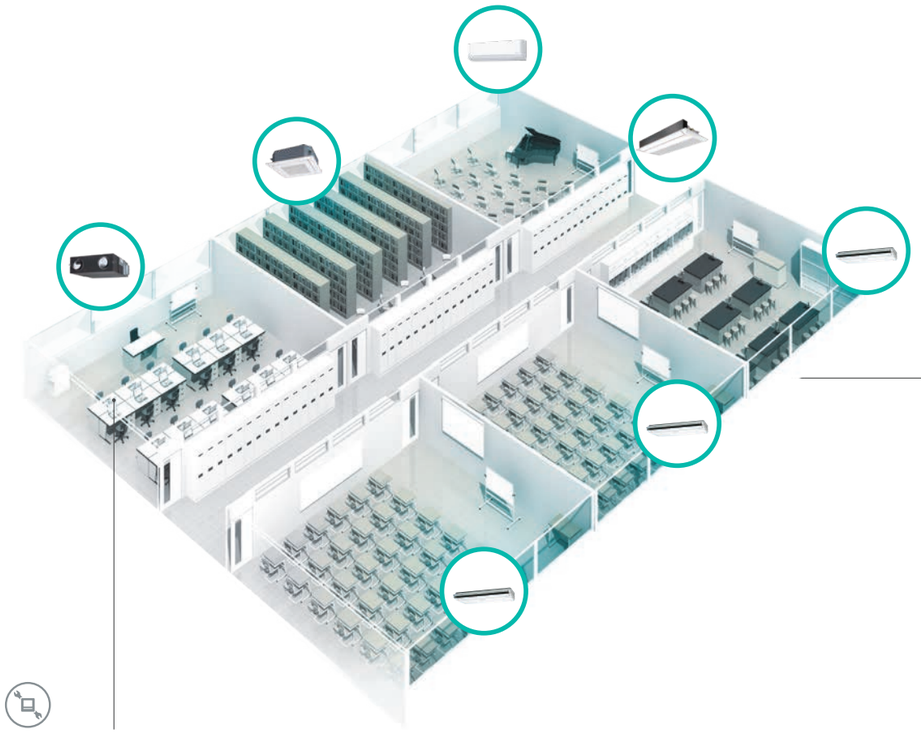
Large space air conditioning for the reception area and lobby

Duct type Big duct Series suitable for large spaces with high ceilings

Schools

For Light commercial use

Fujitsu General offers indoor units that allow multiple connections with a compact design that reduces the installation area and increases the flexibility for selecting installation locations, making them perfect for midsize educational institutions. One single outdoor unit is able to cover an entire school building.



Centralized control of both air conditioning and ventilation equipment

Centralized control is also possible to stop the operation of not only air conditioners but also lighting and ventilation equipment. These features are useful for managing the energy efficiency of the entire building.

System controller Lite

One-way flow cassette Series

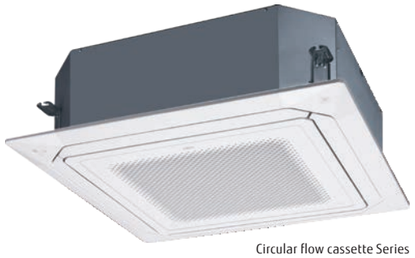
Mini duct

Ceiling type

Wall-mounted type

Wide variety of indoor units

Support complex applications for regular classrooms, special classrooms and auditoriums. Ventilators can also be added easily.

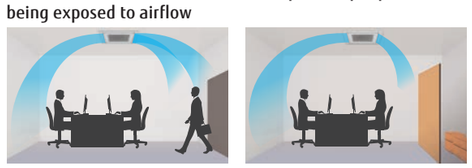


Circular flow cassette Series

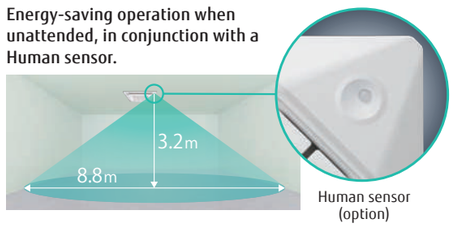
Comfortable room air conditioning without airflow sensation

Circular flow cassette blows air in all directions at a uniform temperature.

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



Energy-saving operation when unattended, in conjunction with a Human sensor.

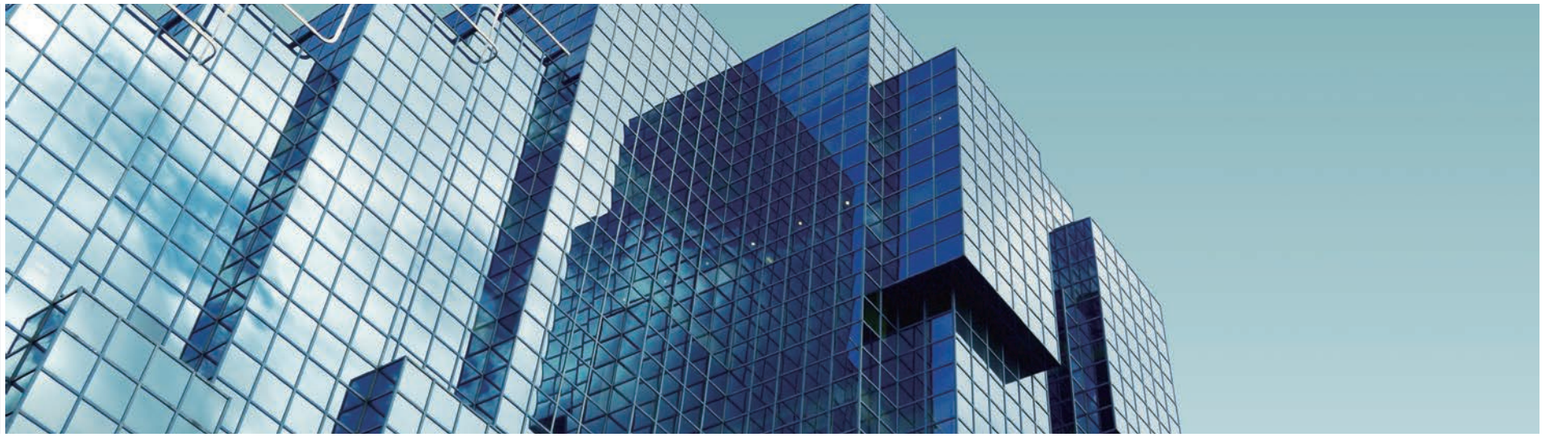


Human sensor (option)

Large buildings

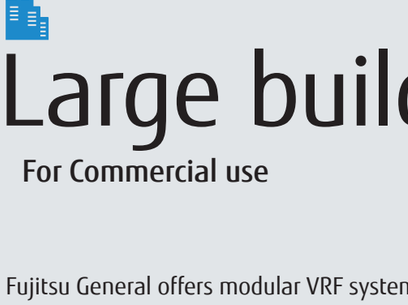
For Commercial use

Fujitsu General offers modular VRF systems that pursue high efficiency, comfort, design flexibility, ease of installation, and reliability for high-rise buildings.



Abundant lineup optimized for the operating environment

The VRF system meets a variety of needs, including energy-saving models and models with compatibility to outdoor temperatures of up to 46°C.



VRF VR-IV

Smart, cutting-edge design Extensive lineup from 8 HP to 48 HP with the capacity ratio of indoor units connectable up to 150%.

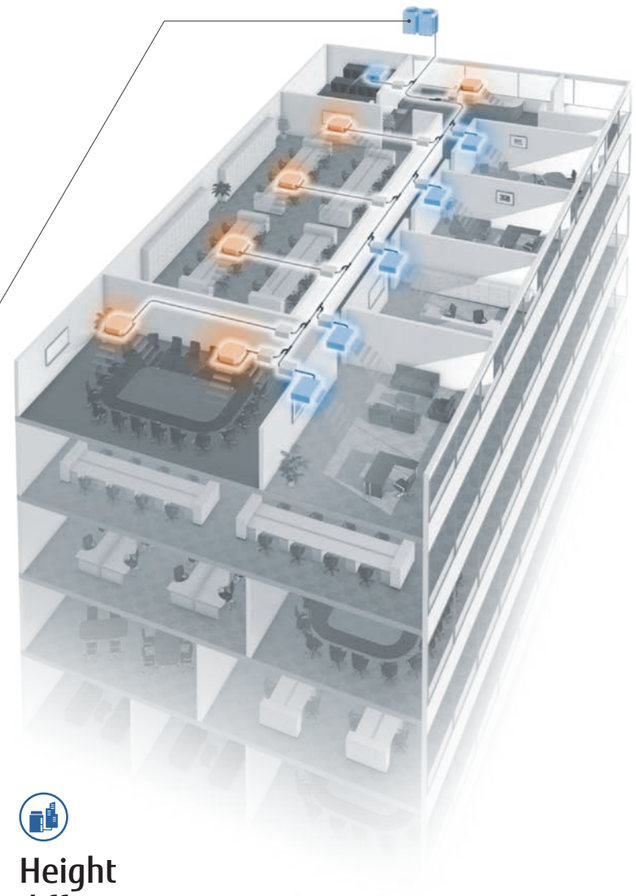
34 models with 8 to 48 HP

- Space saving combination: 21 models from 8 to 48 HP
- Energy efficient combination: 13 models from 16 to 44 HP

VRF V-IV

34 models from 8 to 48 HP

- Space saving combination: 21 models from 10 to 48 HP
- Energy efficient combination: 13 models from 16 to 46 HP



Height difference up to 110 m

The height difference between the outdoor unit and the indoor unit is normally 50 m for the V-IV Series, but can be extended to 110 m by installing the Pressure sensor kit.

* Can only be connected to the V-IV Series

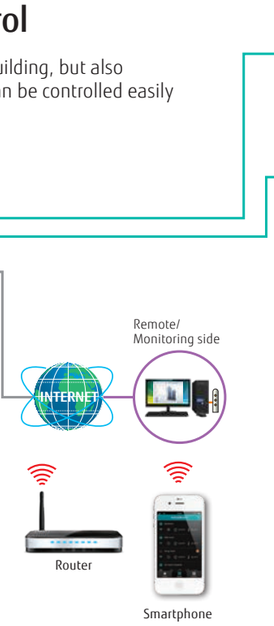
Pressure sensor kit

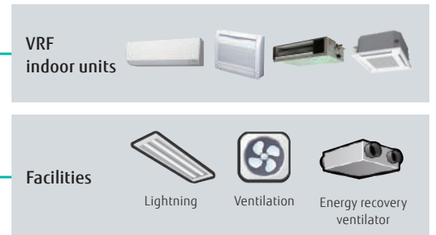
Centralized control

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)



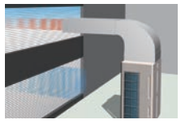


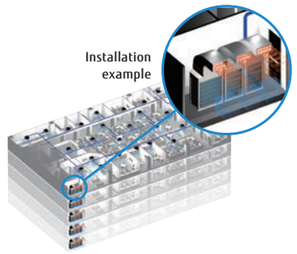
High system flexibility

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

82* Pa

*: V-IV Series, 80Pa for VR-IV Series



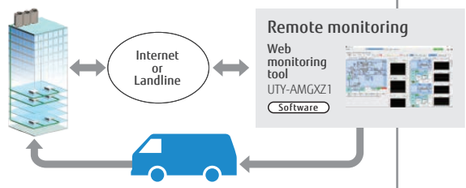


Linkage with various BMS

Linking with MODBUS®, BACnet®, KNX® and other interfaces allows centralized control of equipment other than air conditioning.

Prompt service support

Web monitoring tool and System controller remotely monitor the air conditioning of the entire building. Self-diagnosis in cooperation with the management company enables quick response in case of an emergency.



Residences

For Apartments & Houses

From the living room, where the whole family relaxes, to bedrooms, children's rooms and other small rooms, Fujitsu General has designed systems suited to spaces that reflect the rhythm of life.

A variety of indoor units to suit the characteristics of each room

For Living & Dining room

KE Series

Cool beauty design model
This series features a special European-style design. The light, elegant and three-dimensional expression achieved by the curved surface is beautiful from all angles.

For Large rooms

KM Series

Standard & Comfort model
The basic functions and powerful, comfortable airflow volume controls are optimal for large spaces.

KG Series GOOD DESIGN

For Primary bedrooms or Living rooms

Award winning design, Quiet models
High performance, low noise with emphasis on design

KM Series GOOD DESIGN

KN Series NEW

For Bedrooms or Home offices

ECO Range, Compact size
High performance and compact design suitable for bedrooms, home offices and other small spaces

Outdoor units suitable for residential environments

R32 Multi-split type released

Models are now available with environment-friendly R32 refrigerant. A number of products with improved external design have been added to the indoor unit lineup.

Operated by smart speaker

Simply talk to the smart speaker to operate the air conditioner and check its operating status while doing other things.

WLAN adapter (USB)

With the WLAN adapter and the AIRSTAGE Mobile app, you can control the heating and cooling of your home anytime, anywhere.

Light Commercial & Residential

SPLIT & MULTI-SPLIT

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

These are air conditioners that are both user-friendly and environment-friendly. Fujitsu General air conditioners cater to a wide range of needs, from living rooms, bedrooms, stores, small offices, through to hotels.

SPLIT
- Refrigerant R32 models
  - Wall-mounted type
  - Cassette
  - Duct
  - Floor
  - Ceiling
- Refrigerant R410A models
  - Duct

MULTI-SPLIT
- Refrigerant R32 models
  - 2-unit to 5-unit Multi-split
  - Simultaneous Multi-split Twin/Triple
- Refrigerant R410A models
  - 6-unit Multi-split
  - Simultaneous Multi-split Twin/Triple/Double Twin

SPLIT & MULTI-SPLIT

Light Commercial & Residential

FUJITSU GENERAL LIMITED

Light Commercial & Residential

SPLIT

S-004 Split Overview
S-006 Indoor Units Lineup
S-010 Features
S-015 Features Explanation
S-060 Wall-mounted Specifications
S-063 ECO Series Lineup Specifications
S-068 Feature Summary

Refrigerant R32 models

Wall-mounted type - Built in W-LAN adapter model

S-016 Designer Range
– High Spec & Design
– Cool Beauty Design
S-020 Standard Range – High-Efficiency & Comfort
S-022 ECO Range – Compact Size

Wall-mounted type

S-024 Standard Range
– High-Efficiency & Large Rooms
S-028 ECO Range
– Compact Size
– Comfort for Large Rooms
– Cooling-enhanced type

Cassette

S-034 Compact 4-way Flow Range – Compact Size
S-036 Circular Flow Range – Comfort for Large Rooms

Duct

S-038 Slim Duct – Slim Design
S-040 Medium Static Pressure Duct
– High-Efficiency & Comfort
– Compact Size
– Standard
S-050 High Static Pressure Duct

Floor, Ceiling

S-056 Floor – Compact Size
S-058 Ceiling

Refrigerant R410A models

Duct

S-052 High Static Pressure Duct
S-054 Big Duct

Split Overview

Fujitsu General provides its customers with 5 types and 149 models of air conditioning systems perfect for various customer applications and layouts. Added to this lineup recently are the environment-friendly R32 refrigerant models.

Wall-mounted type, Designer Series, Cool Beauty Design

Existing pipes can be reused if they meet our guidelines

Please consult with our regional sales subsidiaries for details.

Cautions when reusing the existing pipes

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

Wall-mounted type

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

Duct

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

Cassette

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

Floor

The compact and slim design makes this model suitable for installation in commercial as well as residential buildings.
This model is also recommended as a heating device because it delivers a warm airflow from both the top and bottom outlets.

Ceiling

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

Indoor Units Lineup

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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

Type	Range	Refrigerant	Model	Class 7	9	12	14	18	22	24	30	36	45	54	60	72	90
Wall-mounted type Built in WLAN adapterr model	**Designer Range** High Spec & Design	R32 Cooling & Heating	NEW KG Series	ASEH07KGTG	ASEH09KGTG	ASEH12KGTG	ASEH14KGTG										
	Designer Range Cool Beauty Design	R32 Cooling & Heating	KE Series	ASEG07KETF ASEG07KETF-B	ASEG09KETF ASEG09KETF-B	ASEG12KETF ASEG12KETF-B	ASEG14KETF ASEG14KETF-B										
	Standard Range High-Efficiency & Comfort	R32 Cooling & Heating	NEW KM Series	ASEH07KMCG	ASEH09KMCG	ASEH12KMCG	ASEH14KMCG										
	ECO Range Compact Size	R32 Cooling & Heating	NEW KN Series	ASEH07KNCA	ASEH09KNCA	ASEH12KNCA											
Wall-mounted type	**Standard Range** High-Efficiency & Large Rooms	R32 Cooling & Heating	KM Series					ASEG18KMTE		ASEG24KMTE							
	Standard Range High-Efficiency & Large Rooms	R32 Cooling & Heating	KM Series								ASEH30KMTB	ASEH36KMTB					
	ECO Range Compact Size	R32 Cooling & Heating	KP Series	ASEG07KPCE	ASEG09KPCE	ASEG12KPCE											
	ECO Range Comfort for Large Rooms	R32 Cooling & Heating	KL Series					ASEG18KLCA		ASEG24KLCA							
	ECO Range Cooling-enhanced	R32 Cooling & Heating	NEW KL Series	ASEH07KLTA	ASEH09KLTA	ASEH12KLTA											

Indoor Units Lineup

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Type	Range	Refrigerant	Model	Class 7	9	12	14	18	22	24	30	36	45	54	60	72	90
Cassette	**Compact 4-way Flow Range** Compact Size	R32 Cooling & Heating			AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA							
	Circular Flow Range Comfort for Large Rooms	R32 Cooling & Heating	18/22/24 30/36/45/54					AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB			
Duct	**Slim Duct**	R32 Cooling & Heating	09/12/14 18		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP									
	Medium Static Pressure Duct High-Efficiency & Comfort	R32 Cooling & Heating	12/14/18 22/24 NEW 30/36/45/54			ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP	ARXH24KMTAP	ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH54KMTAP			
	Medium Static Pressure Duct Compact Size	R32 Cooling & Heating	12/14 18/22/24/30 36/45/54			ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP			
	Medium Static Pressure Duct Standard	R32 Cooling & Heating							ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA				
	High Static Pressure Duct	R32 Cooling & Heating											ARXG45KHTB	ARXG54KHTB			
		R410A Cooling & Heating													ARYG60LHTA		
	Big Duct	R410A Cooling & Heating														ARYG72LHTA	ARYG90LHTA
Floor Compact & Comfort		R32 Cooling & Heating			AGEG09KVCA	AGEG12KVCA	AGEG14KVCA										
Ceiling		R32 Cooling & Heating	18/22 24/30 36/45/54					ABEG18KRTA	ABEG22KRTA	ABEG24KRTA	ABEG30KRTA	ABEG36KRTA	ABEG45KRTA	ABEG54KRTA			

Features

High-Efficiency

ALL DC All DC Inverter Technology

DC twin-rotary compressor

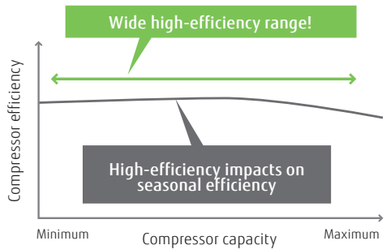
DC twin-rotary compressor

A high-efficiency 2-cylinder rotary compressor with a DC inverter optimizes the internal structure of the compressor to achieve higher energy efficiency compared to similar compressors.

DC fan motor

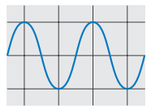
The DC fan motor produces high power, a wide operating range, and high-efficiency.

DC fan motor



Sine-wave DC inverter control

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



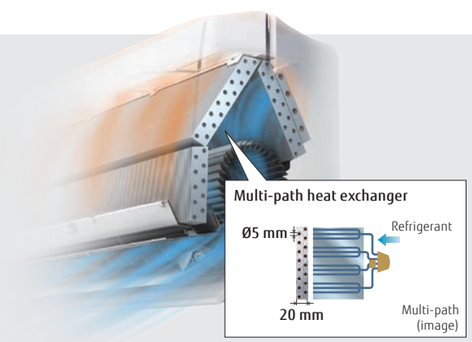
Heat Exchanger for Wall-mounted type

High-density multipath heat exchanger

Thinner and denser heat exchangers and multipath efficiency technology have substantially improved heat exchange performance.

High-performance sub-cool heat exchanger

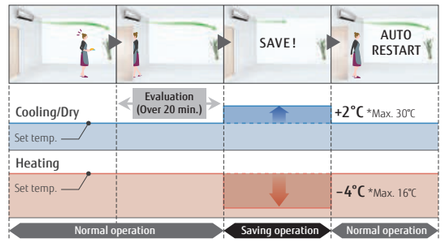
A counter-type bypass circuit has been incorporated to achieve a higher performance. (Large multi-split type, VRF)



High Energy Saving

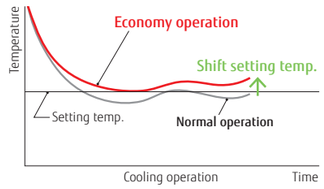
Save+Stop Human sensor control

The Human sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



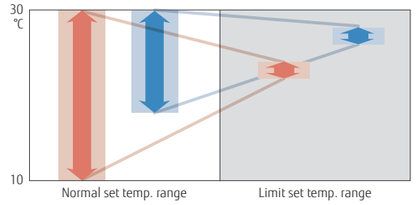
Economy Economy operation

Limits maximum operation, reducing the power consumption, and thereby suppressing the maximum load.



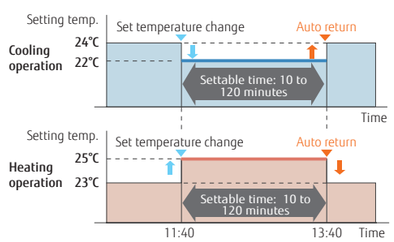
SetTemp. Setting temperature range limitation

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



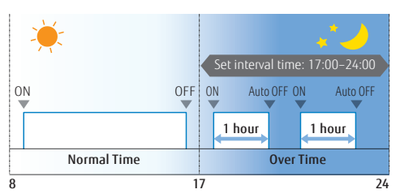
Return Set temperature auto return

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

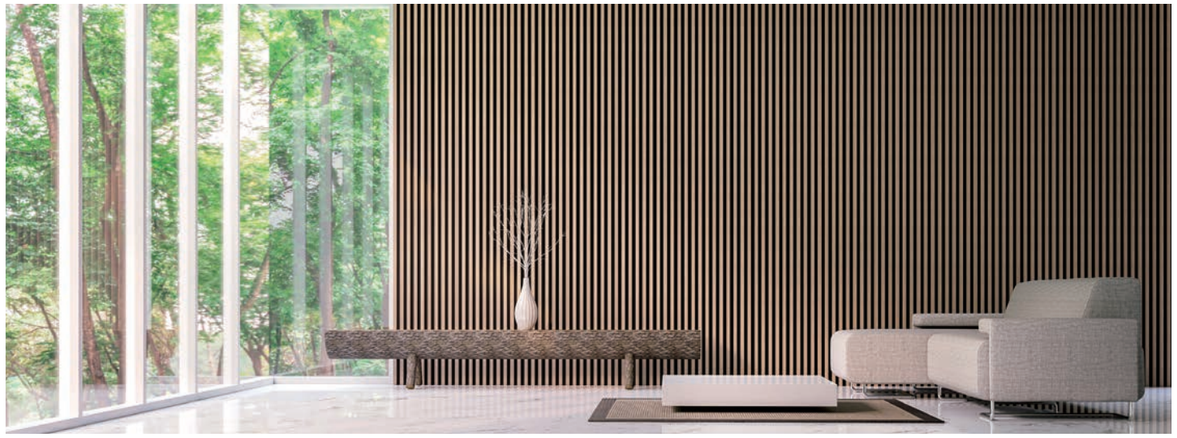


OFF Auto OFF Auto-off timer

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

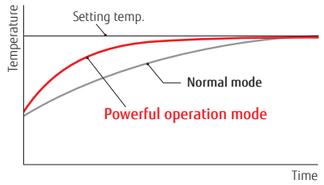


More Comfort



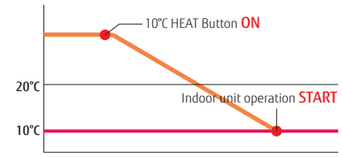
Powerful operation

Maximum airflow and maximum compressor speed are maintained for the period necessary to reach the set temperature quickly.



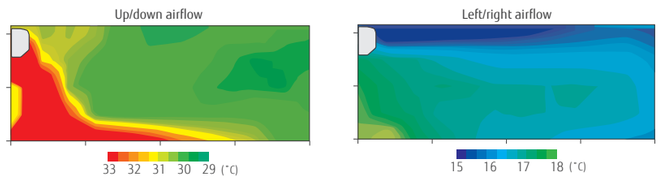
10°C heat

After a person has left the room, the system switches to minimum heating operation to maintain the room temperature. (Maintained at 10°C)



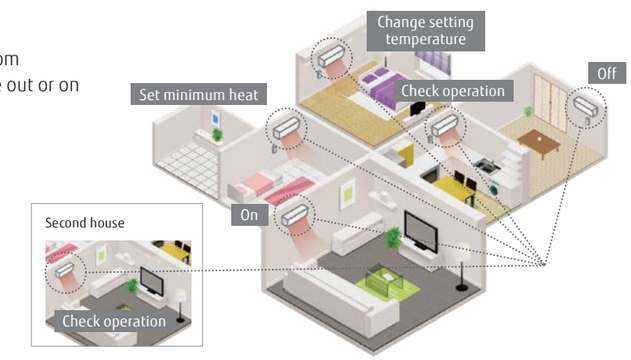
Power diffuser

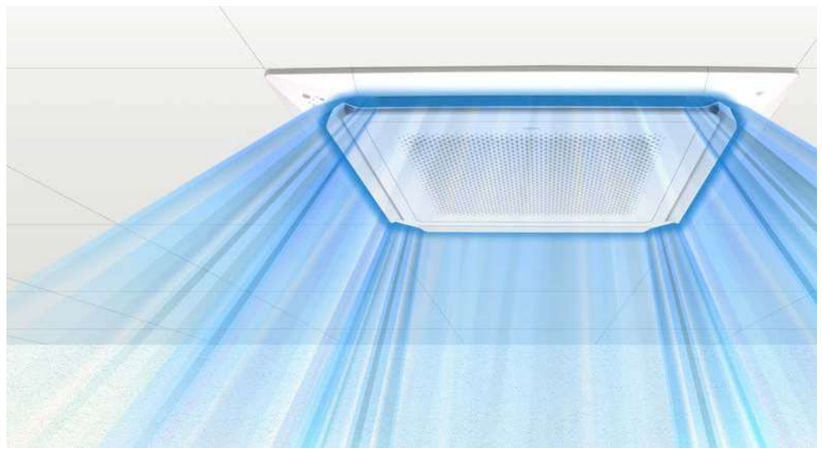
These three technologies enable precise wind direction control and improve ventilation efficiency; our airflow control offers a more comfortable environment.



Wireless LAN control

Users can control their air conditioners from anywhere with their mobile devices while out or on the move.





Uniform air conditioning

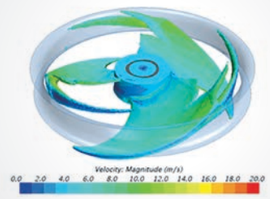
Circular airflow to achieve uniform air conditioning without temperature unevenness in workspaces

Quiet and Comfort Control

Low Noise Technology

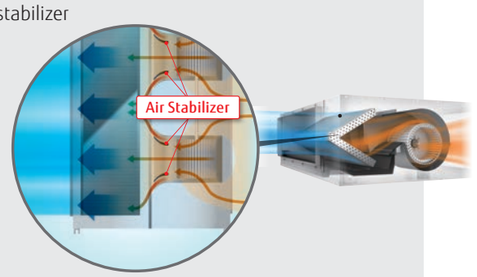
Outdoor unit fan

Outdoor unit fan design with a small separation vortex, minimized air volume by fan control, and top-class low noise



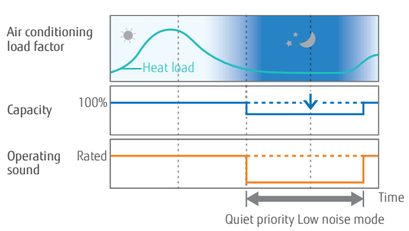
Air stabilizer in Duct

Low-noise duct structure with a built-in air stabilizer



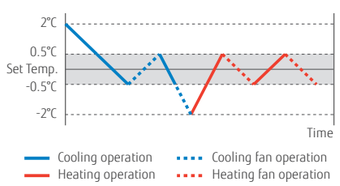
Outdoor unit low noise operation

Users can choose low noise levels, depending on the installation environment. Operation time can be set by timer.



Auto changeover

In an auto setting, the system automatically switches between cooling and heating modes according to the set temperature and room temperature.



Fresh air intake for Cassette, Duct, Ceiling

Fresh air is taken in by a fan connected to an external control unit.

Fresh air intake kit

Feature Explanation

Energy-Saving Features

Save Human sensor
The Human sensor detects the movement of people in the room and determines whether to switch to energy saving operation.

Human sensor control
The Human sensor (option) detects movement of people in the room and decides whether to save energy or stop the unit.

Economy operation
The thermostat setting is adjusted automatically according to the room temperature to avoid unnecessary cooling or heating.

Setting temperature range limitation
Sets the minimum and maximum limits on room temperature to establish the right balance between energy saving and a comfortable environment.

Set temperature auto return
The setting temperature automatically returns to the previously set temperature.

Features for Comfort

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

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

10°C Heat
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.

Outdoor unit low noise operation
The noise level of the outdoor unit can be selected.

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

UP/DOWN swing louver
The vertical louver automatically swings up and down.

Double swing automatic
Complex swing action of the louver enables automatic swing in both the left/right and up/down directions.

Automatic fan speed
A micro-computer automatically adjusts the airflow to follow the changes in 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 the power supply is restored.

Connectable fresh air duct
Outside air can be introduced by attaching a locally purchased duct to the fresh air knockout and an optional part.

Fresh air intake
Fresh air can be taken in by a fan connected to an external control unit.

Connectable distributing duct
Locally purchased branch ducts can be attached to the systems to distribute the airflow.

Individual airflow direction control
Each louver of a 4-way Cassette type can be controlled individually to provide comfortable airflow.

Convenience Features

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

Sleep timer
A micro-computer gradually changes the room temperature automatically to promote 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 & Temperature setback timer
Weekly & Temperature setback timer can set the temperature for 2-time spans and for each day of the week.

Filter sign
Indicates the filter cleaning period by blinking.

External error output

External ON/OFF input

Wireless LAN control
The optional WLAN adapter enables the air conditioner to be operated by smartphone or tablet PC from outside the home.

Multi System Control
Operation using "Lead Lag Operation", "Back up operation", "Lag Operation" is possible. (Page C-011)

Special Cooling
Special Cooling" is a function that supports the operation of "Multi System Control".

Clean Features

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

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

Long-life filter

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

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

Installation / Support

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

Drain pump as standard

Blue fin

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

All DC models

NEW

Wall-mounted type

Built-in WLAN adapter model

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 | LAN | ION | AF+ | Washable

High energy saving

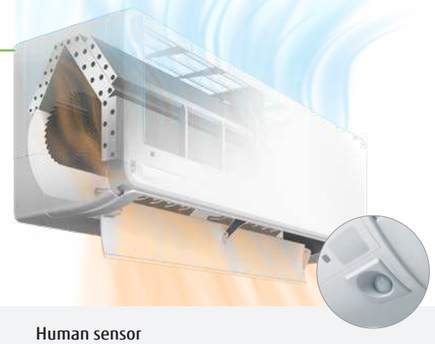
Top class high efficiency is achieved by high efficient lambda-shaped heat exchanger, large cross flow fan and new refrigerant.

Rank A+++*

*07/09/12 models

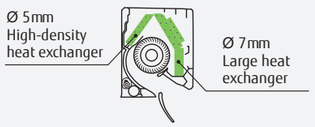
SEER 9.80* *07 model

SCOP 5.20* *07/09/12 models



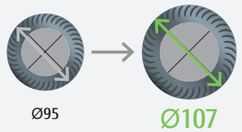
Hybrid-heat exchanger

The large hybrid heat exchanger has greatly improved the heat exchange efficiency to achieve top-level SEER and SCOP.



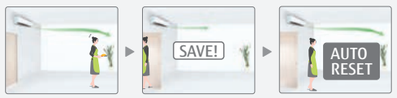
Ø107 Large cross-flow fan

The large-diameter fan generates air volume efficiently even at reduced power.



Human sensor

The Human sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



Comfortable airflow & Quiet operation

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

Quiet & Comfort

19 dB(A)

(07/09/12 models)

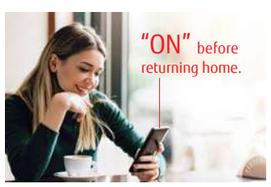
Cooling only

Smart device control

A WLAN adapter is included as standard equipment.By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

* See page C-020 for details on smart device control.

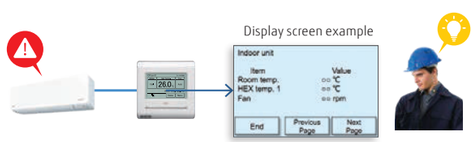
AIRSTAGE Mobile



Refrigerant cycle monitor (Option)

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

*Wired remote controller (UTY-RNRYZ5 or UTY-RVRY) is required.



REFRIGERANT R32

Model: ASEH07KGTG / ASEH09KGTG / ASEH12KGTG / ASEH14KGTG

WLAN adapter (Built-in)

Wireless RC

Specifications

Model name	Indoor unit			ASEH07KGTG	ASEH09KGTG	ASEH12KGTG	ASEH14KGTG
	Outdoor unit			AOEH07KGCG	AOEH09KGCG	AOEH12KGCG	AOEH14KGCG
Power Source				Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	kW	2.0	2.5	3.4	4.2
		Min.-Max.		0.9-3.3	0.9-3.6	0.9-4.1	0.9-4.5
	Heating	Rated		2.5	2.8	4.0	5.4
		Min.-Max.		0.9-5.2	0.9-5.4	0.9-6.1	0.9-6.4
Input Power	Cooling/Heating		kW	0.400 / 0.500	0.550 / 0.600	0.870 / 0.910	1.220 / 1.450
EER	Cooling		W/W	5.00	4.55	3.91	3.44
COP	Heating			5.00	4.67	4.40	3.72
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	9.80	9.40	8.80	8.00
SCOP	Heating (Average)			5.20	5.20	5.20	4.60
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	71	93	135	184
	Heating			618	646	673	1,217
Moisture Removal			l/h	1.1	1.3	1.6	1.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	36 / 32 / 29 / 19	38 / 34 / 29 / 19	40 / 35 / 30 / 19	43 / 36 / 30 / 20
	Indoor (Heating)	H/M/L/Q		38 / 34 / 31 / 20	39 / 34 / 31 / 20	42 / 38 / 33 / 21	44 / 39 / 33 / 24
	Outdoor (Cooling/Heating)	High		42 / 43	44 / 45	50 / 50	50 / 50
Sound Power Level	Indoor (Cooling/Heating)	High		49 / 51	52 / 52	56 / 58	57 / 59
	Outdoor (Cooling/Heating)	High		56 / 56	58 / 58	65 / 66	65 / 66
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	570 / 1,390	640 / 1,480	680 / 1,800	750 / 1,800
	Indoor/Outdoor (Heating)	High		610 / 1,350	630 / 1,420	750 / 1,690	780 / 1,690
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	10	10	10	10
	Outdoor		kg	30	30	31	32
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 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15	15
Operating Range	Cooling		°CDB	-10 to 50	-10 to 50	-10 to 50	-10 to 50
	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)	0.75 (0.506)	0.75 (0.506)	0.85 (0.574)	0.85 (0.574)

Optional parts

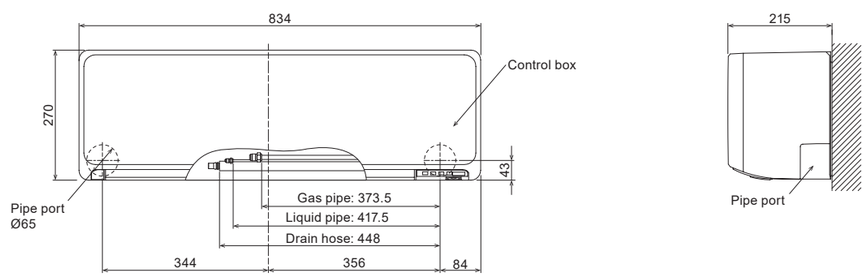
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	Simple remote controller:	UTY-RSRY	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1	External switch controller:	UTY-TERX	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5	Communication kit:	UTY-TWRXZ2	Silver Ion filter:	UTR-FA16-5
Wired remote controller:	UTY-RLRY	External connect kit:	UTY-XWZX	External input and output PCB*1:	UTY-XCSXZ2
Simple remote controller (without operation mode):	UTY-RHRY		UTY-XWZXZ5		

*1 It is required when 2 or more external input and output ports are used.

Dimensions

(Unit: mm)



Wall-mounted type

Built-in WLAN adapter model

Designer Range

Cool Beauty Design

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

Cool beauty design

We have designed this series exclusively for the European market. The exterior design harmonizes beautifully with any decor and adds comfortable elegance to the room. The light, elegant and three-dimensional expression achieved by the curved surface is beautiful from any angle.

CMF: COLOR MATERIAL FINISH

The texture of the front panel expresses the craftsmanship of Europe, and changes its expression with the changing light of the day.

High energy saving

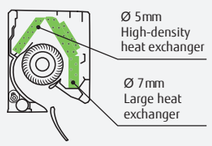
Top class high efficiency is achieved by high efficient lambda-shaped heat exchanger, large cross flow fan and new refrigerant.

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

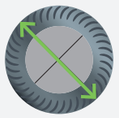
SEER 7.4 *1
*1: 07/09 models

SCOP 4.4 *2
*2: 12 model

Hybrid-heat exchanger



Ø107 Large cross-flow fan



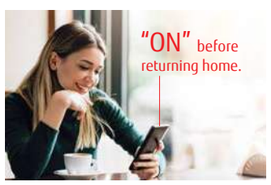
Ø107

Smart device control

A WLAN adapter is included as standard equipment.By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

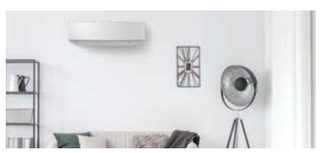
* See page C-020 for details on smart device control.

AIRSTAGE Mobile



Comfortable airflow & Quiet operation

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



20 dB(A)
Cooling only

Model: ASEG07KETF / ASEG09KETF / ASEG12KETF / ASEG14KETF (Peal white X White)
ASEG07KETF-B / ASEG09KETF-B / ASEG12KETF-B / ASEG14KETF-B (Silver X Dark gray)

Peal white X White

Silver X Dark gray

WLAN adapter (Built-in)

Wireless RC

For ASEG07/09/12KETF
ASEG07/09/12KETF-B

For ASEG14KETF
ASEG14KETF-B

Specifications

Model name	Indoor unit			ASEG07KETF ASEG07KETF-B	ASEG09KETF ASEG09KETF-B	ASEG12KETF ASEG12KETF-B	ASEG14KETF ASEG14KETF-B
	Outdoor unit			AOEG07KETA	AOEG09KETA	AOEG12KETA	AOEG14KETA
Power Source				Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	kW	2.0	2.5	3.4	4.2
		Min.-Max.		0.9 - 3.0	0.9 - 3.2	0.9 - 3.9	0.9 - 4.4
	Heating	Rated		2.5	2.8	4.0	5.4
		Min.-Max.		0.9 - 3.4	0.9 - 4.0	0.9 - 5.3	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	1,367
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	295 × 950 (wall side: 840) × 230			
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
Weight	Indoor		kg	11	11	11	11.5
	Outdoor		kg	23	23	25	31
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.)				13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15	15
Operating 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

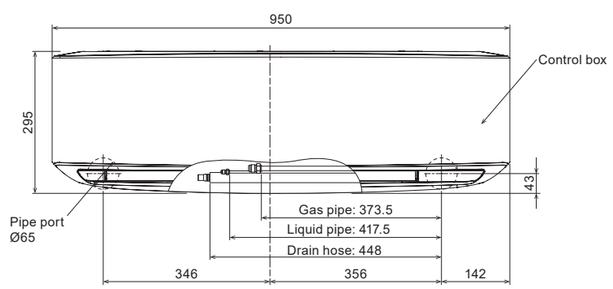
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

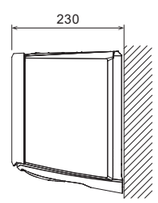
Wired Remote Controller (Design type):	UTY-RVRY	Simple remote controller:	UTY-RSRY	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1	Communication kit:	UTY-TWRXZ2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5	External connect kit:	UTY-XWZX	Silver Ion filter:	UTR-FA16-5
Wired remote controller:	UTY-RLRY		UTY-XWZXZ5	External input and output PCB*1:	UTY-XCSXZ2
Simple remote controller (without operation mode):	UTY-RHRY	External switch controller:	UTY-TERX		

*1 It is required when 2 or more external input and output ports are used.

Dimensions

(Unit: mm)





NEW

Wall-mounted type

Built-in WLAN adapter model

Standard Range

High-Efficiency & Comfort

REFRIGERANT R32

GOOD DESIGN

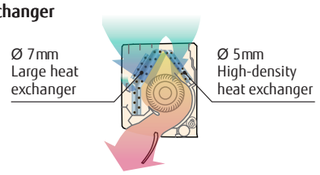
ALL DC

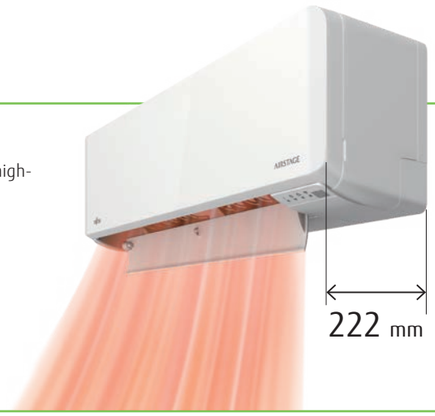
Economy · Powerful · 10°C HEAT · Low Noise · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Filter · LAN · ION · AF+ · Washable

Slim & stylish square design

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

Hybrid-heat exchanger





High energy saving

High-efficiency has been achieved by the lambda-shaped heat exchanger, large cross-flow fan, and the new refrigerant.

Rank
Cooling A++
Heating A++*

*07/09/12 models

SEER 8.40* *07/09 models

SCOP 4.60* *07/09/12 models

Comfortable airflow & Quiet operation

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

Quiet & Comfort

20 dB(A)

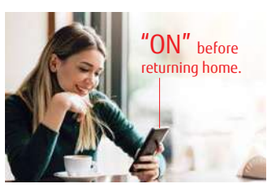
Cooling only

Smart device control

A WLAN adapter is included as standard equipment.By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

* See page C-020 for details on smart device control.

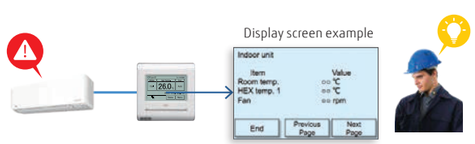
AIRSTAGE Mobile



Refrigerant cycle monitor (Option)

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

*Wired remote controller (UTY-RNRYZ5 or UTY-RVRY) is required.



REFRIGERANT R32

Model: ASEH07KMCG / ASEH09KMCG / ASEH12KMCG / ASEH14KMCG

WLAN adapter (Built-in)

Wireless RC

For ASEH07/09/12KMCG

For ASEH14KMCG

Specifications

Model name	Indoor unit			ASEH07KMCG	ASEH09KMCG	ASEH12KMCG	ASEH14KMCG
	Outdoor unit			AOEH07KMCG	AOEH09KMCG	AOEH12KMCG	AOEH14KMCG
Power Source				Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	kW	2.0	2.5	3.4	4.2
		Min.-Max.		0.9-3.0	0.9-3.2	0.9-3.9	0.9-4.4
	Heating	Rated		2.5	2.8	4.0	5.4
		Min.-Max.		0.9-3.4	0.9-4.0	0.9-5.3	0.9-6.0
Input Power	Cooling/Heating		kW	0.450 / 0.555	0.650 / 0.620	0.960 / 1.020	1.220 / 1.410
EER	Cooling		W/W	4.43	3.85	3.54	3.44
COP	Heating			4.52	4.52	3.92	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	8.40	8.40	7.70	7.10
SCOP	Heating (Average)			4.60	4.60	4.60	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	83	104	155	207
	Heating			700	730	761	1,366
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
Sound Power Level	Outdoor (Cooling/Heating)	High		46 / 46	46 / 46	50 / 50	50 / 50
	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	780 / 1,470	820 / 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	10	10	10	10
	Outdoor		kg	22	22	24	31
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 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15	15
Operating Range	Cooling		°CDB	-10 to 50	-10 to 50	-10 to 50	-10 to 50
	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)		0.60 (0.405)	0.60 (0.405)	0.70 (0.473)	0.85 (0.574)

Optional parts

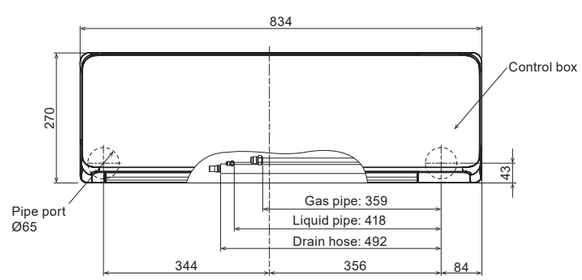
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

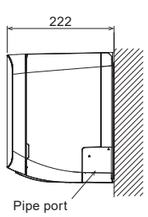
Wired Remote Controller (Design type):	UTY-RVRY	Simple remote controller:	UTY-RSRY	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1	Communication kit:	UTY-TWRXZ2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5	External connect kit:	UTY-XWZX	Silver Ion filter:	UTR-FA16-5
Wired remote controller:	UTY-RLRY		UTY-XWZXZ5	External input and output PCB*1:	UTY-XCSXZ2
Simple remote controller (without operation mode):	UTY-RHRY	External switch controller:	UTY-TERX		

*1 It is required when 2 or more external input and output ports are used.

Dimensions

(Unit: mm)





NEW

Wall-mounted type

Built-in WLAN adapter model

ECO Range

Compact Size

REFRIGERANT R32

ALL DC

Economy · Powerful · 10°C HEAT · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Weekly · Filter · LAN · Washable · Blue Fin

Elegant & smart square design

An elegant and smart type in the eco range.
The delicate shading of the ridge line makes the unit an accessory for the room.

High energy saving

The size of the heat exchanger has increased to improve performance, making it more powerful despite its compact size.

Rank Cooling A++ Heating A+

SEER 7.8* SCOP 4.4

* 07 model

Comfortable airflow & Quiet operation

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

Quiet & Comfort

20 dB(A)

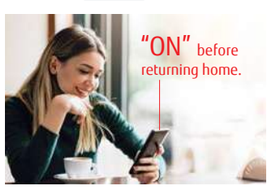
Cooling only

Smart device control

A WLAN adapter is included as standard equipment.By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

* See page C-020 for details on smart device control.

AIRSTAGE Mobile



Highly efficient operation even at high outdoor temperatures

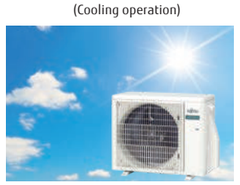
Even when installed in areas with high outdoor air temperatures (Max. 50°C*), it is comfortable because it can cool the interior well.

* suction temperature of the outdoor unit

Operation Range

MAX 50 °C

(Cooling operation)



REFRIGERANT R32

Model: ASEH07KNCA / ASEH09KNCA / ASEH12KNCA

WLAN adapter (Built-in)

Wireless RC

AR-RPF4E

Specifications

Model name	Indoor unit			ASEH07KNCA	ASEH09KNCA	ASEH12KNCA
	Outdoor unit			AOEH07KNCA	AOEH09KNCA	AOEH12KNCA
Power Source				Single phase, ~230 V, 50 Hz		
Capacity	Cooling	Rated	kW	2.0	2.5	3.4
		Min.-Max.		0.9-2.9	0.9-3.1	0.9-3.8
	Heating	Rated		2.5	2.8	3.8
		Min.-Max.		0.9-3.4	0.9-4.0	0.9-4.8
Input Power	Cooling/Heating		kW	0.50 / 0.58	0.74 / 0.70	1.05 / 1.02
EER	Cooling		W/W	4.00	3.38	3.24
COP	Heating			4.31	4.00	3.73
Pdesign	Cooling/Heating (-10°C)		kW	2.0 / 2.3	2.5 / 2.4	3.4 / 2.5
SEER	Cooling		W/W	7.8	7.4	7.0
SCOP	Heating (Average)			4.4	4.4	4.4
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	90	118	170
	Heating			731	763	795
Moisture Removal			l/h	1.0	1.0	1.4
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	36 / 33 / 29 / 20	38 / 35 / 29 / 20	40 / 36 / 32 / 20
	Indoor (Heating)	H/M/L/Q		38 / 33 / 30 / 22	38 / 33 / 30 / 22	39 / 35 / 31 / 22
	Outdoor (Cooling/Heating)	High		43 / 44	44 / 45	49 / 49
Sound Power Level	Indoor (Cooling/Heating)	High		51 / 52	53 / 52	55 / 53
	Outdoor (Cooling/Heating)	High		53 / 54	56 / 56	60 / 61
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	530 / 1,430	580 / 1,430	600 / 1,460
	Indoor/Outdoor (Heating)	High		580 / 1,390	580 / 1,390	600 / 1,360
Net Dimensions H x W x D	Indoor		mm	270 × 784 × 222	270 × 784 × 222	270 × 784 × 222
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290
Weight	Indoor		kg	9	9	9
	Outdoor		kg	22	22	24
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 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15
Operating Range	Cooling		°CDB	-10 to 50	-10 to 50	-10 to 50
	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)	0.57 (0.385)	0.57 (0.385)	0.65 (0.439)

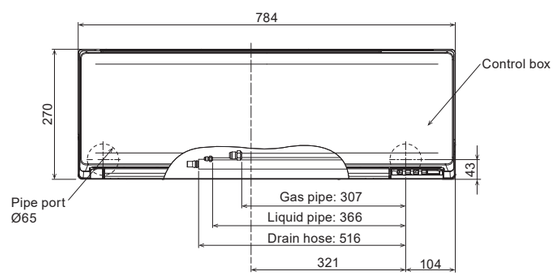
Optional parts

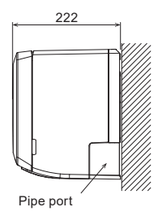
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)





Wall-mounted type

Standard Range

High-Efficiency & Large Rooms

REFRIGERANT R32

ALL DC

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

High energy saving

High-efficiency has been achieved by the lambda-shaped heat exchanger, large cross-flow fan, and the new refrigerant.

*1 Rank A++

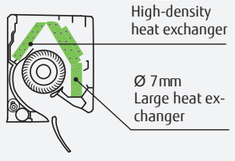
SEER 7.8 *1

SCOP 4.6 *1

*18 model

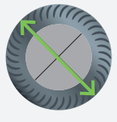
Hybrid-heat exchanger

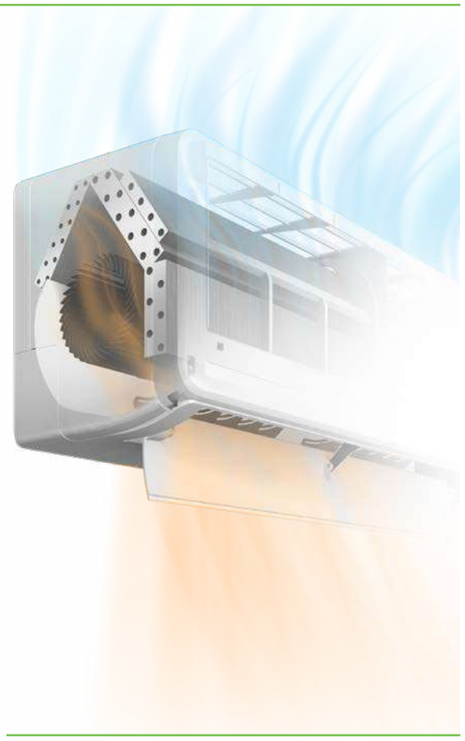
The large hybrid heat exchanger has greatly improved the heat exchange efficiency to achieve top-level SEER and SCOP.



Ø107 Large cross-flow fan

The large-diameter fan generates air volume efficiently even at reduced power.





Smart device control (Option)

With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* For more information about smart device control, please refer to the page C-020.

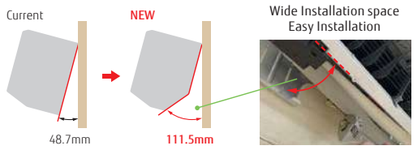
AIRSTAGE Mobile

You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.

WLAN adapter (USB)

Easy access to the flare pipe connection

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



REFRIGERANT R32

Model: ASEG18KMTE / ASEG24KMTE

Wireless RC

For ASEG18KMTE

For ASEG24KMTE

Specifications

Model name	Indoor unit			ASEG18KMTE	ASEG24KMTE
	Outdoor unit			AOEG18KMTA	AOEG24KMTA
Power Source				Single phase, ~230 V, 50 Hz	
Capacity	Cooling	Rated	kW	5.2	7.1
		Min.-Max.		0.9-6.0	0.9-8.3
	Heating	Rated		6.3	8.0
		Min.-Max.		0.9-8.7	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	7.30
SCOP	Heating (Average)			4.60	4.20
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	340
	Heating			1,460	2,362
Moisture Removal			l/h	1.7	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	980/2,350	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	12.5	12.5
	Outdoor		kg	36	42
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
Operating 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

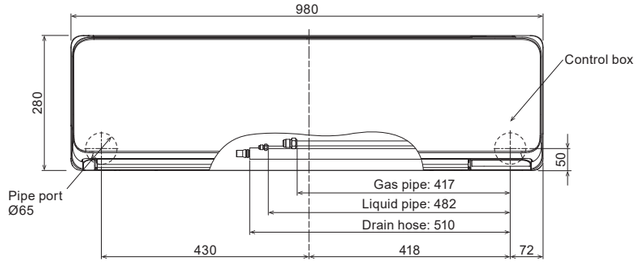
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

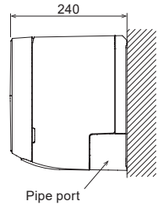
Wired Remote Controller (Design type):	UTY-RVRY	External connect kit:	UTY-XWZXZ5	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1	Communication kit:	UTY-TWRXZ2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5	External input and output PCB*1:	UTY-XCSXZ2	Silver Ion filter:	UTR-FA16-5
Wired remote controller:	UTY-RLRY	WLAN adapter:	UTY-TFSXF2	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRY		UTY-TFSXH3		
Simple remote controller:	UTY-RSRY		FG-AC-WIF1Z1		

*1 It is required when 2 or more external input and output ports are used.

Dimensions

(Unit: mm)





Wall-mounted type

Standard Range

High-Efficiency & Large Rooms

REFRIGERANT R32

Save | Economy | Powerful | 10°C HEAT | Low Noise | Auto Changeover | Double | Adjust | Restart | Sleep | Program | Weekly | Filter | Special Cooling | ION | AF | Washable | Blue Fin

Special Cooling

When it is necessary to be constantly cooled such as rooms with a high heat load, it is possible to operate the cooling with keeping performance even when the outside temperature is low.

*Wired remote controller (UTY-RNRYZ5) is required.
*Please note that we will not provide compensation for any damages suffered to your appliances or data as a result of using this function.
*Please use it in low-humidity environments.
Condensation and other problems may be caused when used in high-humidity environments.

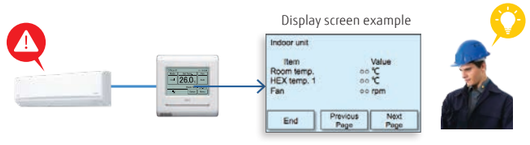
Human sensor

The Human sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.

Refrigerant cycle monitor (Option)

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

*Wired remote controller (UTY-RNRYZ5 or UTY-RVRY) is required.



Smart device control (Option)

With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* For more information about smart device control, please refer to the page C-020.

AIRSTAGE Mobile

You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.

WLAN adapter (USB)

Model: ASEH30KMTB / ASEH36KMTB

Wireless RC

Specifications

Model name	Indoor unit				ASEH30KMTB	ASEH36KMTB
	Outdoor unit				AOEH30KMTB	AOEH36KMTB
Power Source					Single phase, ~230V, 50Hz	
Capacity	Cooling	Rated		kW	8.0	9.4
		Min.-Max.			2.9-9.0	2.9-10.0
	Heating	Rated			8.8	10.1
		Min.-Max.			2.2-11.8	2.7-12.6
Input Power	Cooling/Heating			kW	2.33/2.20	3.16/2.73
EER	Cooling			W/W	3.43	2.97
COP	Heating				4.00	3.70
Pdesign	Cooling/Heating (-10°C)			kW	8.0/6.5	9.4/7.1
SEER	Cooling			W/W	6.68	6.10
SCOP	Heating (Average)				4.50	4.50
Energy Efficiency Class	Cooling				A++	A++
	Heating (Average)				A+	A+
Max. Operating Current	Cooling/Heating			A	21.0/21.0	21.5/21.5
Annual Energy Consumption	Cooling			kWh/a	419	534
	Heating				1,994	2,189
Moisture Removal				l/h	2.6	3.8
Sound Pressure Level	Indoor (Cooling)		H/M/L/Q	dB(A)	50/44/40/33	50/44/40/33
	Indoor (Heating)		H/M/L/Q		49/44/39/33	49/44/39/33
Sound Power Level	Outdoor (Cooling/Heating)		High		53/55	55/55
	Indoor (Cooling/Heating)		High		65/65	65/65
	Outdoor (Cooling/Heating)		High		68/69	70/70
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	1,330/3,750	1,330/3,750
	Indoor/Outdoor (Heating)		High		1,330/3,750	1,330/3,750
Net Dimensions H x W x D	Indoor			mm	340 × 1,150 × 280	340 × 1,150 × 280
	Outdoor			mm	788 × 940 × 320	788 × 940 × 320
Weight	Indoor			kg	18.5	18.5
	Outdoor			kg	52.0	52.0
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(30)	50(30)
Max. Height Difference					30	30
Operating Range	Cooling			°CDB	-15to46	-15to46
	Heating				-15to24	-15to24
Refrigerant	Type (Global Warming Potential)				R32(675)	R32(675)
	Charge		kg (CO2eq-T)		1.90(1.283)	1.90(1.283)

Optional parts

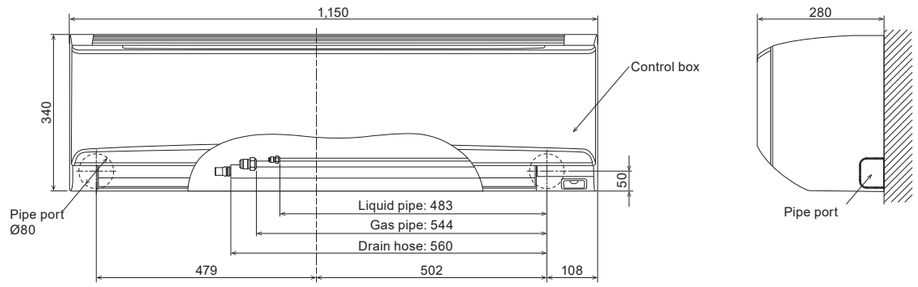
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	External connect kit:	UTY-XWZXZ5	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1	Communication kit:	UTY-TWRXZ2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5	External input and output PCB*1:	UTY-XCSXZ2	Silver Ion Filter:	UTR-FA13-3
Wired remote controller:	UTY-RLRY	WLAN adapter:	UTY-TFSXF2	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRY		UTY-TFSXH3		
Simple remote controller:	UTY-RSRY		FG-AC-WIF1Z1		

*1 It is required when 2 or more external input and output ports are used.

Dimensions

(Unit: mm)



Wall-mounted type

ECO Range

Compact Size

REFRIGERANT R32

reddot award 2019 winner

ALL DC

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

Slim & stylish square design

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

High energy saving

High-efficiency has been achieved by the lambda-shaped heat exchanger, large cross-flow fan, and the new refrigerant.

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

SEER 6.7 *1

SCOP 4.1 *2

*1:07/09 models

*2: 12 model

Comfortable airflow & Quiet operation

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

22 dB(A)

Cooling only

Smart device control (Option)

With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* For more information about smart device control, please refer to the page C-020.

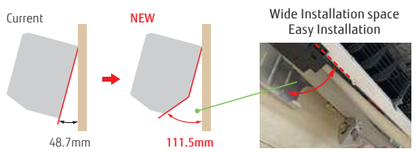
AIRSTAGE Mobile

You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.

WLAN adapter (USB)

Easy access to the flare pipe connection

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



Model: ASEG07KPCE / ASEG09KPCE / ASEG12KPCE

Wireless RC

Specifications

Model name	Indoor unit			ASEG07KPCE	ASEG09KPCE	ASEG12KPCE
	Outdoor unit			AOEG07KPCA	AOEG09KPCA	AOEG12KPCA
Power Source				Single phase, ~230 V, 50 Hz		
Capacity	Cooling	Rated	kW	2.0	2.5	3.4
		Min.-Max.		0.9-2.8	0.9-3.0	0.9-3.7
	Heating	Rated		2.5	2.8	3.8
		Min.-Max.		0.9-3.4	0.9-3.8	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	58/58	59/59
	Outdoor (Cooling/Heating)	High		57/58	59/59	62/62
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	580/1,650	580/1,650	630/1,700
	Indoor/Outdoor (Heating)	High		580/1,450	580/1,450	630/1,470
Net Dimensions H x W x D	Indoor		mm	270 × 784 × 224	270 × 784 × 224	270 × 784 × 224
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290
Weight	Indoor		kg	8	8	8
	Outdoor		kg	23	23	25
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.)				11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15
Operating 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)

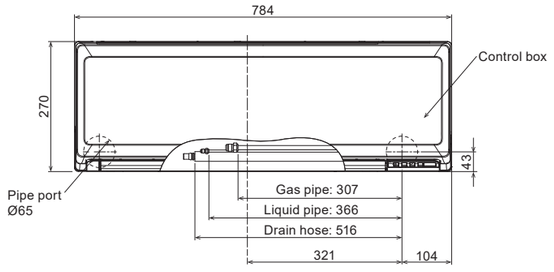
Optional parts

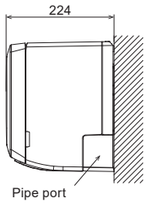
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

WLAN adapter: UTY-TFSXF2
UTY-TFSXH3
Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)





Wall-mounted type

ECO Range

Comfort for Large Rooms

ALL DC

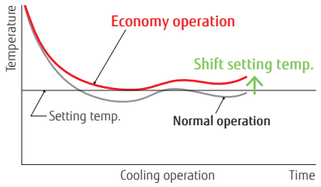
Economy · Powerful · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Filter · Washable

Narrow width & Compact design

Compact and versatile. Powerful airflow is realized despite the 790-mm width compact design for small spaces such as bedrooms or home offices.

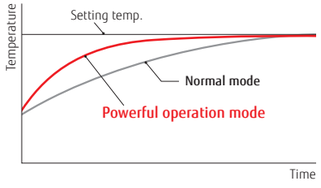
Economy operation

Set temperature automatically increases or decreases by 1°C. The thermostat setting is adjusted automatically according to the room temperature to avoid unnecessary cooling or heating.



Powerful operation

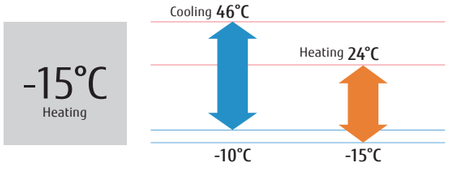
In powerful operation mode, the compressor operates at maximum speed for 20 minutes to provide a powerful airflow. Rapid cooling and heating makes the room comfortable quickly.



ON-OFF programmable timer

You can set ON/OFF or OFF/ON times depending on your lifestyle needs. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)

Low ambient operation



Model: ASEG18KLCA / ASEG24KLCA

Wireless RC

For ASEG18KLCA

For ASEG24KLCA

Specifications

Model name	Indoor unit			ASEG18KLCA	ASEG24KLCA
	Outdoor unit			AOEG18KLCA	AOEG24KLCA
Power Source				Single phase, ~230 V, 50 Hz	
Capacity	Cooling	Rated	kW	5.2	7.1
		Min.-Max.		0.9-5.5	0.9-7.7
	Heating	Rated		6.3	8.0
		Min.-Max.		0.6-7.6	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
Sound Power Level	Outdoor (Cooling/Heating)	High		50/56	55/57
	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	9.5	10.0
	Outdoor		kg	33	38
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
Operating 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)

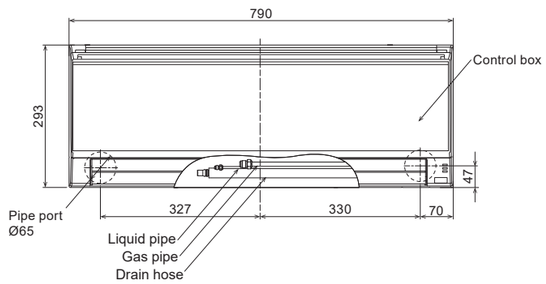
Optional parts

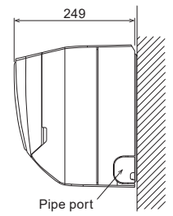
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)





NEW

Wall-mounted type

ECO Range

Cooling-enhanced type

ALL DC

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

Highly efficient operation even at high outdoor temperatures

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

*suction temperature of the outdoor unit

Rank A++

SEER 7.1* (*07 model)

Operation Range MAX 52 °C (Cooling operation)

MINIMAL SMART design

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

Comfortable airflow & Quiet operation

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

Quiet & Comfort
21 dB(A)
Cooling only

Smart device control (Option)

With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* For more information about smart device control, please refer to the page C-020.

AIRSTAGE Mobile

You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.

WLAN adapter (USB)

Model: ASEH07KLTA / ASEH09KLTA / ASEH12KLTA

Wireless RC

Specifications

Model name	Indoor unit			ASEH07KLTA	ASEH09KLTA	ASEH12KLTA
	Outdoor unit			AOEH07KLTA	AOEH09KLTA	AOEH12KLTA
Power Source				Single phase, -230 V, 50 Hz		
Capacity	Cooling	Rated	kW	2.0	2.5	3.4
		Min.-Max.		0.9-2.8	0.9-3.0	0.9-3.7
	Heating	Rated		2.4	2.5	3.4
		Min.-Max.		0.9-3.3	0.9-3.5	0.9-3.7
Input Power	Cooling/Heating		kW	0.54 / 0.64	0.76 / 0.67	1.05 / 0.915
EER	Cooling		W/W	3.70	3.29	3.24
COP	Heating			3.75	3.73	3.72
Pdesign	Cooling/Heating (-10°C)		kW	2.0 / 2.2	2.5 / 2.3	3.4 / 2.5
SEER	Cooling		W/W	7.10	6.80	6.70
SCOP	Heating (Average)			4.10	4.10	4.10
Energy Efficiency Class	Cooling			A++	A++	A++
	Heating (Average)			A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.0 / 6.0	6.0 / 6.0	7.0 / 7.0
Annual Energy Consumption	Cooling		kWh/a	99	129	178
	Heating			752	786	854
Moisture Removal			l/h	0.18	0.55	1.26
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	41 / 36 / 29 / 21	43 / 36 / 29 / 21	43 / 37 / 30 / 21
	Indoor (Heating)	H/M/L/Q		41 / 37 / 32 / 23	43 / 37 / 32 / 23	43 / 37 / 32 / 23
Sound Power Level	Outdoor (Cooling/Heating)	High		47 / 47	47 / 47	50 / 50
	Indoor (Cooling/Heating)	High		54 / 55	55 / 55	55 / 56
	Outdoor (Cooling/Heating)	High		56 / 57	58 / 57	60 / 61
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	600 / 1,650	620 / 1,650	620 / 1,700
	Indoor/Outdoor (Heating)	High		600 / 1,450	620 / 1,450	640 / 1,470
Net Dimensions H x W x D	Indoor		mm	250 × 770 × 218	250 × 770 × 218	250 × 770 × 218
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290
Weight	Indoor		kg	7.0	7.0	7.5
	Outdoor		kg	19	19	22
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 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15
Operating Range	Cooling		°CDB	10 to 52	10 to 52	10 to 52
	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)	0.53(0.358)	0.53(0.358)	0.60(0.405)

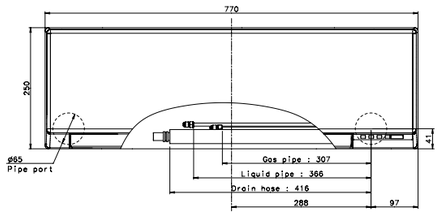
Optional parts

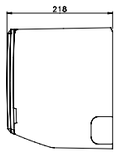
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

WLAN adapter: UTY-TFSXF2
UTY-TFSXH3
Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)





Compact Cassette

Compact 4-way Flow Range

Compact Size

ALL DC

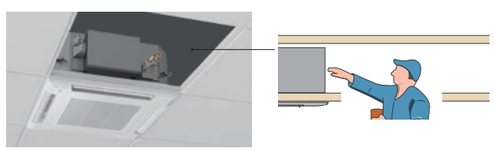
Economy · Return · 10°C HEAT · Auto Changeover · Up/Down · Adjust · Restart · Auto OFF · Sleep · Program · Weekly · Filter · On/Off · Drain Pump

Compact and stylish panel design

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

Easy maintenance

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



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

Flexible installation

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

Link up with a variety of central control system (Option)

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

Central Control System

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

For AUXG9/12/14KVLA

For AUXG18/22KVLA

For AUXG24KVLA

Specifications

Model name	Indoor unit			AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit			AOEG09KBTB	AOEG12KBTB	AOEG14KBTB	AOEG18KBTB	AOEG22KBTB	AOEG24KBTB
Power Source				Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	kW	2.5	3.5	4.3	5.2	6.0	6.8
		Min.-Max.		0.9-3.2	0.9-4.4	0.9-5.4	0.9-5.9	0.9-6.7	0.9-8.0
	Heating	Rated		3.2	4.1	5.0	6.0	7.0	7.5
		Min.-Max.		0.9-4.7	0.9-5.7	0.9-6.5	0.9-7.5	0.9-8.0	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	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6
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	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315
Weight	Indoor		kg	15	15	15	15	16	16
	Outdoor		kg	32	33	33	36	38	42
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	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
Operating 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	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620
	Weight		kg	2.3	2.3	2.3	2.3	2.3	2.3

Optional parts

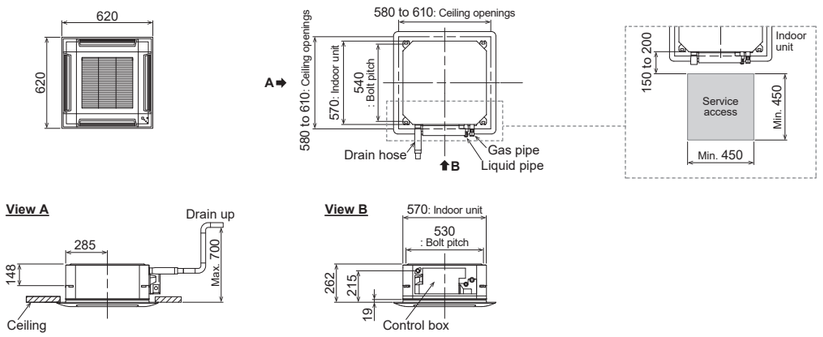
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	Wireless remote controller:	UTY-LNTY
Compact wired remote controller:	UTY-RCRYZ1	External switch controller:	UTY-TERX
Wired remote controller (touch panel):	UTY-RNRYZ5	WLAN adapter:	UTY-TFSXZ1
Wired remote controller:	UTY-RLRY		FG-RC-WIF1Z2
	UTY-RNNYM		UTY-TFSXJ3
	UTY-RVNYM		FG-AC-WIF1Z1
Simple remote controller (without operation mode):	UTY-RHRY	Air Outlet Shutter Plate:	UTR-YDZB
Simple remote controller:	UTY-RSRY	Cassette Grille:	UTG-UFYF-W

Network Convertor for single split (DC power supply type):	UTY-VTGX
Network Convertor for single split (AC power supply type):	UTY-VTGXV
Insulation kit for high humidity:	UTZ-KXGC
External input and output PCB:	UTY-XCSX
External input and output PCB box:	UTZ-GXRA
Silver Ion Filter:	UTD-HFAA
Fresh air intake kit:	UTZ-VXAA
External connect kit:	UTY-XWZXZG

Dimensions

(Unit: mm)



Cassette

Circular Flow Range

Comfort for Large Rooms

REFRIGERANT R32

ALL DC

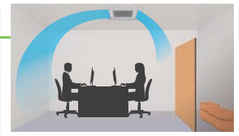
Economy · Set Temp. · Return · Auto Changeover · Up/Down · Adjust · Restart · Duct · Distributing · Individual · Auto OFF · Weekly · Filter · On/Off · Drain Pump · Blue Fin

(30/36/45/54)

Unique circular flow design

The Cassette model realizes a Circular Flow to blow a large airflow in a 360° direction by using a high-performance DC fan motor, turbo fan, and a unique seamless airflow louver design.

Airflows avoid blowing cool air directly at the occupants in the room, providing more comfortable air conditioning.



Provides efficient air conditioning based on the room layout

Individual louver control

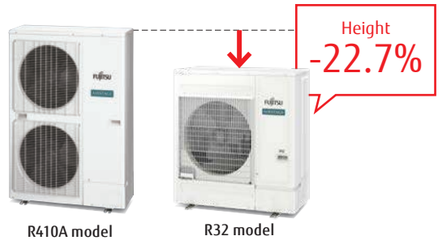
Each louver can be controlled individually with a wired remote controller equipped with a touch panel to provide different directional airflows according to the room layout.

*Wired remote controller (touch panel) (UTY-RNRGZ3) only

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

Compact and lightweight outdoor unit

The outdoor units for the 45,000 BTU and 54,000 BTU models have been completely redesigned. Easier installation is achieved for this compact and lightweight outdoor unit.



R410A model　　R32 model

Link up with a variety of central control system (Option)

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

Central Control System

Various cassette grilles

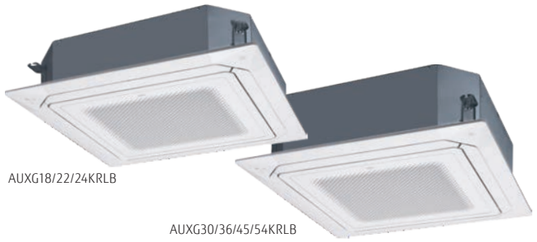
Both black and white grilles are available. Three types of grilles are available: a white grille with a remote controller; a white grille without a remote controller; and a black grille without a remote controller.
Select to match the atmosphere and/or usage of the room.

UTG-UKYA-W
White Grille
Wired remote controller (touch panel)

UTG-UKYA-B
Black Grille

UTG-UKYC-W
White Grille

Model: AUXG18KRLB / AUXG22KRLB / AUXG24KRLB / AUXG30KRLB / AUXG36KRLB / AUXG45KRLB / AUXG54KRLB
AUXG36KRLB [3-phase] / AUXG45KRLB [3-phase] / AUXG54KRLB [3-phase]



AUXG18/22/24KRLB

AUXG30/36/45/54KRLB

For AUXG18/22KRLB

For AUXG24KRLB

For AUXG30/36KRLB

For AUXG45/54KRLB

Specifications

Model name	Indoor unit			AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit			AOEG18KBTB	AOEG22KBTB	AOEG24KBTB	AOEG30KBTB	AOEG36KBTB	AOEG45KBTB	AOEG54KBTB	AOEG36KRTA	AOEG45KRTA	AOEG54KRTA
Power Source				Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	5.2	6.0	6.8	8.5	9.5	12.1	13.4	9.5	12.1	13.4
		Min.-Max.		0.9-5.9	0.9-6.7	0.9-8.0	2.8-10.0	2.8-11.2	4.0-14.0	4.5-14.5	2.8-11.2	4.0-14.0	4.5-14.5
	Heating	Rated		6.0)	7.0	7.5	10.0	10.8	13.5	15.5	10.8	13.5	15.5
		Min.-Max.		0.9-7.5	0.9-8.0	0.9-9.1	2.7-11.2	2.7-12.7	4.2-16.2	4.7-16.5	2.7-12.7	4.2-16.2	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	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	3.26	3.35	3.04
COP	Heating			3.80	3.85	3.95	3.98	4.40	4.20	3.73	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	-	-	9.5/8.7	-	-
SEER	Cooling		W/W	7.00	7.00	6.60	6.70	6.55	-	-	6.55	-	-
SCOP	Heating (Average)			4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	-	-	A++	-	-
	Heating (Average)			A+	A+	A+	A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling		kWh/a	260	300	360	444	507	-	-	507	-	-
	Heating			1,431	1,527	1,999	2,601	2,828	-	-	2,828	-	-
Moisture Removal			l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0	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	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	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	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	58/58	60/60	61/61
	Outdoor (Cooling/Heating)	High		62/62	63/63	65/66	68/69	70/70	71/71	73/73	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	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	1,870/3,750	2,000/4,450	2,100/4,450
Net Dimensions H x W x D	Indoor		mm	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
	Outdoor		mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg	23	23	24	26	29	29	29	29	29	29
	Outdoor		kg	36	38	42	52	52	67	67	53	67	67
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	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	25/32
Max. Pipe Length (Pre-Charge)			m	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference				20	25	25	30	30	30	30	30	30	30
Operating 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	-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	-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)	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)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)
Cassette Grille	Variation			UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*1: Black							UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*1: Black		
	Dimensions (H × W × D)		mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight		kg	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

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

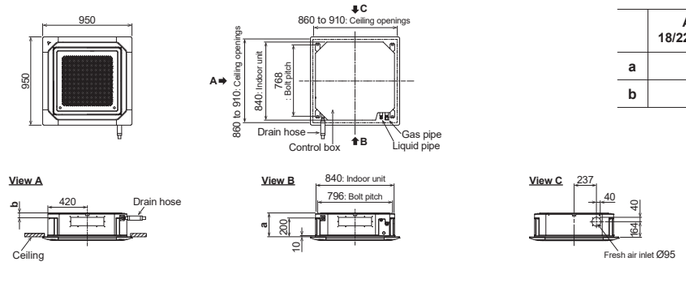
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	WLAN adapter:	UTY-TFSXZ1	Cassette Grille:	UTG-UKYA-B
Compact wired remote controller:	UTY-RCRYZ1		FG-RC-WIF1Z2		UTG-UKYA-W
Wired remote controller (touch panel):	UTY-RNRYZ5		UTY-TFSXJ3		UTG-UKYC-W
Wired remote controller:	UTY-RLRY		FG-AC-WIF1Z1	Network Convertor for single split (DC power supply type):	UTY-VTGX
	UTY-RNNYM	External input and output PCB:	UTY-XCSX	Network Convertor for single split (AC power supply type):	UTY-VTGXV
	UTY-RVNYM	External input and output PCB box:	UTZ-GXRA	Silver Ion Filter:	UTD-HFRA
Simple remote controller (without operation mode):	UTY-RHRY	Insulation kit for high humidity:	UTZ-KXRA	External connect kit:	UTY-XWZXZG
Simple remote controller:	UTY-RSRY	Fresh air intake kit:	UTZ-VXRA		
Human sensor kit:	UTY-SHZXC	Wide Panel:	UTG-AKXA-W	**(Outdoor unit 30/36/45/54)**	
External switch controller:	UTY-TERX	Panel Spacer:	UTG-BKXA-W	External connect kit:	UTY-XWZXZ3
IR receiver unit	UTY-LBTYC	Air Outlet Shutter Plate:	UTR-YDZK		

Dimensions

(Unit: mm)



	AUXG 18/22/24KRLB	AUXG 30/36/45/54KRLB
a	256	298
b	56	98

Slim Duct

Slim Design

ALL DC

Economy | Return | Auto Changeover | Adjust | Restart | Auto OFF | Weekly | +Setback | Filter | On/Off | Drain Pump

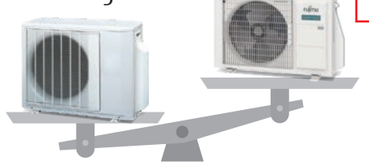
Slim design

The slim design fits nicely into narrow spaces under the ceiling.
Drain hose as standard accessory

Height
198 mm
Built-in drain pump

Compact and lightweight outdoor unit

The compact and lightweight outdoor unit offers greater flexibility in the choice of installation location. This makes it easier to use this outdoor unit.



Wide range of static pressures

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

Static pressure range
0 to 90 Pa

Auto louver grille kit (Option)

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

Link up with a variety of central control system (Option)

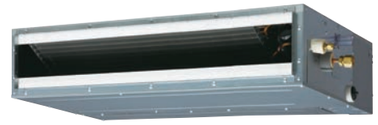
Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.

Central Control System

REFRIGERANT R32

Model: ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP

ARXG09/12/14KLLAP



ARXG18KLLAP

For ARXG09/12/14KLLAP

For ARXG18KLLAP

Specifications

Model name	Indoor unit			ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit			AOEG09KBTB	AOEG12KBTB	AOEG14KBTB	AOEG18KBTB
Power Source				Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	kW	2.5	3.5	4.3	5.2
		Min.-Max.		0.9-3.2	0.9-4.4	0.9-5.4	0.9-5.9
	Heating	Rated		3.2	4.1	5.0	6.0
		Min.-Max.		0.9-4.7	0.9-5.7	0.9-6.5	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	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1
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	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290
Weight	Indoor		kg	17	17	17	20
	Outdoor		kg	32	33	33	36
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.)				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
Operating 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)

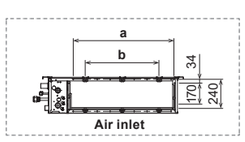
Optional parts

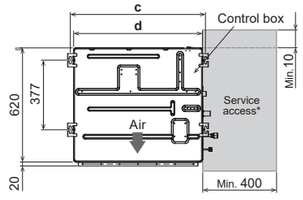
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

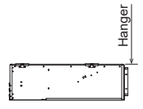
Wired Remote Controller (Design type):	UTY-RVRY	WLAN adapter:	UTY-TFSXZ1	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1		FG-RC-WIF1Z2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5		UTY-TFSXJ3	External connect kit:	UTY-XWZXZG
Wired remote controller:	UTY-RLRY		FG-AC-WIF1Z1	Remote sensor unit:	UTY-XSZXZ1
	UTY-RNNYM	Silver Ion Filter:	UTD-HFTA (09-14)	Auto Louver Grille Kit:	UTD-GXTA-W (09-14)
	UTY-RVNYM		UTD-HFTB (18)		UTD-GXTB-W (18)
Simple remote controller (without operation mode):	UTY-RHRY	External switch controller:	UTY-TERX		
Simple remote controller:	UTY-RSRY	IR receiver unit:	UTY-LBTYM		

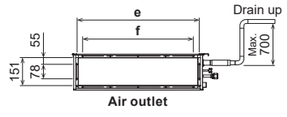
Dimensions

(Unit: mm)



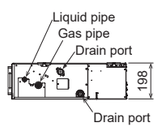






	ARXG 09 / 12 / 14KLLAP	ARXG18KLLAP
a	574	774
b	P200×2=400	P200×3=600
c	734	934
d	700	900
e	650	850
f	P100×6=600	P100×8=800

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



NEW

Medium Static Pressure Duct

High-Efficiency & Comfort

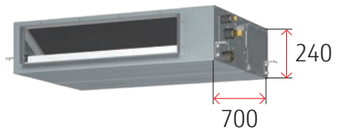
ALL DC

Auto Changeover · Adjust · Restart · Duct · OFF Auto OFF · Program · Filter · Error · On/Off · Adjust · Drain Pump

Slim & Compact design

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

(Unit: mm)



High energy saving

The new model has achieved high energy efficiency rank with a compact design.

Rank Cooling A++ Heating A+

SEER 6.50*1

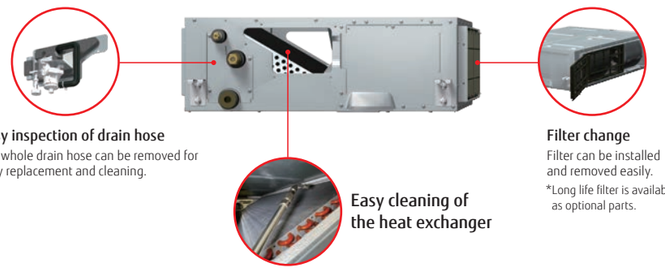
SCOP 4.20*2

*1: 12/22 models

*2: 12/22/24 models

Easy maintenance

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



Easy inspection of drain hose
The whole drain hose can be removed for easy replacement and cleaning.

Easy cleaning of the heat exchanger

Filter change
Filter can be installed and removed easily.
*Long life filter is available as optional parts.

Drain hose as standard

A drain hose is a standard accessory, making it easy to design drainage even in narrow spaces under the ceiling.

Wide range of static pressures

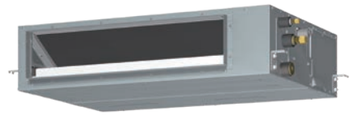
Static pressures can be changed in the range of 30 to 150 Pa.

Static pressure range
30 to 150 Pa

REFRIGERANT R32

Model: ARXH12KMTAP / ARXH14KMTAP / ARXH18KMTAP / ARXH22KMTAP / ARXH24KMTAP

ARXH12/14/18KMTAP



ARXH22/24KMTAP

for ARXH12/14KMTAP

For ARXH18/22KMTAP

For ARXH24KMTAP

Specifications

Model name	Indoor unit			ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP	ARXH24KMTAP
	Outdoor unit			AOEG12KBTB	AOEG14KBTB	AOEG18KBTB	AOEG22KBTB	AOEG24KBTB
Power Source				Single phase, ~230 V, 50 Hz				
Capacity	Cooling	Rated	kW	3.5	4.3	5.2	6.0	6.8
		Min.-Max.		0.9-4.4	0.9-5.4	0.9-5.9	0.9-6.7	0.9-8.0
	Heating	Rated		4.1	5.0	6.0	7.0	7.5
		Min.-Max.		0.9-5.7	0.9-6.5	0.9-7.5	0.9-8.0	0.9-9.1
Input Power	Cooling/Heating		kW	0.930 / 1.080	1.260 / 1.320	1.580 / 1.740	1.67 / 1.84	1.89 / 1.87
EER	Cooling		W/W	3.76	3.40	3.30	3.60	3.60
COP	Heating			3.80	3.79	3.45	3.80	4.01
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
SEER	Cooling		W/W	6.50	6.10	6.20	6.50	6.40
SCOP	Heating (Average)			4.20	4.00	4.10	4.20	4.20
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	9.7 / 9.7	10.2 / 10.2	12.1 / 12.1	12.6 / 12.6	13.6 / 13.6
Annual Energy Consumption	Cooling		kWh/a	196	255	301	331	380
	Heating			1,133	1,330	1,501	1,598	1,999
Moisture Removal			l/h	1.3	1.3	2.0	1.5	2.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32 / 28 / 25 / 24	34 / 30 / 28 / 26
	Indoor (Heating)	H/M/L/Q		29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32 / 28 / 25 / 24	34 / 30 / 28 / 26
Sound Power Level	Outdoor (Cooling/Heating)	High		47 / 47	49 / 49	50 / 50	51 / 51	53 / 54
	Indoor (Cooling/Heating)	High		58 / 58	59 / 59	60 / 60	58 / 58	60 / 60
	Outdoor (Cooling/Heating)	High		61 / 61	62 / 62	62 / 62	63 / 63	65 / 66
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	650 / 1,580	800 / 1,670	840 / 2,160	1,150 / 2,240	1,230 / 2,700
	Indoor/Outdoor (Heating)	High		650 / 1,520	800 / 1,580	840 / 1,830	1,150 / 1,960	1,230 / 2,700
Static pressure range (Standard)			Pa	30 to 150 (40)	30 to 150 (40)	30 to 150 (40)	30 to 150 (40)	30 to 150 (50)
Net Dimensions H x W x D	Indoor		mm	240 × 700 × 700	240 × 700 × 700	240 × 700 × 700	240 × 1,000 × 700	240 × 1,000 × 700
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315
Weight	Indoor		kg	24	24	24	31	31
	Outdoor		kg	33	33	36	38	42
Connection Pipe Diameter (Liquid/Gas)			mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	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
Max. Pipe Length (Pre-Charge)			m	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)
Max. Height Difference				20	20	20	25	25
Operating 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)			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)

Optional parts

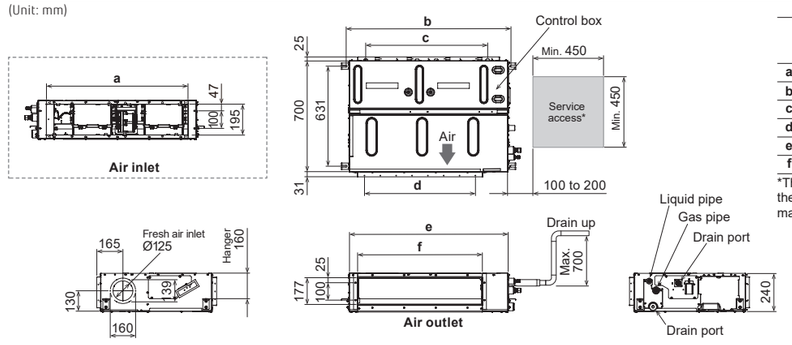
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	Silver ion filter:	UTD-HFNC (12/14/18)
Compact wired remote controller:	UTY-RCRYZ1		UTD-HFNB (22/24)
Wired remote controller (touch panel):	UTY-RNRYZ5	Long-life filter:	UTD-LFDC (12/14/18)
Wired remote controller:	UTY-RLRY		UTD-LFDB (22/24)
Simple remote controller (without operation mode):	UTY-RHRY	MODBUS converter:	UTY-VMSX
Simple remote controller:	UTY-RSRY	KNX converer:	UTY-VKSX
Remote sensor unit:	UTY-XSZX	WLAN adapter:	UTY-TFSXZ1
	UTY-XSZXZ1		UTY-TFSXJ3

External input and output PCB:	UTY-XCSX
External input and output PCB bracket:	UTZ-GXDA
Network Convertor for single split (DC power supply type):	UTY-VTGX
Network Convertor for single split (AC power supply type):	UTY-VTGXV
External connect kit:	UTY-XWZXZG
IR receiver unit:	UTY-LBTYM
External switch controller:	UTY-TERX

Dimensions

(Unit: mm)



	ARXH 12 / 14 / 18 KMTAP	ARXH 22 / 24 KMTAP
a	650	895
b	740	1,040
c	P100 × 5 = 500	P100 × 8 = 800
d	P100 × 5 = 500	P100 × 7 = 700
e	700	1,000
f	490	790

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

NEW

Medium Static Pressure Duct

High-Efficiency & Comfort

ALL DC

Auto Changeover · Adjust · Restart · Duct · OFF Auto OFF · Program · Filter · Error · On/Off · Adjust · Drain Pump

Slim & Compact design

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

(Unit: mm)

High energy saving

The new model has achieved high energy efficiency rank with a compact design.

Rank
Cooling A++
Heating A+

SEER 6.23*1

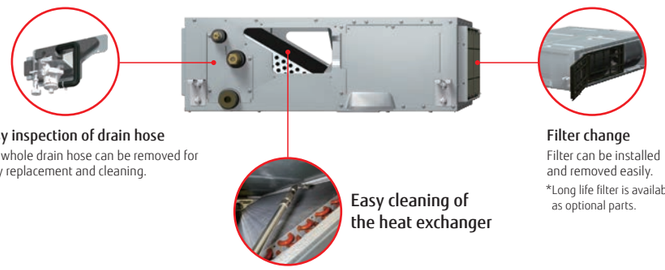
*1: 30 model

SCOP 4.10*2

*2: 36 model

Easy maintenance

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



Easy inspection of drain hose
The whole drain hose can be removed for easy replacement and cleaning.

Easy cleaning of the heat exchanger

Filter change
Filter can be installed and removed easily.
*Long life filter is available as optional parts.

Drain hose as standard

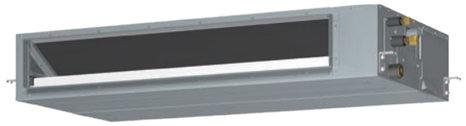
A drain hose is a standard accessory, making it easy to design drainage even in narrow spaces under the ceiling.

Wide range of static pressures

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

Static pressure range
30 to 150 Pa

Model: ARXH30KMTAP / ARXH36KMTAP / ARXH45KMTAP / ARXH54KMTAP
ARXH36KMTAP [3-phase] / ARXH45KMTAP [3-phase] / ARXH54KMTAP [3-phase]



ARXH30/36/45/54KMTAP

For ARXH30/36KMTAP

For ARXH45/54KMTAP

Specifications

Model name	Indoor unit			ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH54KMTAP
	Outdoor unit			AOEG30KBTB	AOEG36KBTB	AOEG45KBTB	AOEG36KRTA	AOEG45KRTA	AOEG54KRTA
Power Source				Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	8.5	9.5	12.1	9.5	12.1	13.4
		Min.-Max.		2.8-10.0	2.8-11.2	4.0-13.5	2.8-11.2	4.0-13.5	4.5-14.5
	Heating	Rated		10.0	10.8	13.5	10.8	13.5	15.5
		Min.-Max.		2.7-11.2	2.7-12.7	4.2-16.2	2.7-12.7	4.2-16.2	4.7-16.5
Input Power	Cooling/Heating		kW	2.57 / 2.50	2.97 / 2.70	3.87 / 3.73	2.97 / 2.70	3.87 / 3.73	4.62 / 4.65
EER	Cooling		W/W	3.31	3.20	3.13	3.20	3.13	2.90
COP	Heating			4.00	4.00	3.62	4.00	3.62	3.33
Pdesign	Cooling/Heating (-10°C)		kW	8.5 / 8.0	9.5 / 8.7	-	9.5 / 8.7	-	-
SEER	Cooling		W/W	6.23	6.10	-	6.10	-	-
SCOP	Heating (Average)			4.00	4.10	-	4.10	-	-
Energy Efficiency Class	Cooling			A++	A++	-	A++	-	-
	Heating (Average)			A+	A+	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	22.6 / 22.6	22.6 /22.6	28.5 / 28.5	10.5 / 10.5	14.0 / 14.0	14.0 / 14.0
Annual Energy Consumption	Cooling		kWh/a	485	553	-	553	-	-
	Heating			2,795	2,970	-	2,970	-	-
Moisture Removal			l/h	1.8	2.0	4.0	2.0	4.0	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29	40 / 36 / 32 / 29
	Indoor (Heating)	H/M/L/Q		38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29	40 / 36 / 32 / 29
Sound Power Level	Outdoor (Cooling/Heating)	High		53 / 55	55 / 55	57 / 57	55 / 55	57 / 57	57 / 59
	Indoor (Cooling/Heating)	High		64 / 64	65 / 65	67 / 67	65 / 65	67 / 67	67 / 67
	Outdoor (Cooling/Heating)	High		68 / 69	70 / 70	71 / 71	70 / 70	71 / 71	73 / 73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450	2,160 / 4,450
	Indoor/Outdoor (Heating)	High		1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450	2,160 / 4,450
Static pressure range (Standard)			Pa	30 to 150 (50)	30 to 150 (50)	30 to 150 (60)	30 to 150 (50)	30 to 150 (60)	30 to 150 (60)
Net Dimensions H x W x D	Indoor		mm	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700
	Outdoor		mm	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg	42	42	42	42	42	42
	Outdoor		kg	52	52	67	53	67	67
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
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	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference				30	30	30	30	30	30
Operating 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)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

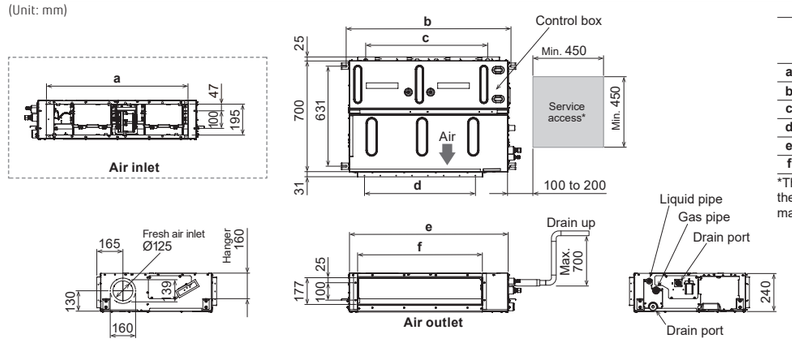
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	IR receiver unit:	UTY-LBTYM	External input and output PCB:	UTY-XCSX
Compact wired remote controller:	UTY-RCRYZ1	Silver ion filter:	UTD-HFNA	External input and output PCB bracket:	UTZ-GXDA
Wired remote controller (touch panel):	UTY-RNRYZ5	Long-life filter:	UTD-LFDA	Network Convertor for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RLRY	MODBUS converter:	UTY-VMSX	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Simple remote controller (without operation mode):	UTY-RHRY	KNX converer:	UTY-VKSX	External connect kit:	UTY-XWZXZG
Simple remote controller:	UTY-RSRY	WLAN adapter:	UTY-TFSXZ1		
Remote sensor unit:	UTY-XSZX		UTY-TFSXJ3	(Outdoor unit)	
	UTY-XSZXZ1	External switch controller:	UTY-TERX	External connect kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)



	ARXH 30 / 36 / 45 / 54 KMTAP
a	1,295
b	1,440
c	P100 × 12 = 1,200
d	P100 × 11 = 1,100
e	1,400
f	1,190

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

Medium Static Pressure Duct

Compact Size

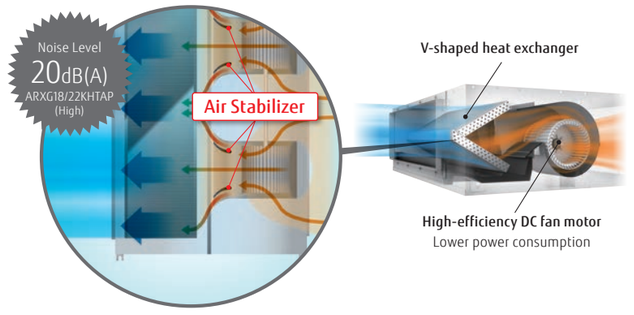
ALL DC

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

(30)

High-efficiency & Quiet operation

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



Small, lightweight outdoor unit

The outdoor unit in this series is smaller and lighter than previous-generation outdoor units. It can be installed in a narrow space.

Automatic airflow adjustment function

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

Automatically adjust !

Link up with a variety of central control system (Option)

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

Model: ARXG12KHTAP / ARXG14KHTAP / ARXG18KHTAP / ARXG22KHTAP / ARXG24KHTAP / ARXG30KHTAP

ARXG12/14KHTAP

ARXG18/22/24/30KHTAP

For ARXG12/14KHTAP · For ARXG18/22KHTAP · For ARXG24KHTAP · For ARXG30KHTAP

Specifications

Model name	Indoor unit			ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP
	Outdoor unit			AOEG12KBTB	AOEG14KBTB	AOEG18KBTB	AOEG22KBTB	AOEG24KBTB	AOEG30KBTB
Power Source				Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	kW	3.5	4.3	5.2	6.0	6.8	8.5
		Min.-Max.		0.9-4.4	0.9-5.4	0.9-5.9	0.9-6.7	0.9-8.0	2.8-10.0
	Heating	Rated		4.1	5.0	6.0	7.0	7.5	10.0
		Min.-Max.		0.9-5.7	0.9-6.5	0.9-7.5	0.9-8.0	0.9-9.1	2.7-11.2
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
EER	Cooling		W/W	4.02	3.68	3.82	3.51	3.60	3.21
COP	Heating			4.10	4.00	3.85	3.87	4.06	3.80
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
SEER	Cooling		W/W	6.30	6.20	6.50	6.50	6.50	6.23
SCOP	Heating (Average)			4.10	4.00	4.10	4.20	4.10	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	9.7/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6
Annual Energy Consumption	Cooling		kWh/a	194	243	280	323	366	477
	Heating			1,159	1,328	1,501	1,597	2,048	2,796
Moisture Removal			l/h	0.7	0.9	1.2	1.5	1.8	2.3
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
	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
Sound Power Level	Outdoor (Cooling/Heating)	High		47/47	49/49	50/50	51/51	53/54	53/55
	Indoor (Cooling/Heating)	High		57/58	59/60	54/54	57/57	57/57	63/65
	Outdoor (Cooling/Heating)	High		61/61	62/62	62/62	63/63	65/66	68/69
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
	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
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)
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 × 1,000 × 700
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320
Weight	Indoor		kg	27	27	35	35	36	36
	Outdoor		kg	33	33	36	38	42	52
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70	6.35/12.70	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	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)	50 (30)
Max. Height Difference				20	20	20	25	25	30
Operating 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)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)

Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type): UTY-RVRY
Compact wired remote controller: UTY-RCRYZ1
Wired remote controller (touch panel): UTY-RNRYZ5
Wired remote controller: UTY-RLRY
UTY-RNNYM
UTY-RVNYM
Simple remote controller (without operation mode): UTY-RHRY
Simple remote controller: UTY-RSRY
Remote sensor unit: UTY-XSZXZ1

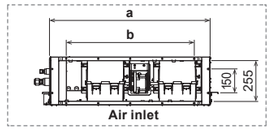
Long-life filter: UTD-LFNB (18-30)
UTD-LFNC (12-14)
Silver Ion Filter: UTD-HFNB (18-30)
UTD-HFNC (12/14)
WLAN adapter: UTY-TFSXZ1
FG-RC-WIF1Z2
UTY-TFSXJ3
FG-AC-WIF1Z1
IR receiver unit: UTY-LBTYM

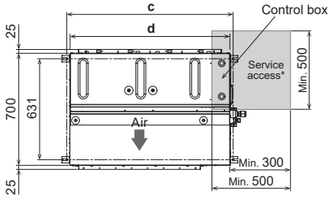
External input and output PCB: UTY-XCSX
External connect kit: UTY-XWZXZG
External input and output PCB bracket: UTZ-GXNA
Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor for single split (AC power supply type): UTY-VTGXV
External switch controller: UTY-TERX

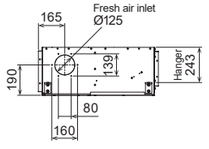
(Outdoor unit 30)
External connect kit: UTY-XWZXZ3

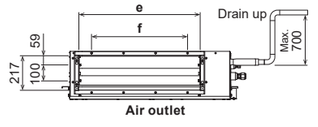
Dimensions

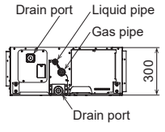
(Unit: mm)











	ARXG 12 / 14 KHTAP	ARXG 18 / 22 / 24 / 30 KHTAP
a	650	895
b	P100×5=500	P100×8=800
c	740	1,040
d	700	1,000
e	462	762
f	P100×4=400	P100×7=700

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

Medium Static Pressure Duct

Compact Size

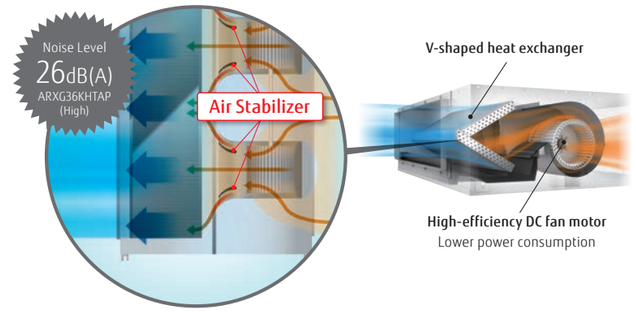
ALL DC

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

(36/45/54)

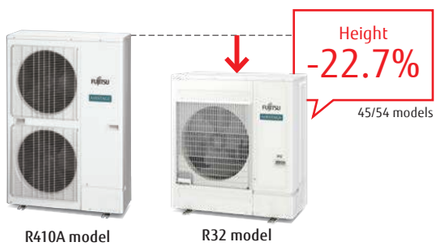
High-efficiency & Quiet operation

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



Small, lightweight outdoor unit

The outdoor unit in this series is smaller and lighter than previous-generation outdoor units. It can be installed in a narrow space.



Automatic airflow adjustment function

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

Automatically adjust !

Link up with a variety of central control system (Option)

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

Model: ARXG36KHTAP / ARXG45KHTAP / ARXG54KHTAP
ARXG36KHTAP [3-phase] / ARXG45KHTAP [3-phase] / ARXG54KHTAP [3-phase]

ARXG36/45/54KHTAP

For ARXG36KHTAP

For ARXG45/54KHTAP

Specifications

Model name	Indoor unit			ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
	Outdoor unit			AOEG36KBTB	AOEG45KBTB	AOEG54KBTB	AOEG36KRTA	AOEG45KRTA	AOEG54KRTA
Power Source				Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	9.5	12.1	13.4	9.5	12.1	13.4
		Min.-Max.		2.8-11.2	4.0-14.0	4.5-14.5	2.8-11.2	4.0-14.0	4.5-14.5
	Heating	Rated		10.8	13.5	15.5	10.8	13.5	15.5
		Min.-Max.		2.7-12.7	4.2-16.2	4.7-16.5	2.7-12.7	4.2-16.2	4.7-16.5
Input Power	Cooling/Heating		kW	2.86/2.48	3.53/3.37	4.42/3.89	2.86/2.48	3.53/3.37	4.42/3.89
EER	Cooling		W/W	3.32	3.43	3.03	3.32	3.43	3.03
COP	Heating			4.35	4.01	3.98	4.35	4.01	3.98
Pdesign	Cooling/Heating (-10°C)		kW	9.5/8.7	-	-	9.5/8.7	-	-
SEER	Cooling		W/W	6.10	-	-	6.10	-	-
SCOP	Heating (Average)			4.20	-	-	4.20	-	-
Energy Efficiency Class	Cooling			A++	-	-	A++	-	-
	Heating (Average)			A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	22.6/22.6	28.5/28.5	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling		kWh/a	544	-	-	544	-	-
	Heating			2,898	-	-	2,898	-	-
Moisture Removal			l/h	2.0	2.6	3.7	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	36/31/28/26	39/35/31/29	39/35/31/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q		33/31/28/26	39/35/31/29	39/35/31/29	33/31/28/26	39/35/31/29	39/35/31/29
Sound Power Level	Outdoor (Cooling/Heating)	High		55/55	57/57	57/59	55/55	57/57	57/59
	Indoor (Cooling/Heating)	High		64/63	67/69	67/69	64/63	67/69	67/69
	Outdoor (Cooling/Heating)	High		70/70	71/71	73/73	70/70	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	2,050/3,750	2,550/4,450	2,550/4,450	2,050/3,750	2,550/4,450	2,550/4,450
	Indoor/Outdoor (Heating)	High		1,850/3,750	2,550/4,450	2,550/4,450	1,850/3,750	2,550/4,450	2,550/4,450
Static pressure range (Standard)			Pa	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)	30-200 (47)	30-200 (60)	30-200 (60)
Net Dimensions H x W x D	Indoor		mm	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700
	Outdoor		mm	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg	46	46	46	46	46	46
	Outdoor		kg	52	67	67	53	67	67
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
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	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference				30	30	30	30	30	30
Operating 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 ((O2eq-T)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

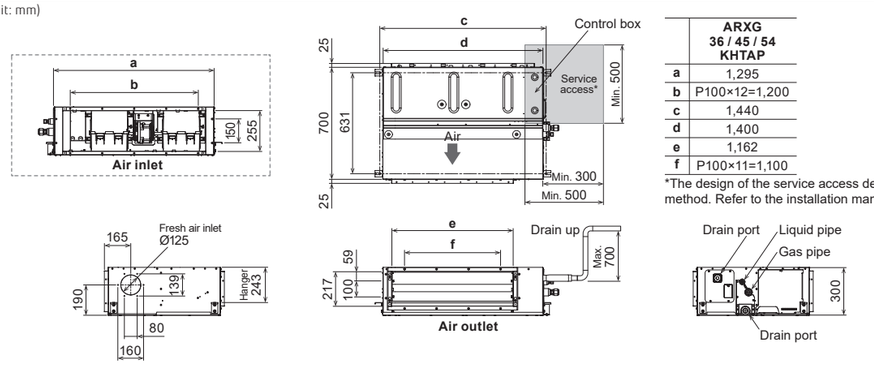
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	Long-life filter:	UTD-LFNA	External input and output PCB:	UTY-XCSX
Compact wired remote controller:	UTY-RCRYZ1	Silver Ion Filter:	UTD-HFNA	External input and output PCB bracket:	UTZ-GXNA
Wired remote controller (touch panel):	UTY-RNRYZ5		UTY-TFSXZ1	Network Convertor for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RLRY		FG-RC-WIF1Z2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
	UTY-RNNYM	WLAN adapter:	UTY-TFSXJ3		
	UTY-RVNYM		FG-AC-WIF1Z1	(Outdoor unit 36/45/54)	
Simple remote controller (without operation mode):	UTY-RHRY	External switch controller:	UTY-TERX	External connect kit:	UTY-XWZXZ3
Simple remote controller:	UTY-RSRY	IR receiver unit:	UTY-LBTYM		
Remote sensor unit:	UTY-XSZXZ1	External connect kit:	UTY-XWZXZG		

Dimensions

(Unit: mm)



	ARXG 36 / 45 / 54 KHTAP
a	1,295
b	P100×12=1,200
c	1,440
d	1,400
e	1,162
f	P100×11=1,100

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

Medium Static Pressure Duct

Standard

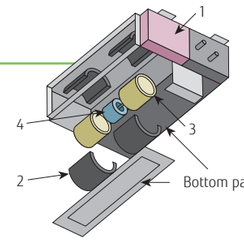
ALL DC

Economy | Return | Auto Changeover | Adjust | Restart | Duct | Distributing | Auto OFF | Weekly | +Setback | Filter | On/Off | Blue Fin

(30/36/45)

Easy maintenance

Structural improvement is attained by making the bottom panel in two pieces—front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. As a result, the motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing while leaving the main chassis in place.



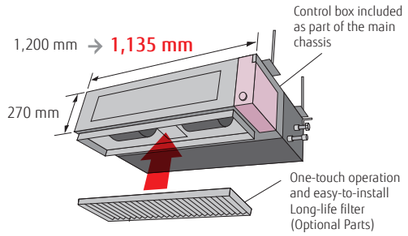
1. Control box
2. Fan casing
3. Fan
4. Motor

See below for case of rear-suction type

Slim & Compact design

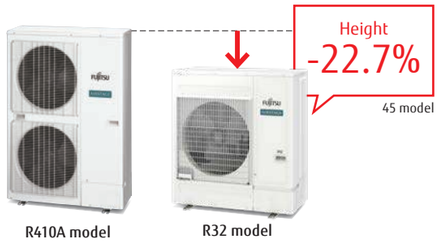
Indoor Unit

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

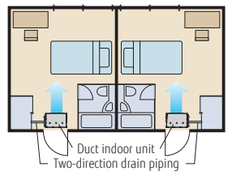


Outdoor Unit

The outdoor units for the 45,000 BTU and 54,000 BTU models have been completely redesigned. Easier installation is achieved for this compact and lightweight outdoor unit.



Two-direction drain piping



Link up with a variety of central control system (Option)

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

Central Control System

Model: ARXG22KMLB / ARXG24KMLA / ARXG30KMLA / ARXG36KMLA / ARXG45KMLA
ARXG36KMLA [3-phase] / ARXG45KMLA [3-phase]

For ARXG22KMLB | For ARXG24KMLA | For ARXG30/36KMLA | For ARXG45KMLA

Specifications

Model name	Indoor unit			ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit			AOEG22KBTB	AOEG24KBTB	AOEG30KBTB	AOEG36KBTB	AOEG45KBTB	AOEG36KRTA	AOEG45KRTA
Power Source				Single phase, ~230 V, 50 Hz					3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	kW	6.0	6.8	8.5	9.5	12.1	9.5	12.1
		Min.-Max.		0.9-6.7	0.9-8.0	2.8-10.0	2.8-11.2	4.0-13.0	2.8-11.2	4.0-13.0
	Heating	Rated		7.0	7.5	10.0	10.8	13.5	10.8	13.5
		Min.-Max.		0.9-8.0	0.9-9.1	2.7-11.2	2.7-12.7	4.2-15.2	2.7-12.7	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	2.97/2.88	4.22/3.84
EER	Cooling		W/W	3.37	3.18	3.21	3.20	2.87	3.20	2.87
COP	Heating			3.74	3.80	3.80	3.75	3.52	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	-	9.5/8.7	-
SEER	Cooling		W/W	6.10	6.20	6.23	6.10	-	6.10	-
SCOP	Heating			4.10	4.10	4.00	4.00	-	4.00	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	-	A++	-
	Heating			A+	A+	A+	A+	-	A+	-
Max. Operating Current	Cooling/Heating		A	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0
Annual Energy Consumption	Cooling		kWh/a	344	384	477	545	-	545	-
	Heating			1,637	2,045	2,797	3,044	-	3,044	-
Moisture Removal			l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q		31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28
Sound Power Level	Outdoor (Cooling/Heating)	High		51/51	53/54	53/55	55/55	57/57	55/55	57/57
	Indoor (Cooling/Heating)	High		60/62	60/62	65/69	65/70	68/70	65/70	68/70
	Outdoor (Cooling/Heating)	High		63/63	65/66	68/69	70/70	71/71	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	1,900/3,750	2,100/4,450
	Indoor/Outdoor (Heating)	High		1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450	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)	30-150 (47)	30-150 (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	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
	Outdoor		mm	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg	35	35	38	38	39	38	39
	Outdoor		kg	38	42	52	52	67	53	67
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	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 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference				25	25	30	30	30	30	30
Operating 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)		1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)

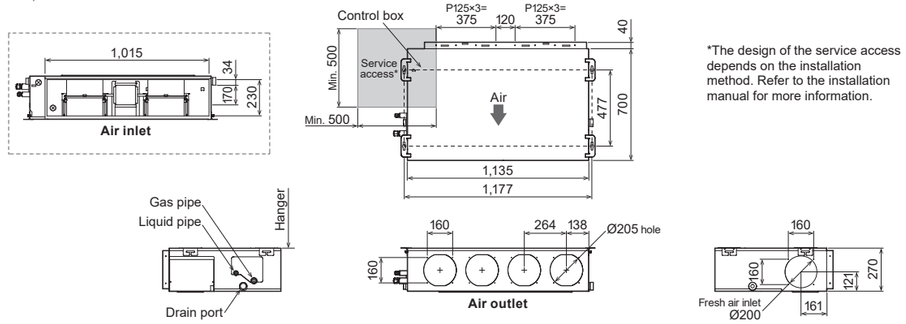
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	WLAN adapter:	UTY-TFSXZ1	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1		FG-RC-WIF1Z2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5		UTY-TFSXJ3	Long-life filter:	UTD-LF25NA
Wired remote controller:	UTY-RLRY		FG-AC-WIF1Z1	Silver Ion Filter:	UTD-HFND
	UTY-RNNYM	Flange (Round):	UTD-RF204	External connect kit:	UTY-XWZXZG
	UTY-RVNYM	Flange (Square):	UTD-SF045T		
Simple remote controller (without operation mode):	UTY-RHRY	IR receiver unit:	UTY-LBTYM	**(Outdoor unit 30/36/45)**	
Simple remote controller:	UTY-RSRY	Remote sensor unit:	UTY-XSZXZ1	External connect kit:	UTY-XWZXZ3
External switch controller:	UTY-TERX	Drain pump unit:	UTZ-PX1NBA		

Dimensions

(Unit: mm)



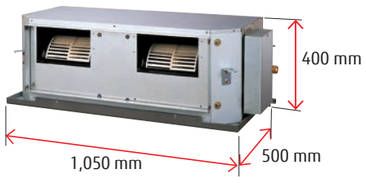
*The design of the service access depends on the installation method. Refer to the installation manual for more information.

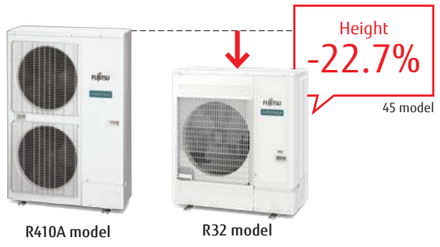
High Static Pressure Duct

Economy · Auto Changeover · Adjust · Restart · Auto OFF · Weekly · +Setback · Filter · On/Off · Blue Fin

Easy installation (Compact & Lightweight)

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

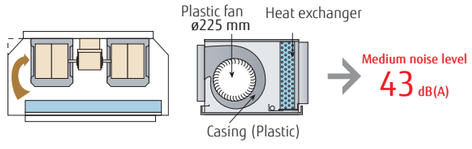




Design also suits high static pressure

Low noise

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



Link up with a variety of central control system (Option)

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

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

Specifications

Model name	Indoor unit				ARXG45KHTB	ARXG54KHTB	ARXG45KHTB	ARXG54KHTB
	Outdoor unit				AOEG45KBTB	AOEG54KBTB	AOEG45KRTA	AOEG54KRTA
Power Source					Single phase, ~230 V, 50 Hz		3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated		kW	12.1	13.4	12.1	13.4
		Min.-Max.			4.0-14.0	5.0-14.5	4.0-14.0	5.0-14.5
	Heating	Rated			13.5	15.5	13.5	15.5
		Min.-Max.			5.0-16.2	5.5-18.0	5.0-16.2	5.5-18.0
Input Power	Cooling/Heating			kW	4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18
EER	Cooling			W/W	2.91	2.81	2.91	2.81
COP	Heating				3.74	3.71	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	28.5/28.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling			kWh/a	-	-	-	-
	Heating				-	-	-	-
Moisture Removal				l/h	1.5	2.0	1.5	2.0
Sound Pressure Level	Indoor (Cooling)		H/M/L	dB(A)	47/43/40	47/43/40	47/43/40	47/43/40
	Indoor (Heating)		H/M/L		47/43/40	47/43/40	47/43/40	47/43/40
	Outdoor (Cooling/Heating)		High		57/57	57/59	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)		High		75/74	75/74	75/74	75/74
	Outdoor (Cooling/Heating)		High		71/71	73/73	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
	Indoor/Outdoor (Heating)		High		3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
Static pressure range (Standard)				Pa	100 to 250 (100)	100 to 250 (100)	100to250 (100)	100to250 (100)
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
	Outdoor			mm	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor			kg	46	46	46	46
	Outdoor			kg	67	67	67	67
Connection Pipe Diameter (Liquid/Gas)				mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)					23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max. Pipe Length (Pre-Charge)				m	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference					30	30	30	30
Operating 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)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)

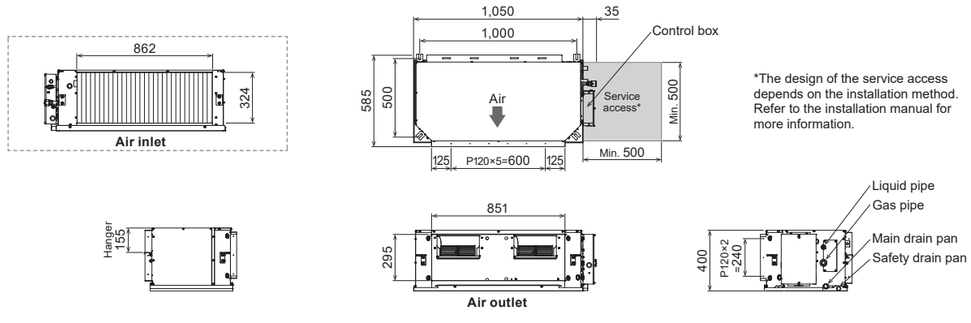
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	Remote sensor unit:	UTY-XSZXZ1	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1	Long-life filter:	UTD-LF60KA	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5	External switch controller:	UTY-TERX	Silver Ion Filter:	UTD-HFKB
Wired remote controller:	UTY-RLRY	WLAN adapter:	UTY-TFSXZ1	External connect kit:	UTY-XWZXZG
Simple remote controller:	UTY-RSRY		UTY-TFSXJ3		
	UTY-RHRY		FG-AC-WIF1Z1	**(Outdoor unit)**	
IR Receiver unit:	UTY-LBTYM	External input and output PCB:	UTY-XCSX+UTZ-GXEA	External connect kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)



High Static Pressure Duct

REFRIGERANT R410A

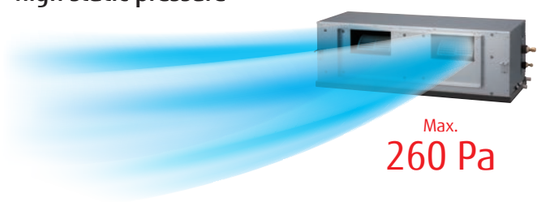
ALL DC

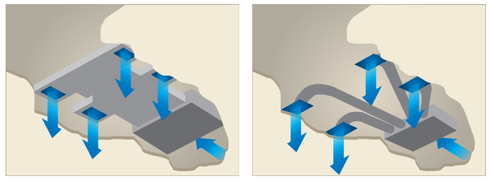
Economy · Auto Changeover · Adjust · Restart · +Setback · Filter · Blue Fin

High energy efficiency

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

Design also corresponding to high static pressure



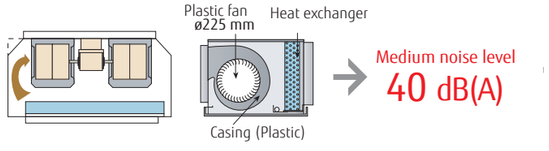


Easy installation (Compact & Lightweight)

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

Low noise

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



Link up with a variety of central control system (Option)

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

Central Control System

REFRIGERANT R410A

Model: ARYG60LHTA [3-phase]

Wired RC

Specifications

Model name	Indoor unit			ARYG60LHTA
	Outdoor unit			AOYG60LATT
Power Source				3-phase, ~400 V, 50 Hz
Capacity	Cooling	Rated	kW	15.0
		Min.-Max.		6.2-17.5
	Heating	Rated		18.0
		Min.-Max.		6.2-20.0
Input Power	Cooling/Heating		kW	4.70/5.15
EER	Cooling		W/W	3.19
COP	Heating			3.50
Max. Operating Current	Cooling/Heating		A	12.5 /12.5
Moisture Removal			l/h	2.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	45/40/36/-
	Indoor (Heating)	H/M/L/Q		45/40/36/-
	Outdoor (Cooling/Heating)	High		56/58
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	3,550/6,900
	Indoor/Outdoor (Heating)	High		3,550/7,300
Static pressure range (Standard)			Pa	60 to 260 (60)
Net Dimensions H x W x D	Indoor		mm	425 × 1,250 × 490
	Outdoor		mm	1,290 × 900 × 330
Weight	Indoor		kg	54
	Outdoor		kg	104
Connection Pipe Diameter (Liquid/Gas)			mm	9.52/15.88
Drain Hose Diameter (I.D./O.D.)				23.4/25.4
Max. Pipe Length (Pre-Charge)			m	75 (30)
Max. Height Difference				30
Operating Range	Cooling		°CDB	-15 to 46
	Heating			-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)
	Charge		kg (CO2eq-T)	3.45 (7.204)

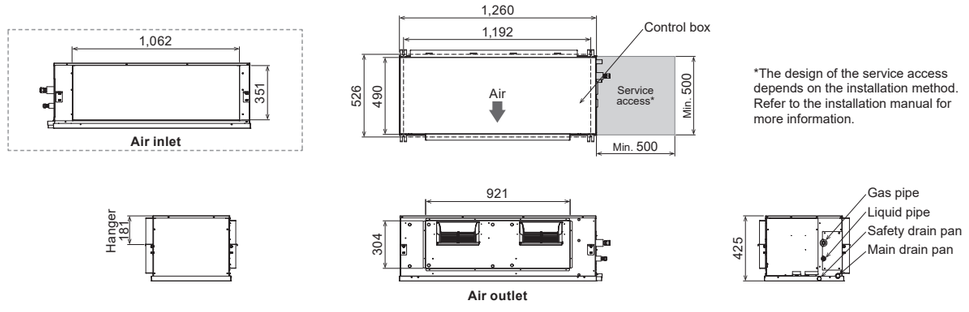
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired remote controller:	UTY-RNNYM	Network Convertor for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RVNYM	Network Convertor for single split (AC power supply type):	UTY-VTGXV
External switch controller:	UTY-TERX	External connect kit:	UTD-ECS5A
WLAN adapter:	UTY-TFNXZ1		
	FG-RC-WIF1Z2	**(Outdoor unit)**	
Remote sensor unit:	UTY-XSZXZ1	External connect kit:	UTY-XWZXZ2
IR receiver unit	UTY-LRHYM		

Dimensions

(Unit: mm)



Big Duct

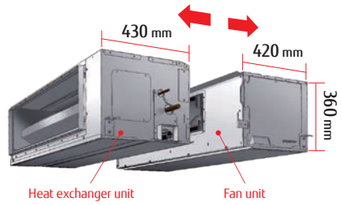
REFRIGERANT R410A

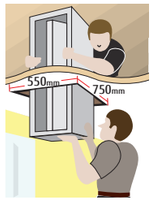
ALL DC

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

Splittable, lightweight, and compact design

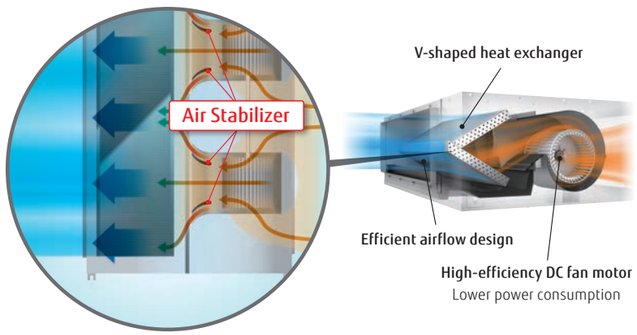
The indoor unit can be split into a fan unit and a heat exchanger unit to make installation easier.





Quiet operation

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



Automatic airflow adjustment function

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

Automatically adjust !

Static pressure

??? Pa

It was necessary to calculate

Link up with a variety of central control system (Option)

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

Central Control System

REFRIGERANT R410A

Model: ARYG72LHTA / ARYG90LHTA

Wired RC

Specifications

Model name	Indoor unit			ARYG72LHTA	ARYG90LHTA
	Outdoor unit			AOYG72LRLA	AOYG90LRLA
Power Source	Indoor			Single phase, ~230 V, 50 Hz	
	Outdoor			3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	kW	19.0	22.0
		Min.-Max.		8.4-20.9	10.3-24.2
	Heating	Rated		22.4	27.0
		Min.-Max.		7.2-24.6	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	-	-
	Outdoor (Cooling/Heating)			-	-
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	69	80
	Outdoor		kg	165	174
Connection Pipe Diameter (Liquid/Gas)			mm	12.7/25.4	12.7/25.4
Drain Hose Diameter (I.D./O.D.)				25/32	25/32
Max. Pipe Length (Pre-Charge)			m	100 (30)	100 (30)
Max. Height Difference				30	30
Operating Range	Cooling		°CDB	-15 to 46	-15 to 46
	Heating			-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)		5.6 (11.693)	7.1 (14.825)

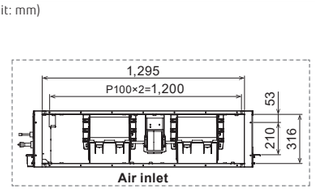
Optional parts

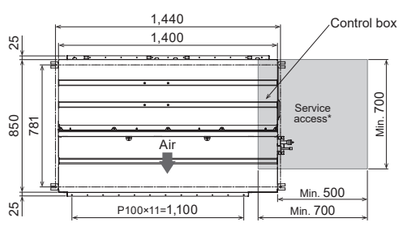
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	WLAN adapter:	UTY-TFSXZ1	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1		FG-RC-WIF1Z2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5		UTY-TFSXJ3	IR receiver unit:	UTY-LBTYM
Wired remote controller:	UTY-RLRY		FG-AC-WIF1Z1		UTY-LRHYM
	UTY-RNNYM	External input and output PCB:	UTY-XCSX	Silver Ion Filter:	UTD-HFKA
	UTY-RVNYM	Remote sensor unit:	UTY-XSZXZ1		
Simple remote controller (without operation mode):	UTY-RHRY	Long-life filter	UTD-LFKA	**(Outdoor unit)**	
Simple remote controller:	UTY-RSRY	External connect kit:	UTY-XWZXZG	External connect kit:	UTY-XWZXZ3
External switch controller:	UTY-TERX	Drain pump unit:	UTZ-PX1NAB		

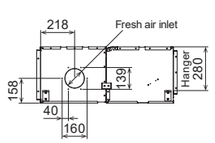
Dimensions

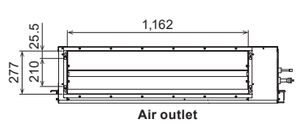
(Unit: mm)

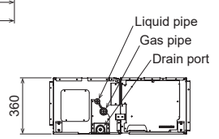




*The design of the service access depends on the installation method. Refer to the installation manual for more information.







Floor
Compact Size

ALL DC

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

High energy saving

The Floor 09 class achieves a top-class SEER of 8.50 and an A+++ seasonal efficiency rank for cooling.
The Floor 09 class achieves an improved SCOP of 4.30 and an A+ seasonal efficiency rank for heating.

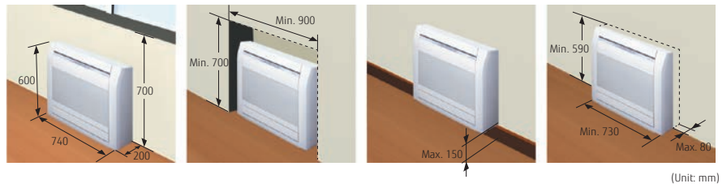
Rank *1
Cooling A+++
Heating A+

SEER 8.50*1 SCOP 4.30*1

*1: 09 model

Flexible & easy installation

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



(Unit: mm)

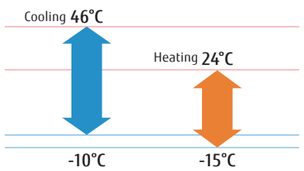
* Concaved position installation with concealment is prohibited.

Low ambient operation

Factory-guaranteed cooling operation down to -10˚C ambient temperature.

-10°C Cooling

-15°C Heating



Smart device control (Option)

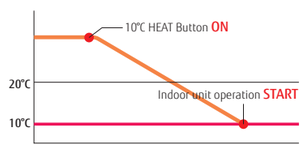
With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* See page C-020 for details on smart device control.

AIRSTAGE Mobile

10°C heat

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.



Model: AGEG09KVCA / AGEG12KVCA / AGEG14KVCA

Wireless RC

For AGEG09/12KVCA

For AGEG14KVCA

Specifications

Model name	Indoor unit			AGEG09KVCA	AGEG12KVCA	AGEG14KVCA
	Outdoor unit			AOEG09KVCA	AOEG12KVCA	AOEG14KVCA
Power Source				Single phase, ~230 V, 50 Hz		
Capacity	Cooling	Rated	kW	2.5	3.5	4.2
		Min.-Max.		0.9-3.5	0.9-4.0	0.9-5.2
	Heating	Rated		3.5	4.5	5.2
		Min.-Max.		0.9-5.1	0.9-5.3	0.9-6.3
Input Power	Cooling/Heating		kW	0.53/0.81	0.88/1.22	1.06/1.41
EER	Cooling		W/W	4.70	4.00	3.95
COP	Heating			4.30	3.70	3.70
Pdesign	Cooling/Heating (-10°C)		kW	2.50/2.60	3.50/3.50	4.20/4.20
SEER	Cooling		W/W	8.50	8.20	8.10
SCOP	Heating (Average)			4.30	4.10	4.00
Energy Efficiency Class	Cooling			A+++	A++	A++
	Heating (Average)			A+	A+	A+
Max. Operating Current	Cooling/Heating		A	7.0/8.5	7.0/8.5	11.0/12.0
Annual Energy Consumption	Cooling		kWh/a	103	149	181
	Heating (Average)			845	1,192	1,466
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		41/35/29/22	41/35/29/22	43/37/29/22
	Outdoor (Cooling/Heating)	High		43/47	45/51	51/50
Sound Power Level	Indoor (Cooling/Heating)	High		53/54	53/54	57/56
	Outdoor (Cooling/Heating)	High		58/61	61/64	63/63
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	570/1,530	570/1,530	650/2,210
	Indoor/Outdoor (Heating)	High		600/1,510	600/1,510	650/2,100
Net Dimensions H x W x D	Indoor		mm	600 × 740 × 200	600 × 740 × 200	600 × 740 × 200
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290
Weight	Indoor		kg	14	14	14
	Outdoor		kg	31	31	38
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
Operating 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)	0.85 (0.574)	0.85 (0.574)	0.94 (0.635)

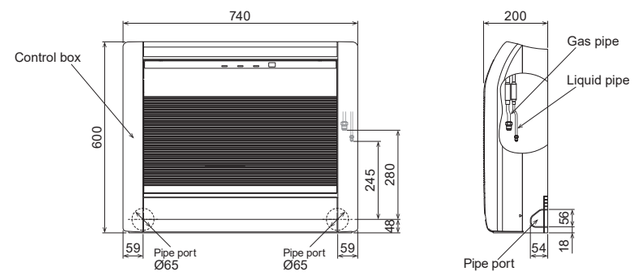
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	External switch controller:	UTY-TERX	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1	WLAN adapter:	UTY-TFSXZ1	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5		FG-AC-WIF1Z1	Silver Ion Filter:	UTR-FA03-5
Wired remote controller:	UTY-RLRY		UTY-TFSXJ3	External connect kit:	UTY-XWZXZ5
Simple remote controller (without operation mode):	UTY-RHRY	Half concealed kit:	UTR-STA		
Simple remote controller:	UTY-RSRY	Communication kit:	UTY-TWRXZ3		

Dimensions

(Unit: mm)



Ceiling

REFRIGERANT R32

reddot winner 2020

ALL DC

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

(30/36/45/54)

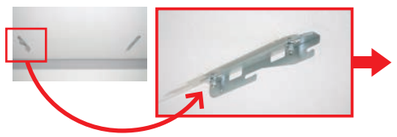
Light elegant design

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

Easy installation

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

1. Set mounting brackets



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

3. Attach with screws

Easy maintenance

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

The drain pan can be removed for cleaning.

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

Flexible installation

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

Link up with a variety of central control system (Option)

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

Central Control System

REFRIGERANT R32

Model: ABEG18KRTA / ABEG22KRTA / ABEG24KRTA / ABEG30KRTA / ABEG36KRTA / ABEG45KRTA
ABEG36KRTA [3-phase] / ABEG45KRTA [3-phase] / ABEG54KRTA [3-phase]

ABEG18/22KRTA

ABEG24/30KRTA

ABEG36/45/54KRTA

For ABEG18/22KRTA

For ABEG24KRTA

For ABEG30/36KRTA

For ABEG45/54KRTA

Specifications

Model name	Indoor unit			ABEG18KRTA	ABEG22KRTA	ABEG24KRTA	ABEG30KRTA	ABEG36KRTA	ABEG45KRTA	ABEG36KRTA	ABEG45KRTA	ABEG54KRTA
	Outdoor unit			AOEG18KBTB	AOEG22KBTB	AOEG24KBTB	AOEG30KBTB	AOEG36KBTB	AOEG45KBTB	AOEG36KRTA	AOEG45KRTA	AOEG54KRTA
Power Source				Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	5.2	6.0	6.8	8.5	9.5	12.1	9.5	12.1	13.4
		Min.-Max.		0.9-5.9	0.9-6.7	0.9-8.0	2.8-10.0	2.8-11.2	4.0-13.5	2.8-11.2	4.0-13.5	4.5-14.5
	Heating	Rated		6.0	7.0	7.5	10.0	10.8	13.5	10.8	13.5	15.5
		Min.-Max.		0.9-7.5	0.9-8.0	0.9-9.1	2.7-11.2	2.7-12.7	4.2-16.2	2.7-12.7	4.2-16.2	4.7-16.5
Input Power	Cooling/Heating		kW	1.55/1.62	1.87/1.95	2.14/1.97	2.65/2.77	2.96/2.88	4.22/3.84	2.96/2.88	4.22/3.84	4.45/4.43
EER	Cooling		W/W	3.35	3.21	3.18	3.21	3.21	2.87	3.21	2.87	3.01
COP	Heating			3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.50
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	-	9.5/8.7	-	-
SEER	Cooling		W/W	6.2	6.1	6.2	6.1	6.37	-	6.37	-	-
SCOP	Heating (Average)			4.1	4.0	4.1	4.0	4.21	-	4.21	-	-
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	-	A++	-	-
	Heating (Average)			A+	A+	A+	A+	A+	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling		kWh/a	293	344	384	486	524	-	524	-	-
	Heating			1,501	1,677	2,042	2,796	2,904	-	2,904	-	-
Moisture Removal			l/h	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	48/44/41/38
	Indoor (Heating)	H/M/L/Q		38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	48/44/41/38
Sound Power Level	Outdoor (Cooling/Heating)	High		50/50	51/51	53/54	53/55	55/55	57/57	55/55	57/57	57/59
	Indoor (Cooling/Heating)	High		53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60	63/63
	Outdoor (Cooling/Heating)	High		62/62	63/63	65/66	68/69	70/70	71/71	70/70	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	840/2,160	900/2,240	1,230/2,700	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450	2,100/4,450
	Indoor/Outdoor (Heating)	High		840/1,830	900/1,960	1,230/2,700	1,400/3,750	1,800/3,750	1,850/4,450	1,800/3,750	1,850/4,450	2,100/4,450
Net Dimensions H x W x D	Indoor		mm	235 × 1,080 × 705	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705
	Outdoor		mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg	24	24	31	31	38	38	38	38	38
	Outdoor		kg	36	38	42	52	52	67	53	67	67
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/12.7	6.35/12.7	6.35/12.7	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.)				25/32	25/32	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)	50 (30)	50 (30)
Max. Height Difference				20	25	25	30	30	30	30	30	30
Operating 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)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

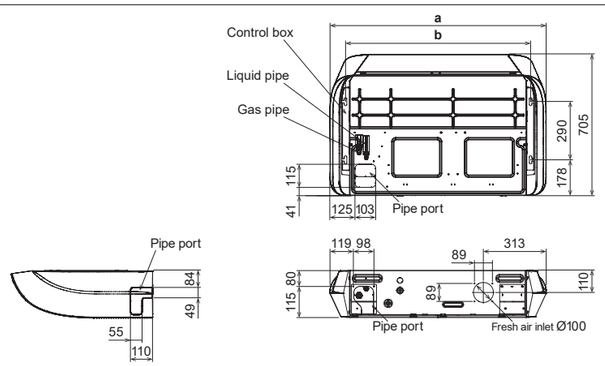
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRY	WLAN adapter:	UTY-TFSXZ1	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1		UTY-TFSXJ3	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5		FG-AC-WIF1Z1	External switch controller:	UTY-TERX
Wired remote controller:	UTY-RLRY	Drain pump unit:	UTR-DPB24T	External connect kit:	UTY-XWZXZG
Simple remote controller (without operation mode):	UTY-RHRY	IR receiver unit:	UTY-LBTYH		
Simple remote controller:	UTY-RSRY	L-type piping kit:	UTP-FX24A (18/22/24)	**(Outdoor unit 30/36/45/54)**	
External input and output PCB:	UTY-XCSX		UTP-FX35A (30/36/45/54)	External connect kit:	UTY-XWZXZ3
External input and output PCB box:	UTZ-GXEA	Communication kit:	UTY-TWRXZ3		

Dimensions

(Unit: mm)



	ABEG 18/22KRTA	ABEG 24/30KRTA	ABEG 36/45/54 KRTA
a	1,080	1,390	1,700
b	923	1,233	1,543

Wall-mounted Specifications

Designer Series
High-Spec & Design (WLAN adapter Internal Models)

Model name	Indoor unit				ASYG07KGTF	ASYG09KGTF	ASYG12KGTF	ASYG14KGTF
	Outdoor unit				AOYG07KGCB	AOYG09KGCB	AOYG12KGCB	AOYG14KGCB
Power Source					Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated		kW	2.0	2.5	3.4	4.2
		Min.-Max.			0.9-3.2	0.9-3.4	0.9-4.1	0.9-4.5
	Heating	Rated			2.5	2.8	4.0	5.4
		Min.-Max.			0.9-5.2	0.9-5.4	0.9-6.1	0.9-6.4
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	8.10	8.90	8.70	7.90
SCOP	Heating (Average)				5.30	5.20	5.20	4.50
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	86	98	137	186
	Heating				606	645	673	1,242
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	10	10	10	10
	Outdoor			kg	30	30	31	32
Connection Pipe Diameter (Liquid/Gas)				mm	6.35/9.52			
Drain Hose Diameter (I.D./O.D.)					13.8/15.0 to 16.8			
Max. Pipe Length (Pre-Charge)				m	20 (15)			
Max. Height Difference					15			
Operating Range	Cooling			°CDB	-10 to 46			
	Heating				-15 to 24			
Refrigerant	Type (Global Warming Potential)				R32 (675)			
	Charge			kg (CO2eq-T)	0.75 (0.506)	0.75 (0.506)	0.85 (0.574)	0.85 (0.574)

Designer Series
High Spec & Design (WLAN adapter Option Models)

Model name	Indoor unit				ASYG07KGTE	ASYG09KGTE	ASYG12KGTE	ASYG14KGTE
	Outdoor unit				AOYG07KGCA	AOYG09KGCA	AOYG12KGCA	AOYG14KGCA
Power Source					Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated		kW	2.0	2.5	3.4	4.2
		Min.-Max.			0.9-3.2	0.9-3.4	0.9-4.1	0.9-4.5
	Heating	Rated			2.5	2.8	4.0	5.4
		Min.-Max.			0.9-5.2	0.9-5.4	0.9-6.1	0.9-6.4
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	9.10	9.20	9.20	8.30
SCOP	Heating (Average)				5.30	5.20	5.20	4.50
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	77	95	129	177
	Heating				607	645	672	1,242
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	10	10	10	10
	Outdoor			kg	30	30	31	32
Connection Pipe Diameter (Liquid/Gas)				mm	6.35/9.52			
Drain Hose Diameter (I.D./O.D.)					13.8/15.0 to 16.8			
Max. Pipe Length (Pre-Charge)				m	20 (15)			
Max. Height Difference					15			
Operating Range	Cooling			°CDB	-10 to 46			
	Heating				-15 to 24			
Refrigerant	Type (Global Warming Potential)				R32 (675)			
	Charge			kg (CO2eq-T)	0.75 (0.506)	0.75 (0.506)	0.85 (0.574)	0.85 (0.574)

Designer Series
Cool Beauty Design

Model name	Indoor unit			ASYG07KETE ASYG07KETE-B	ASYG09KETE ASYG09KETE-B	ASYG12KETE ASYG12KETE-B	ASYG14KETE ASYG14KETE-B
	Outdoor unit			AOYG07KETA	AOYG09KETA	AOYG12KETA	AOYG14KETA
Power Source				Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	kW	2.0	2.5	3.4	4.2
		Min.-Max.		0.9 - 3.0	0.9 - 3.2	0.9 - 3.9	0.9 - 4.4
	Heating	Rated		2.5	2.8	4.0	5.4
		Min.-Max.		0.9 - 3.4	0.9 - 4.0	0.9 - 5.3	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	1,367
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	295 × 950 (wall side: 840) × 230			
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
Weight	Indoor		kg	11	11	11	11.5
	Outdoor		kg	23	23	25	31
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.)				13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15	15
Operating 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)

Standard Series
High-Efficiency & Comfort

Model name	Indoor unit	W-LAN Adapter Internal Models		ASYG07KMCF	ASYG09KMCF	ASYG12KMCF	ASYG14KMCF
		W-LAN Adapter Option Models		ASYG07KMCE	ASYG09KMCE	ASYG12KMCE	ASYG14KMCE
	Outdoor unit			AOYG07KMCC	AOYG09KMCC	AOYG12KMCC	AOYG14KMCC
Power Source				Single phase, ~230 V, 50 Hz			
Capacity	Cooling		Rated	kW	2.0	2.5	3.4	4.2
			Min.-Max.		0.9-3.0	0.9-3.2	0.9-3.9	0.9-4.4
	Heating		Rated		2.5	2.8	4.0	5.4
			Min.-Max.		0.9-3.4	0.9-4.0	0.9-5.3	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	780/1,470	820/1,580
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	10	10	10	10
	Outdoor			kg	22	22	24	31
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.)					13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)				m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference					15	15	15	15
Operating 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)

ECO Series Lineup Specifications

Compact Cassette

Model name	Indoor unit	AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit	AOEG09KATA	AOEG12KATA	AOEG14KATA	AOEG18KATA	AOEG22KATA	AOEG24KATA
Power Source		Single phase, ~230 V, 50 Hz					
Capacity	Cooling Rated	2.5	3.5	4.3	5.2	6.0	6.8
	Cooling Min.-Max.	0.9-2.7	0.9-3.7	0.9-4.5	0.9-5.4	0.9-6.3	0.9-7.4
	Heating Rated	3.2	4.1	5.0	6.0	7.0	7.5
	Heating Min.-Max.	0.9-3.9	0.9-4.4	0.9-5.3	0.9-6.3	0.9-7.4	0.9-8.6
Input Power	Cooling/Heating	0.68/0.88	1.09/1.17	1.37/1.42	1.69/1.72	1.95/2.00	2.26/2.08
EER	Cooling	3.68	3.21	3.14	3.08	3.08	3.01
COP	Heating	3.64	3.50	3.52	3.49	3.50	3.61
Pdesign	Cooling/Heating (-10°C)	2.5/2.3	3.5/2.8	4.3/3.2	5.2/3.8	6.0/4.4	6.8/5.4
SEER	Cooling	6.2	6.1	6.1	6.1	6.1	5.9
SCOP	Heating	4.0	4.0	4.0	3.9	3.9	3.8
Energy Efficiency Class	Cooling	A++	A++	A++	A++	A++	A+
	Heating	A+	A+	A+	A	A	A
Max. Operating Current	Cooling/Heating	6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1	11.6/11.6	12.6/12.6
Annual Energy Consumption	Cooling	141	201	247	298	344	403
	Heating	804	979	1,120	1,362	1,578	1,988
Moisture Removal		0.6	1.2	1.5	2.2	2.6	2.7
Sound Pressure Level	Indoor (Cooling) H/M/L/Q	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
Sound Power Level	Outdoor (Cooling/Heating) High	47/48	49/50	50/51	51/52	52/53	54/55
	Indoor (Cooling/Heating) High	46/47	49/49	50/55	50/55	56/57	59/61
	Outdoor (Cooling/Heating) High	60/60	62/62	63/63	63/64	64/65	66/67
Airflow Rate	Indoor/Outdoor (Cooling) High	540/1,610	600/1,630	680/1,670	680/1,710	830/2,240	930/2,885
	Indoor/Outdoor (Heating) High	540/1,550	600/1,410	800/1,580	800/1,840	860/2,240	930/2,350
Net Dimensions H x W x D	Indoor	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
	Outdoor	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290
Weight	Indoor	15	15	15	15	16	16
	Outdoor	23	25	32	33	36	38
Connection Pipe Diameter (Liquid/Gas)		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70	6.35/12.70
Drain port Diameter (I.D./O.D.)		25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		15 (15)	15 (15)	20 (15)	20 (15)	25 (15)	25 (20)
Max. Height Difference		15	15	15	15	20	20
Operating Range	Cooling	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)	0.9 (0.608)	1.1 (0.743)	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)	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 x 620	49 × 620 × 620	49 × 620 × 620
	Weight	2.3	2.3	2.3	2.3	2.3	2.3

Circular Cassette (Slim type)

Model name	Indoor unit	AUXG18KRLB	AUXG22KRLB	AUXG24KRLB
	Outdoor unit	AOEG18KATA	AOEG22KATA	AOEG24KATA
Power Source		Single phase, ~230 V, 50 Hz		
Capacity	Cooling Rated	5.2	6.0	6.8
	Cooling Min.-Max.	0.9-5.4	0.9-6.3	0.9-7.4
	Heating Rated	6.0	7.0	7.5
	Heating Min.-Max.	0.9-6.3	0.9-7.4	0.9-8.6
Input Power	Cooling/Heating	1.60/1.66	1.85/1.93	2.12/1.97
EER	Cooling	3.25	3.24	3.21
COP	Heating	3.61	3.63	3.81
Pdesign	Cooling/Heating (-10°C)	5.2/3.8	6.0/4.4	6.8/5.4
SEER	Cooling	6.2	6.2	6.1
SCOP	Heating	4.1	4.1	4.0
Energy Efficiency Class	Cooling	A++	A++	A++
	Heating	A+	A+	A+
Max. Operating Current	Cooling/Heating	10.1/10.1	11.6/11.6	12.6/12.6
Annual Energy Consumption	Cooling	293	338	390
	Heating	1,297	1,502	1,887
Moisture Removal		1.5	2.2	2.7
Sound Pressure Level	Indoor (Cooling) H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29
	Indoor (Heating) H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29
Sound Power Level	Outdoor (Cooling/Heating) High	51/52	52/53	54/55
	Indoor (Cooling/Heating) High	47/47	49/49	49/49
	Outdoor (Cooling/Heating) High	63/64	64/65	66/67
Airflow Rate	Indoor/Outdoor (Cooling) High	1,050/1,710	1,050/2,240	1,150/2,885
	Indoor/Outdoor (Heating) High	1,050/1,840	1,050/2,240	1,150/2,350
Net Dimensions H x W x D	Indoor	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840
	Outdoor	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290
Weight	Indoor	23	23	24
	Outdoor	33	36	38
Connection Pipe Diameter (Liquid/Gas)		6.35/12.70	6.35/12.70	6.35/12.70
Drain port Diameter (I.D./O.D.)		25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		20 (15)	25 (15)	25 (20)
Max. Height Difference		15	20	20
Operating Range	Cooling	-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	0.9 (0.608)	1.1 (0.743)	1.25 (0.844)
Cassette Grille	Model name	UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*1: Black		
	Dimensions (H × W × D)	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight	6.0	6.0	6.0

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

Circular Cassette (Large type)

Model name	Indoor unit	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit	AOEG30KATA	AOEG36KATA	AOEG45KATA	AOEG54KATA	AOEG36KQTA	AOEG45KQTA	AOEG54KQTA
Power Source		Single phase, ~230 V, 50 Hz				3-phase, ~400 V, 50 Hz		
Capacity	Cooling Rated	8.5	9.5	12.1	13.4	9.5	12.1	13.4
	Cooling Min.-Max.	2.8-9.6	2.8-10.6	4.0-12.6	4.5-13.8	2.8-10.6	4.0-12.6	4.5-13.8
	Heating Rated	10.0	10.8	13.5	15.5	10.8	13.5	15.5
	Heating Min.-Max.	2.7-10.8	2.7-12.5	4.2-15.0	4.7-16.0	2.7-12.5	4.2-15.0	4.7-16.0
Input Power	Cooling/Heating	2.56/2.64	3.06/2.58	4.32/3.77	4.87/4.86	3.06/2.58	4.32/3.77	4.87/4.86
EER	Cooling	3.32	3.10	2.80	2.75	3.10	2.80	2.75
COP	Heating	3.79	4.19	3.58	3.19	4.19	3.58	3.19
Pdesign	Cooling/Heating (-10°C)	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-
SEER	Cooling	6.1	6.1	-	-	6.1	-	-
SCOP	Heating	4.0	4.0	-	-	4.0	-	-
Energy Efficiency Class	Cooling	A++	A++	-	-	A++	-	-
	Heating	A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating	22.5/22.5	22.5/22.5	28.1/28.1	28.1/28.1	10.5/10.5	13.6/13.6	13.6/13.6
Annual Energy Consumption	Cooling	488	545	-	-	545	-	-
	Heating	2,794	3,044	-	-	3,044	-	-
Moisture Removal		2.5	3.3	4.5	5.0	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling) H/M/L/Q	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating) H/M/L/Q	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
Sound Power Level	Outdoor (Cooling/Heating) High	53/55	55/55	58/59	58/61	55/55	60/60	61/61
	Indoor (Cooling/Heating) High	54/54	58/58	60/60	61/61	58/58	-/-	-/-
	Outdoor (Cooling/Heating) High	68/69	70/70	72/73	74/75	70/70	72/73	74/75
Airflow Rate	Indoor/Outdoor (Cooling) High	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
	Indoor/Outdoor (Heating) High	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,780	1,870/3,750	2,000/4,450	2,100/4,780
Net Dimensions H x W x D	Indoor	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
	Outdoor	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor	26	29	29	29	29	29	29
	Outdoor	52	52	61	63	53	62	63
Connection Pipe Diameter (Liquid/Gas)		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.)		25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
Max. Height Difference		30	30	30	30	30	30	30
Operating Range	Cooling	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)
Cassette Grille	Model name	UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*1: Black						
	Dimensions (H × W × D)	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight	6.0	6.0	6.0	6.0	6.0	6.0	6.0

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

Slim Duct

Model name	Indoor unit	ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit	AOEG09KATA	AOEG12KATA	AOEG14KATA	AOEG18KATA
Power Source		Single phase, ~230 V, 50 Hz			
Capacity	Cooling Rated	2.5	3.5	4.3	5.2
	Cooling Min.-Max.	0.9-2.7	0.9-3.7	0.9-4.5	0.9-5.4
	Heating Rated	3.2	4.1	5.0	6.0
	Heating Min.-Max.	0.9-3.9	0.9-4.4	0.9-5.3	0.9-6.3
Input Power	Cooling/Heating	0.69/0.88	1.09/1.17	1.37/1.42	1.66/1.71
EER	Cooling	3.62	3.21	3.14	3.13
COP	Heating	3.64	3.50	3.52	3.51
Pdesign	Cooling/Heating (-10°C)	2.5/2.3	3.5/2.8	4.3/3.2	5.2/3.8
SEER	Cooling	5.9	5.8	5.6	5.8
SCOP	Heating	3.8	3.8	3.8	3.8
Energy Efficiency Class	Cooling	A+	A+	A+	A+
	Heating	A	A	A	A
Max. Operating Current	Cooling/Heating	6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1
Annual Energy Consumption	Cooling	148	211	269	313
	Heating	847	1,031	1,177	1,398
Moisture Removal		0.7	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling) H/M/L/Q	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
Sound Power Level	Outdoor (Cooling/Heating) High	47/48	49/50	50/51	51/52
	Indoor (Cooling/Heating) High	57/57	58/58	60/60	58/58
	Outdoor (Cooling/Heating) High	60/60	62/62	63/63	63/64
Airflow Rate	Indoor/Outdoor (Cooling) High	600/1,610	650/1,630	800/1,670	940/1,710
	Indoor/Outdoor (Heating) High	600/1,550	650/1,410	800/1,580	940/1,840
Static pressure range (Standard)		0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620
	Outdoor	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor	17	17	17	20
	Outdoor	23	25	32	33
Connection Pipe Diameter (Liquid/Gas)		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Drain port Diameter (I.D./O.D.)		25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		15 (15)	15 (15)	20 (15)	20 (15)
Max. Height Difference		15	15	15	15
Operating Range	Cooling	-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	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)	0.9 (0.608)

Medium Static Pressure Duct (High-Efficiency & Comfort)

Model name	Indoor unit				ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP	ARXH24KMTAP
	Outdoor unit				AOEG12KATA	AOEG14KATA	AOEG18KATA	AOEG22KATA	AOEG24KATA
Power Source					Single phase, ~230 V, 50 Hz				
Capacity	Cooling	Rated		kW	3.5	4.3	5.2	6.0	6.8
		Min.-Max.			0.9-3.7	0.9-4.5	0.9-5.4	0.9-6.3	0.9-7.4
	Heating	Rated			4.1	5.0	6.0	7.0	7.5
		Min.-Max.			0.9-4.4	0.9-5.3	0.9-6.3	0.9-7.4	0.9-8.6
Input Power	Cooling/Heating			kW	1.060 / 1.170	1.340 / 1.420	1.730 / 1.820	1.85 / 1.97	2.06 / 1.97
EER	Cooling			W/W	3.30	3.21	3.00	3.24	3.30
COP	Heating				3.50	3.52	3.30	3.55	3.81
Pdesign	Cooling/Heating (-10°C)			kW	3.5 / 2.8	4.3 / 3.2	5.2 / 3.8	6.0 / 4.4	6.8 / 5.4
SEER	Cooling			W/W	6.00	5.80	5.90	6.00	6.00
SCOP	Heating (Average)				3.90	3.90	3.90	3.90	3.90
Energy Efficiency Class	Cooling				A+	A+	A+	A+	A+
	Heating (Average)				A	A	A	A	A
Max. Operating Current	Cooling/Heating			A	7.7 / 7.7	9.2 / 9.2	10.1 / 10.1	11.6 / 11.6	12.6 / 12.6
Annual Energy Consumption	Cooling			kWh/a	212	267	316	358	405
	Heating				1,005	1,148	1,363	1,578	1,936
Moisture Removal				l/h	1.3	1.3	2.0	1.5	2.2
Sound Pressure Level	Indoor (Cooling)		H/M/L/Q	dB(A)	29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32 / 28 / 25 / 24	34 / 30 / 28 / 26
	Indoor (Heating)		H/M/L/Q		29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32 / 28 / 25 / 24	34 / 30 / 28 / 26
	Outdoor (Cooling/Heating)		High		49 / 50	50 / 51	51 / 52	52 / 53	54 / 55
Sound Power Level	Indoor (Cooling/Heating)		High		58 / 58	59 / 59	60 / 60	58 / 58	60 / 60
	Outdoor (Cooling/Heating)		High		62 / 62	63 / 63	63 / 64	64 / 65	66 / 67
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	650 / 1,630	800 / 1,670	840 / 1,710	1,150 / 2,240	1,230 / 2,885
	Indoor/Outdoor (Heating)		High		650 / 1,410	800 / 1,580	840 / 1,840	1,150 / 2,240	1,230 / 2,350
Static pressure range (Standard)				Pa	30 to 150 (40)	30 to 150 (40)	30 to 150 (40)	30 to 150 (40)	30 to 150 (50)
Net Dimensions H x W x D	Indoor			mm	240 × 700 × 700	240 × 700 × 700	240 × 700 × 700	240 × 1,000 × 700	240 × 1,000 × 700
	Outdoor			mm	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290
Weight	Indoor			kg	24	24	24	31	31
	Outdoor			kg	25	32	33	36	38
Connection Pipe Diameter (Liquid/Gas)				mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	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
Max. Pipe Length (Pre-Charge)				m	15 (15)	20 (15)	20 (15)	25 (15)	25 (20)
Max. Height Difference					15	15	15	20	20
Operating Range	Cooling			°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating				-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge			kg (CO2eq-T)	0.70 (0.473)	0.85 (0.574)	0.90 (0.608)	1.10 (0.743)	1.25 (0.844)

Medium Static Pressure Duct (High-Efficiency & Comfort)

Model name	Indoor unit				ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH36KMTAP	ARXH45KMTAP
	Outdoor unit				AOEG30KATA	AOEG36KATA	AOEG45KATA	AOEG36KQTA	AOEG45KQTA
Power Source					Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated		kW	8.5	9.5	12.1	9.5	12.1
		Min.-Max.			2.8-9.6	2.8-10.6	4.0-12.6	2.8-10.6	4.0-12.6
	Heating	Rated			10.0	10.8	13.5	10.8	13.5
		Min.-Max.			2.7-10.8	2.7-12.5	4.2-15.0	2.7-12.5	4.2-15.0
Input Power	Cooling/Heating			kW	2.69 / 2.63	3.13 / 2.88	4.84 / 4.18	3.13 / 2.88	4.84 / 4.18
EER	Cooling			W/W	3.16	3.04	2.50	3.04	2.50
COP	Heating				3.80	3.75	3.23	3.75	3.23
Pdesign	Cooling/Heating (-10°C)			kW	8.5 / 8.0	9.5 / 8.7	-	9.5 / 8.7	-
SEER	Cooling			W/W	5.80	5.60	-	5.60	-
SCOP	Heating (Average)				3.90	3.90	-	3.90	-
Energy Efficiency Class	Cooling				A+	A+	-	A+	-
	Heating (Average)				A	A	-	A	-
Max. Operating Current	Cooling/Heating			A	22.5 / 22.5	22.5 / 22.5	28.1 / 28.1	10.5 / 10.5	13.6 / 13.6
Annual Energy Consumption	Cooling			kWh/a	520	601	-	601	-
	Heating				2,867	3,118	-	3,118	-
Moisture Removal				l/h	1.8	2.0	4.0	2.0	4.0
Sound Pressure Level	Indoor (Cooling)		H/M/L/Q	dB(A)	38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29
	Indoor (Heating)		H/M/L/Q		38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29
	Outdoor (Cooling/Heating)		High		53 / 55	55 / 55	58 / 59	55 / 55	58 / 59
Sound Power Level	Indoor (Cooling/Heating)		High		64 / 64	65 / 65	67 / 67	65 / 65	67 / 67
	Outdoor (Cooling/Heating)		High		68 / 69	70 / 70	72 / 73	70 / 70	72 / 73
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450
	Indoor/Outdoor (Heating)		High		1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450
Static pressure range (Standard)				Pa	30 to 150 (50)	30 to 150 (50)	30 to 150 (60)	30 to 150 (50)	30 to 150 (60)
Net Dimensions H x W x D	Indoor			mm	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700
	Outdoor			mm	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor			kg	42	42	42	42	42
	Outdoor			kg	52	52	61	53	62
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.)					25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)				m	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
Max. Height Difference					30	30	30	30	30
Operating Range	Cooling			°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating				-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge			kg (CO2eq-T)	1.90 (1.283)	1.90 (1.283)	2.40 (1.620)	1.90 (1.283)	2.40 (1.620)

Medium Static Pressure Duct (Standard)

Model name	Indoor unit				ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit				AOEG22KATA	AOEG24KATA	AOEG30KATA	AOEG36KATA	AOEG45KATA	AOEG36KQTA	AOEG45KQTA
Power Source					Single phase, ~230 V, 50 Hz					3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated		kW	6.0	6.8	8.5	9.5	12.1	9.5	12.1
		Min.-Max.			0.9-6.3	0.9-7.4	2.8-9.6	2.8-10.6	4.0-12.6	2.8-10.6	4.0-12.6
	Heating	Rated			7.0	7.5	10.0	10.8	13.5	10.8	13.5
		Min.-Max.			0.9-7.4	0.9-8.6	2.7-10.8	2.7-12.5	4.2-15.0	2.7-12.5	4.2-15.0
Input Power	Cooling/Heating			kW	1.92/2.00	2.19/2.00	2.78/2.77	3.13/3.03	4.84/4.18	3.13/3.03	4.84/4.18
EER	Cooling			W/W	3.13	3.11	3.06	3.04	2.50	3.04	2.50
COP	Heating				3.50	3.75	3.61	3.56	3.23	3.56	3.23
Pdesign	Cooling/Heating (-10°C)			kW	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	-	9.5/8.7	-
SEER	Cooling			W/W	5.8	5.9	5.8	5.6	-	5.6	-
SCOP	Heating				3.8	3.9	3.9	3.9	-	3.9	-
Energy Efficiency Class	Cooling				A+	A+	A+	A+	-	A+	-
	Heating				A	A	A	A	-	A	-
Max. Operating Current	Cooling/Heating			A	11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	10.5/10.5	13.6/13.6
Annual Energy Consumption	Cooling			kWh/a	362	403	513	594	-	594	-
	Heating				1,620	1,935	2,871	3,122	-	3,122	-
Moisture Removal				l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)		H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)		H/M/L/Q		31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28
	Outdoor (Cooling/Heating)		High		52/53	54/55	53/55	55/55	58/59	55/55	58/59
Sound Power Level	Indoor (Cooling/Heating)		High		60/62	60/62	65/69	65/70	68/70	65/70	68/70
	Outdoor (Cooling/Heating)		High		64/65	66/67	68/69	70/70	72/73	70/70	72/73
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	1,100/2,240	1,100/2,885	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750	2,100/4,450
	Indoor/Outdoor (Heating)		High		1,100/2,240	1,100/2,350	2,100/3,750	2,100/3,750	2,100/4,450	2,100/3,750	2,100/4,450
Static pressure range (Standard)				Pa	30 - 150 (35)	30 - 150 (35)	30 - 150 (47)	30 - 150 (47)	30 - 150 (60)	30 - 150 (47)	30 - 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	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
	Outdoor			mm	632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor			kg	35	35	38	38	39	38	39
	Outdoor			kg	36	38	52	52	61	53	62
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	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)					25/32	25/32	25/32	25/32	25/32	35.7/38.1	35.7/38.1
Max. Pipe Length (Pre-Charge)				m	25 (15)	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
Max. Height Difference					20	20	30	30	30	30	30
Operating Range	Cooling			°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating				-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge			kg (CO2eq-T)	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	1.9 (1.283)	2.4 (1.620)

Ceiling

Model name	Indoor unit				ABEG18KRTA	ABEG22KRTA	ABEG24KRTA	ABEG30KRTA	ABEG36KRTA	ABEG45KRTA	ABEG36KRTA	ABEG45KRTA
	Outdoor unit				AOEG18KATA	AOEG22KATA	AOEG24KATA	AOEG30KATA	AOEG36KATA	AOEG45KATA	AOEG36KQTA	AOEG45KQTA
Power Source					Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated		kW	5.2	6.0	6.8	8.5	9.5	12.1	9.5	12.1
		Min.-Max.			0.9-5.4	0.9-6.3	0.9-7.4	2.8-9.6	2.8-10.6	4.0-12.6	2.8-10.6	4.0-12.6
	Heating	Rated			6.0	7.0	7.5	10.0	10.8	13.5	10.8	13.5
		Min.-Max.			0.9-6.3	0.9-7.4	0.9-8.6	2.7-10.8	2.7-12.5	4.2-15.0	2.7-12.5	4.2-15.0
Input Power	Cooling/Heating			kW	1.66/1.71	1.95/2.09	2.19/2.00	2.78/2.86	3.13/3.03	4.84/4.18	3.13/3.03	4.84/4.18
EER	Cooling			W/W	3.13	3.08	3.11	3.06	3.04	2.50	3.04	2.50
COP	Heating				3.51	3.35	3.75	3.5	3.56	3.23	3.56	3.23
Pdesign	Cooling/Heating (-10°C)			kW	5.2/3.8	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	-	9.5/8.7	-
SEER	Cooling			W/W	5.8	5.6	6.0	5.8	5.6	-	5.6	-
SCOP	Heating				3.8	3.8	3.9	3.9	3.9	-	3.9	-
Energy Efficiency Class	Cooling				A+	A+	A+	A+	A+	-	A+	-
	Heating				A	A	A	A	A	-	A	-
Max. Operating Current	Cooling/Heating			A	10.1/10.1	11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	10.5/10.5	13.6/13.6
Annual Energy Consumption	Cooling			kWh/a	538	375	679	512	594	-	594	-
	Heating				1,398	1,618	1,935	2,871	3,117	-	3,117	-
Moisture Removal				l/h	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5
Sound Pressure Level	Indoor (Cooling)		H/M/L/Q	dB(A)	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
	Indoor (Heating)		H/M/L/Q		38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
	Outdoor (Cooling/Heating)		High		51/52	52/53	54/55	53/55	55/55	58/59	55/55	58/59
Sound Power Level	Indoor (Cooling/Heating)		High		53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60
	Outdoor (Cooling/Heating)		High		63/64	64/65	66/67	68/69	70/70	72/73	70/70	72/73
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	840/1,710	900/2,240	1,230/2,885	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450
	Indoor/Outdoor (Heating)		High		840/1,840	900/2,240	1,230/2,350	1,400/3,750	1,800/3,750	1,850/4,450	1,800/3,750	1,850/4,450
Net Dimensions H x W x D	Indoor			mm	235 × 1,080 × 705	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705
	Outdoor			mm	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	988 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor			kg	24	24	31	31	38	38	38	38
	Outdoor			kg	33	36	38	52	52	61	53	62
Connection Pipe Diameter (Liquid/Gas)				mm	6.35/12.7	6.35/12.7	6.35/12.7	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.)					25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)				m	20 (15)	25 (15)	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
Max. Height Difference					15	20	20	30	30	30	30	30
Operating Range	Cooling			°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating				-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge			kg (CO2eq-T)	0.9 (0.608)	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.40 (1.620)	1.90 (1.283)	2.40 (1.620)

Feature Summary

Type		Wall-mounted type					Wall-mounted type			
Series		Designer Range		Standard Range	Standard Range		ECO Range			
Model name		ASEH07/09/12/14KGTG, ASYG07/09/12/14KGTF, ASYG07/09/12/14KGTE	ASEG07/09/12/14KETF ASEG07/09/12/14KETF-B, ASYG07/09/12/14KETE ASYG07/09/12/14KETE-B	ASEH07/09/12/14KMCG, ASYG07/09/12/14KMCF, ASYG07/09/12/14KMCE	ASEG18/24KMTE	ASEH30/36KMTB	ASEH07/09/12KNCA	ASEG07/09/12KPCE	ASEG18/24KLCA	ASEH07/09/12KLTA
Energy-Saving Features	Save Human sensor	●				●				
	Human sensor control									
	Economy operation	●	●	●	●	●	●	●	●	●
	Setting temperature range limitation	○	○	○	○	○				
	Set temperature auto return	○	○	○	○	○				
Features for Comfort	Power diffuser									
	Powerful operation	●	●	●	●	●	●	●	●	●
	10°C Heat	●	●	●	●	●	●			
	Outdoor unit low noise operation	●	●	●	●	●				
	Auto changeover	●	●	●	●	●	●	●	●	●
	UP/DOWN swing louver	●	●	●			●	●	●	●
	Double swing automatic				●	●				
	Automatic fan speed	●	●	●	●	●	●	●	●	●
	Auto restart	●	●	●	●	●	●	●	●	●
	Connectable fresh air duct									
	Fresh air intake									
	Connectable distributing duct									
	Individual airflow direction control									
Convenience Features	Auto-off timer	○	○	○	○	○				
	Sleep timer	●	●	●	●	●	●	●	●	●
	Program timer	●	●	●	●	●	●	●	●	●
	Weekly timer	●	●	○	●	●	● *3			
	Weekly & Temperature setback timer	○	○	○	○	○				
	Filter sign	●	●	●	●	●	●	●	●	●
	External error output	○	○	○	○	○				
	External ON/OFF input	○	○	○	○	○				
	Wireless LAN control	● (KGTF, KGTG) ○ (KGTE)	● (KETF, KETF-B) ○ (KETE, KETE-B)	● (KMCF, KMCG) ○ (KMCE)	○	○	●	○		○
	Multi system control					○				
	Special cooling					● *2				
Clean Features	Ion deodorization filter	●	●	●	●	●				
	Apple-catechin filter	●	●	●	●	●				
	Long-life filter									
	Washable panel	●	●	●	●	●	●	●	●	●
	Silver Ion Filter	○	○	○	○	○	○	○	○	○
Installation / Support	Automatic airflow adjustment									
	Drain pump as standard									
	Blue fin					●	●			●
	Refrigerant cycle monitor	○ (KGTG)		○ (KMCG)		○	○			○

*1 For details of Multi System Control function, refer to C-013. *2 Wired remote controller (UTY-RNRYZ5) is required to use Special Cooling function.

*3: It is only available on the AIRSTAGE Mobile application and wired remote controller. It can not be used via wireless remote controller.

○: Optional function

Feature Summary

Type	Cassette		Duct			Duct				Floor	Ceiling
Series	Compact 4-way Flow Series	Circular Flow Series	Slim (With drain pump)	Medium Static Pressure (High-Efficiency & Comfort)	Medium Static Pressure (Compact size)	Medium Static Pressure (Standard)	High Static Pressure		Big		
Model name	AUXG 09/12/14/18/22/24 KVLA	AUXG 18/22/24/30/36/45/54 KRLB	ARXG 09/12/14/18 KLLAP	ARXH 12/14/18/22/24/ 30/36/45/54 KMTAP	ARXG 12/14/18/22/ 24/30/36/45/54 KHTAP	ARXG22KMLB ARXG24/30/36/45KMLA	ARXG45/54KHTB	ARYG60LHTA	ARYG72/90LHTA	AGEG09/12/14KVCA	ABEG 18/22/24/30/36/45/54 KRTA
	R32	R32	R32	R32	R32	R32	R32	R410A	R410A	R32	R32
Energy-Saving Features: Save Human sensor											
Energy-Saving Features: Human sensor control		○									
Energy-Saving Features: Economy operation	●	●	●	○	●	●	●	●	●	●	●
Energy-Saving Features: Setting temperature range limitation	○	●	○	○	●	○	○	○	●	○	●
Energy-Saving Features: Set temperature auto return	●	●	●	○	●	●	○	○	●	○	●
Features for Comfort: Power diffuser											
Features for Comfort: Powerful operation										●	
Features for Comfort: 10°C Heat	●	○	○	○	○	○	○	○	○	●	○
Features for Comfort: Outdoor unit low noise operation		○ (45/54)			○ (45/54)	○ (45) (36LMLA)		○	○	●	○
Features for Comfort: Auto changeover	●	●	●	●	●	●	●	●	●	●	●
Features for Comfort: UP/DOWN swing louver	●	●	○							●	●
Features for Comfort: Double swing automatic											
Features for Comfort: Automatic fan speed	●	●	●	●	●	●	●	●	●	●	●
Features for Comfort: Auto restart	●	●	●	●	●	●	●	●	●	●	●
Features for Comfort: Connectable fresh air duct		●		●	●	●					●
Features for Comfort: Fresh air intake	○	○	○	○	○	○	○	○	○		○
Features for Comfort: Connectable distributing duct		●				●					
Features for Comfort: Individual airflow direction control		●									
Convenience Features: Auto-off timer	●	●	●	●	●	●	●	○	●	○	●
Convenience Features: Sleep timer	●	○	○	○	○	○	○	○	○	●	○
Convenience Features: Program timer	●	○	○	●	○	○	○	○	○	●	○
Convenience Features: Weekly timer	●	●	●	○	●	●	●		●	●	●
Convenience Features: Weekly & Temperature setback timer	○		●			●	●	●			
Convenience Features: Filter sign	●	●	●	●	●	●	●	●	●	●	●
Convenience Features: External error output		○		●	○		○		○	○	○
Convenience Features: External ON/OFF input	●	●	●	●	●	●	●	○	●	○	●
Convenience Features: Wireless LAN control	○	○	○	○	○	○	○	○	○	○	○
Convenience Features: Multi system control											
Convenience Features: Special cooling											
Clean Features: Ion deodorization filter										●	
Clean Features: Apple-catechin filter										●	
Clean Features: Long-life filter				○	○	○	○	○	○		
Clean Features: Washable panel											
Clean Features: Silver Ion Filter	○	○	○	○	○	○	○		○	○	
Installation/Support: Automatic airflow adjustment				●	●				●		
Installation/Support: Drain pump as standard	●	●	●	●	●	○			○		○
Installation/Support: Blue fin		● (30/36/45/54)		● (30/36/45/54)	● (30/36/45/54)	● (30/36/45)	●	●	●		● (30/36/45/54)
Installation/Support: Refrigerant cycle monitor				○							

*1 For details of Multi System Control function, refer to C-013. *2 Wired remote controller (UTY-RNRYZ5) is required to use Special Cooling function.

*3: It is only available on the AIRSTAGE Mobile application and wired remote controller. It can not be used via wireless remote controller.

○: Optional function

Light Commercial & Residential

MULTI-SPLIT

M-002 Multi-split Overview
M-004 Multi-split Outdoor Units Lineup
M-006 2-unit to 5-unit Multi-split Connectable Indoor Units
M-008 6-unit Multi-split Connectable Indoor Units
M-010 Simultaneous Multi-split Connectable Indoor Units
M-044 Feature Summary

Refrigerant type R32 models

M-012 2-unit to 5-unit Multi-split
M-018 Simultaneous Multi-split Twin/Triple
M-022 2-unit to 5-unit Multi-split Indoor Units Specifications
M-028 2-unit to 5-unit Multi-split Combination Table

Refrigerant type R410A models

M-016 6-unit Multi-split
M-020 Simultaneous Multi-split Twin/Triple/Double Twin
M-026 6-unit Multi-split Indoor Units Specifications
M-038 6-unit Multi-split Combination Table

A single outdoor unit drives multiple indoor units, offering greater flexibility in system configuration.

If you wish to keep an entire floor or two or more rooms comfortable, we recommend you choose a multi-split air conditioning system with a single outdoor unit. Choose one that meets your air conditioning requirements from the variety of models we offer. You can mix and match indoor and outdoor units as you wish to build the system that best suits your needs.

Multi-split Overview

Multi-split's space-saving outdoor unit allows for connections of up to eight indoor units for multiple rooms. Added to the lineup are models compatible with the new R32 refrigerant, offering environmentally friendly comfort in homes, offices, stores, and various other settings.

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

3-unit 18/24 class

4-unit 30 class
5-unit 36 class

2-unit to 6-unit Multi-split

Recommended for residences, offices, and other situations where multiple rooms require air conditioning. Each of the 2 to 6 connected indoor units can also be operated individually. Operation control, time scheduling for each room, and energy-saving options can be set on both individual and central remote controllers. The outdoor unit is designed to save space and is flexible enough to be installed on a balcony or underneath a waist-high window.

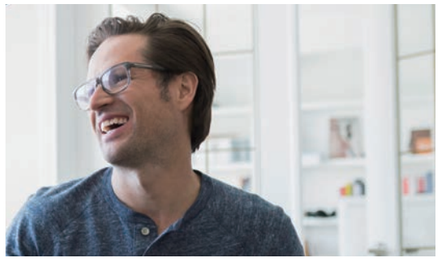
Twin / Triple

Twin 36 class
(Single-phase/3-phase)

Twin/Triple 45/54 class
(Single-phase/3-phase)

Simultaneous Multi-split Type

Suitable for a small building, the entrance hall of a small office, meeting rooms, educational facilities, and other roomy areas where multiple indoor units need to be operated simultaneously. Up to 4 indoor units can be operated simultaneously, making the system perfect for air conditioning not only offices with large spaces, but also spaces with atypical layouts.



2-unit Multi-split

14 class

18 class

6-unit Multi-split

6-unit 45 class

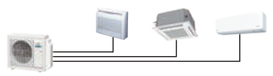
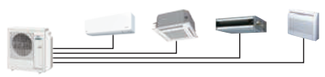
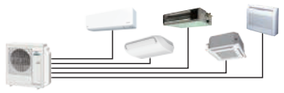
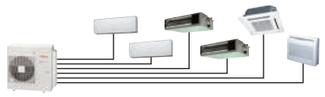
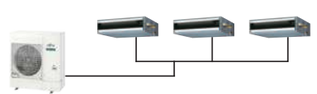
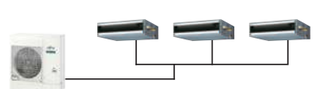
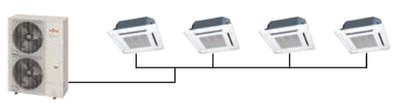
Twin / Triple / Double Twin

72/90 class
(3-phase)

Multi-split Outdoor Units Lineup

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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

			Class	14	18	18	24	30	36	45		54	72	90
			Cooling rated capacity (kW)	4.0	5.0	5.4	6.8	8.0	10.0	12.5	14.0	14.0	19.0	22.0
2-unit, 3-unit, 4-unit, 5-unit Multi-split	2-unit Multi-split Up to 2 units	R32		AOEG14KBCA2	AOEG18KBCA2									
	3-unit Multi-split Up to 3 units	R32				AOEG18KBCA3	AOEG24KBCA3							
	4-unit Multi-split Up to 4 units	R32						AOEG30KBTA4						
	5-unit Multi-split Up to 5 units	R32							AOEG36KBTA5*1					
6-unit Multi-split	6-unit Multi-split Up to 6 units	R410A								AOYG45LBLA6*				
Simultaneous Multi-split	**Twin** Single-phase	R32							AOEG36KBTB	AOEG45KBTB				
	Twin 3-phase	R32							AOEG36KRTA	AOEG45KRTA				
	Twin/Triple Single-phase	R32										AOEG54KBTB		
	Twin/Triple 3-phase	R32										AOEG54KRTA		
	Twin/Triple/ Double Twin 3-phase	R410A											AOYG72LRLA	AOYG90LRLA

Notes: **1. 2-unit Multi-split:** Connectable indoor units are 2 units.
AOEG14KBCA2: Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.
AOEG18KBCA2: Total capacity of indoor units connected must be between 4.0 kW and 7.5 kW.
2. 3-unit Multi-split: Connectable indoor units are 2 to 3 units.
AOEG18KBCA3: Total capacity of indoor units connected must be between 4.0 kW and 8.5 kW.
AOEG24KBCA3: Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.

3. 4-unit Multi-split: Connectable indoor units are 2 to 4 units.
AOEG30KBTA4: Total capacity of indoor units connected must be between 7.5 kW and 14.0 kW.
4. 5-unit Multi-split: Connectable indoor units are 2 to 5 units
AOEG36KBTA5: Total capacity of indoor units connected must be between 7.5 kW and 15.5 kW.

5. 6-unit Multi-split: 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.

Cooling rated capacity: *1: 9.5 kW

2-unit to 5-unit Multi-split Connectable Indoor Units

Type		2-unit		3-unit		4-unit	5-unit
Model name		AOEG14KBCA2	AOEG18KBCA2	AOEG18KBCA3	AOEG24KBCA3	AOEG30KBTA4	AOEG36KBTA5
Multi-split Type Outdoor Unit							
Capacity (kW)	Cooling	4.0	5.0	5.4	6.8	8.0	9.5
	Heating	4.4	5.6	6.8	8.0	9.6	10.6

Indoor Unit	BTU	kW Class						
NEW ASEH07/09/12/14KGTG ASYG07/09/12/14KGTE ASEG07/09/12/14KETF ASYG07/09/12/14KETE	7,000	2.0	●	●	●	●	●	●
	9,000	2.5	●	●	●	●	●	●
NEW ASEH07/09/12/14KMCG ASYG07/09/12/14KMCE ASEG07/09/12/14KETF-B ASYG07/09/12/14KETE-B	12,000	3.5	●	●	●	●	●	●
	14,000	4.0	–	●	●	●	●	●
NEW ASEH05/07/09/12KNCA	5,000	1.5	●*	●*	●*	●*	●*	●*
	7,000	2.0	●	●	●	●	●	●
	9,000	2.5	●	●	●	●	●	●
	12,000	3.5	●	●	●	●	●	●
ASEG18/22/24KMTE	18,000	5.0	–	–	–	●	●	●
	22,000	6.0	–	–	–	–	●	●
	24,000	7.0	–	–	–	–	●	●
AGEG09/12/14KVCA	9,000	2.5	●	●	●	●	●	●
	12,000	3.5	●	●	●	●	●	●
	14,000	4.0	–	●	●	●	●	●
AUXG07/09/12/14/18/22KVLA	7,000	2.0	●	●	●	●	●	●
	9,000	2.5	●	●	●	●	●	●
	12,000	3.5	●	●	●	●	●	●
	14,000	4.0	–	●	●	●	●	●
	18,000	5.0	–	–	–	●	●	●
	22,000	6.0	–	–	–	–	●	●

*Please consult your dealer for compatible outdoor units with 5kW models.

Type		2-unit		3-unit		4-unit	5-unit
Model name		AOEG14KBCA2	AOEG18KBCA2	AOEG18KBCA3	AOEG24KBCA3	AOEG30KBTA4	AOEG36KBTA5
Multi-split Type Outdoor Unit							
Capacity (kW)	Cooling	4.0	5.0	5.4	6.8	8.0	9.5
	Heating	4.4	5.6	6.8	8.0	9.6	10.6

Indoor Unit	BTU	kW Class						
ARXG07/09/12/14/18KSLAP	7,000	2.0	●	●	●	●	●	●
	9,000	2.5	●	●	●	●	●	●
	12,000	3.5	●	●	●	●	●	●
	14,000	4.0	–	●	●	●	●	●
	18,000	5.0	–	–	–	●	●	●
ARXG07/09/12/14/18KLLAP	7,000	2.0	●	●	●	●	●	●
	9,000	2.5	●	●	●	●	●	●
	12,000	3.5	●	●	●	●	●	●
	14,000	4.0	–	●	●	●	●	●
	18,000	5.0	–	–	–	●	●	●
NEW ARXH12/14/18/22KMTAP	12,000	3.5	●	●	●	●	●	●
	14,000	4.0	–	●	●	●	●	●
	18,000	5.0	–	–	–	●	●	●
	22,000	6.0	–	–	–	–	●	●
ARXG22KMLB	22,000	6.0	–	–	–	–	●	●
ABEG18/22KRTA	18,000	5.0	–	–	–	●	●	●
	22,000	6.0	–	–	–	–	●	●

6-unit Multi-split Connectable Indoor Units

REFRIGERANT R410A

Type		6-unit
Model name		AOYG45LBLA6
Multi-split Type Outdoor Unit		
Capacity (kW)	Cooling	12.5
	Heating	13.5

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	●
ABYG14LVTA ABYG18LVTB	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-split Connectable Indoor Units

REFRIGERANT R32

Type		4HP		5HP		6HP	
Model name		AOEG36KBTB	AOEG36KRTA	AOEG45KBTB	AOEG45KRTA	AOEG54KBTB	AOEG54KRTA
Simultaneous Multi-split Type 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
ARXG22KMLB ARXG24KMLA	22,000	6.5	–	● × 2	–	–
	24,000	7.0	–	–	● × 2	–
Separation tube			UTP-SX236A (18/22/24)			UTP-SX354A (18)

Note : Please be aware that 2-wired group control is not possible with Simultaneous Multi-split.

REFRIGERANT R410A

Type		8HP	10HP
Model name		AOYG72LRLA	AOYG90LRLA
Simultaneous Multi-split Outdoor Unit			
Capacity (kW)	Cooling	19.0	22.0
	Heating	22.4	27.0

Indoor Unit	BTU	kW Class	Twin	Triple	Double Twin	Twin	Triple	Double Twin
AUYG18/22/24LV	18,000	5.0	–	–	● × 4	–	–	–
	22,000	6.5	–	–	–	–	–	● × 4
	24,000	7.0	–	● × 3	–	–	–	–
AUYG30/36/45LR	30,000	8.8	–	–	–	–	● × 3	–
	36,000	10.6	● × 2	–	–	–	–	–
	45,000	12.5	–	–	–	● × 2	–	–
ARYG18LLTB	18,000	5.0	–	–	● × 4	–	–	–
ARYG22/24/ 30/36/45LM	22,000	6.5	–	–	–	–	–	● × 4
	24,000	7.0	–	● × 3	–	–	–	–
	30,000	8.8	–	–	–	–	● × 3	–
	36,000	10.6	● × 2	–	–	–	–	–
	45,000	12.5	–	–	–	● × 2	–	–
ABYG/18/22/24LV	18,000	5.0	–	–	● × 4	–	–	–
	22,000	6.5	–	–	–	–	–	● × 4
	24,000	7.0	–	● × 3	–	–	–	–
ABYG30/36/45LR	30,000	8.8	–	–	–	–	● × 3	–
	36,000	10.6	● × 2	–	–	–	–	–
	45,000	12.5	–	–	–	● × 2	–	–
Separation tube			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

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

ALL DC

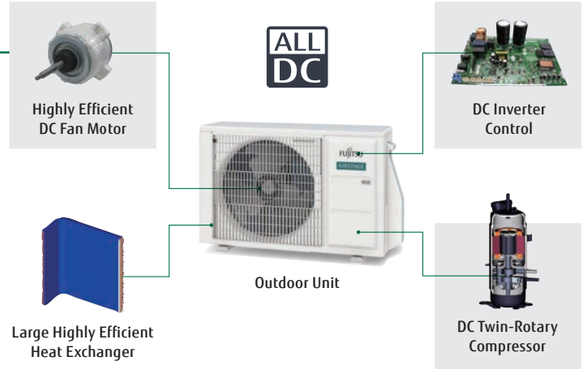
High energy saving

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

Rank
Cooling A+++
Heating A++

SEER 8.7* SCOP 4.7

*: 2-unit 14 class



R32 refrigerant model

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

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

Quiet operation

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

Sound Power Level *3-unit 24 class (cooling)

Space-saving installation

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

Compact design

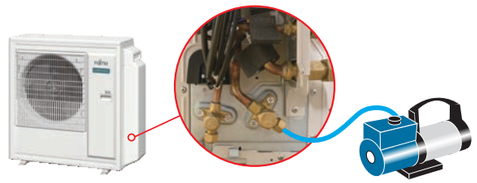
Unlike a single type, the outdoor unit can be installed in the most space-saving location.

Depth difference	Space requirement
-15.5 % !*	-36.2 % !*

*: Compared with current 5-unit multi models

Easy evacuation

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



Wide range of indoor units with various models

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

Models equipped with the New R32 Refrigerant

Wall-mounted type with sophisticated design

Designer Series

Cool Beauty Design
07/09/12/14 kBTU

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

Standard Series

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

Compact Size
05/07/09/12 kBTU

High Efficiency & Large Rooms
18/22/24 kBTU

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

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

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

Medium static pressure duct
12/14/18/22 kBTU
22 kBTU

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

Floor
09/12/14/ kBTU

Ceiling
18/22 kBTU

2-unit: AOEG14KBCA2 / AOEG18KBCA2
3-unit: AOEG18KBCA3 / AOEG24KBCA3
4-unit: AOEG30KBTA4
5-unit: AOEG36KBTA5

2-unit　3-unit　4-unit, 5-unit

Specifications (2-unit)

Model name				AOEG14KBCA2	AOEG18KBCA2
Power Source				Single phase, ~230 V, 50 Hz	
Rated Capacity	Cooling	Rated	kW	4.0	5.0
		Min.-Max.		1.4-4.6	1.7-5.8
	Heating	Rated		4.4	5.6
		Min.-Max.		1.1-5.5	1.8-6.6
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	33	37
Connection Pipe Diameter	Liquid		mm	6.35 × 2	6.35 × 2
	Gas			9.52 × 2	9.52 × 2
Max. Pipe Length	Total/Each		m	30/20	30/20
Max. Height Difference	Between Outdoor Unit and Each Indoor Unit			15	15
	Between Indoor Units			10	10
Operating 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 (0.608)	1.02 (0.689)

Specifications (3-unit)

Model name				AOEG18KBCA3	AOEG24KBCA3
Power Source				Single phase, ~230 V, 50 Hz	
Rated Capacity	Cooling	Rated	kW	5.4	6.8
		Min.-Max.		1.8-7.0	1.8-8.5
	Heating	Rated		6.8	8.0
		Min.-Max.		2.0-8.0	2.0-9.2
EER	Cooling		W/W	4.78	3.90
COP	Heating			4.89	4.40
Sound Pressure Level (High)	Cooling		dB(A)	46	48
	Heating			49	53
Sound Power Level (High)	Cooling			59	61
	Heating			61	67
Airflow Rate	Cooling/Heating		m^3/h	2,220/2,160	2,270/2,730
Net Dimensions H × W × D			mm	716 × 820 × 315	716 × 820 × 315
Weight			kg	46	46
Connection Pipe Diameter	Liquid		mm	6.35 × 3	6.35 × 3
	Gas			9.52 × 3	9.52 × 2, 12.70 × 1 adapter [12.70 → 9.52] × 1
Max. Pipe Length	Total/Each		m	50/25	50/25
Max. Height Difference	Between Outdoor Unit and Each Indoor Unit			15	15
	Between Indoor Units			10	10
Operating 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)	1.8 (1.215)	1.8 (1.215)

Specifications (4-unit, 5-unit)

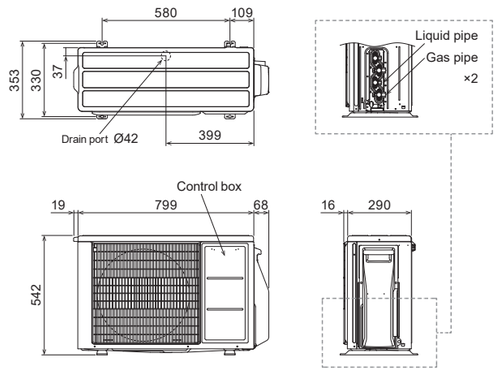
Model name				AOEG30KBTA4	AOEG36KBTA5
Power Source				Single phase, ~230 V, 50 Hz	
Rated Capacity	Cooling	Rated	kW	8.0	9.5
		Min.-Max.		2.4-10.1	3.0-11.0
	Heating	Rated		9.6	10.6
		Min.-Max.		3.0-11.2	3.5-12.0
EER	Cooling		W/W	3.90	3.80
COP	Heating			4.55	4.50
Sound Pressure Level (High)	Cooling		dB(A)	50	52
	Heating			54	55
Sound Power Level (High)	Cooling			63	65
	Heating			66	68
Airflow Rate	Cooling/Heating		m^3/h	2,400/2,950	2,450/2,900
Net Dimensions H × W × D			mm	884 × 820 × 315	884 × 820 × 315
Weight			kg	55	59
Connection Pipe Diameter	Liquid		mm	6.35 × 4	6.35 × 5
	Gas			9.52 × 2, 12.70 × 2 adapter [12.70 → 9.52] × 2	9.52 × 3, 12.70 × 2 adapter [12.70 → 9.52] × 2 adapter [9.52 → 12.70] × 1
Max. Pipe Length*	Total/Each		m	70/25	75/25
Max. Height Difference	Between Outdoor Unit and Each Indoor Unit			15	15
	Between Indoor Units			10	10
Operating 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)	2.2 (1.485)	2.5 (1.688)

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

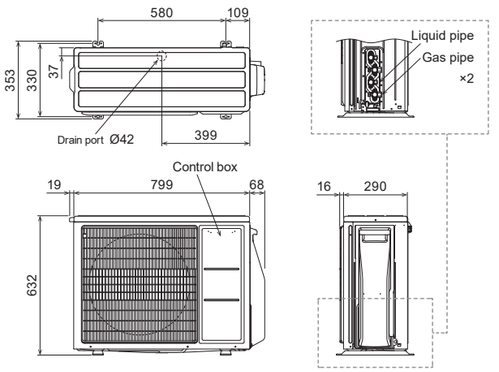
Dimensions

(Unit: mm)

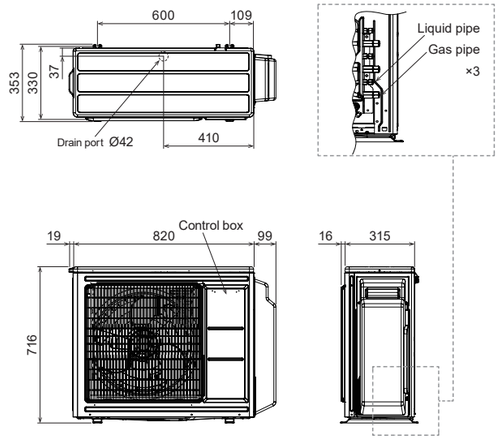
2-unit: AOEG14KBCA2



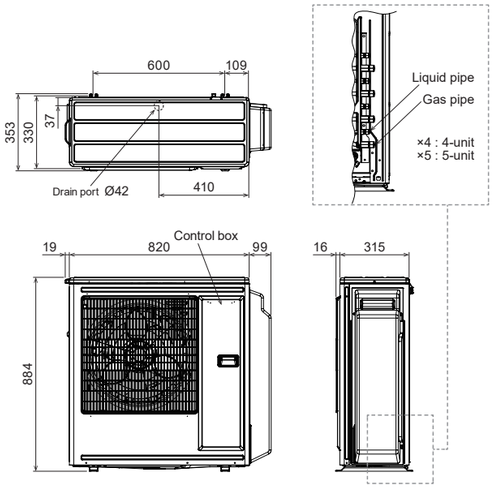
2-unit: AOEG18KBCA2



3-unit: AOEG18KBCA3 / AOEG24KBCA3



4-unit: AOEG30KBTA4
5-unit: AOEG36KBTA5



6-unit Multi-split

REFRIGERANT R410A

ALL DC

A wide variety of models to choose from

We offer 26 models in 5 types in a capacity range from 2.0 kW to 7.0 kW Wide range of requirements can be realized from private homes through to large shops and hotels

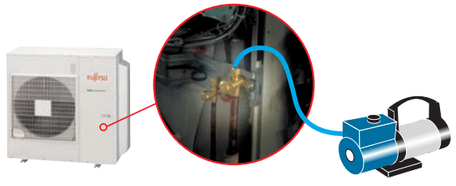
Compact design

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

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 6 indoor units. Unified setting of room temperature, airflow volume, and local control restrictions across units.
- Language can be selected from English, French, German, Greek, Italian, Portuguese, Russian, Spanish, or Turkish.
- Large backlit LED screen
- Large easy-to-see operation panel

Max. Controllable
1 multi-system

Max. Controllable
6 indoor units

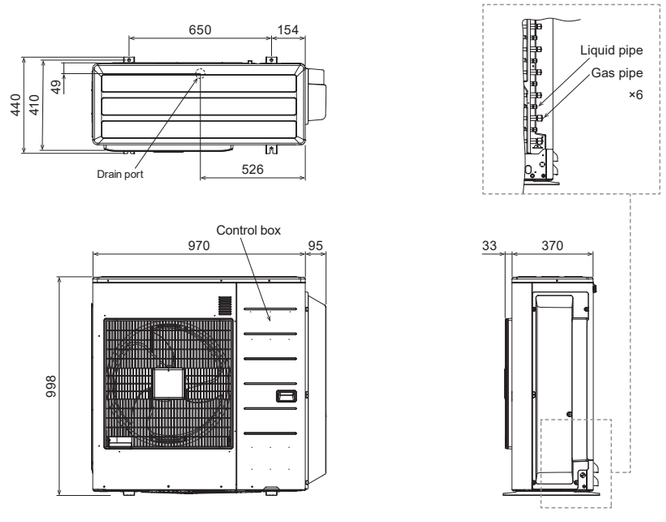
6-unit: AOYG45LBLA6

Specifications

Model name				AOYG45LBLA6
Power Source				Single phase, ~230 V, 50 Hz
Rated Capacity	Cooling	Rated	kW	12.5
		Min.-Max.		3.5-14.0
	Heating	Rated		13.5
		Min.-Max.		3.5-16.0
EER	Cooling		W/W	3.50
COP	Heating			4.00
Sound Pressure Level (High)	Cooling		dB(A)	53
	Heating			55
Sound Power Level (High)	Cooling			-
	Heating			-
Airflow Rate	Cooling/Heating		m^3/h	4,200/4,200
Net Dimensions H × W × D			mm	998 × 970 × 370
Weight			kg	94
Connection Pipe Diameter	Liquid		mm	6.35 × 6
	Gas			9.52 × 4, 12.70 × 2
Max. Pipe Length	Total/Each		m	80/25
Max. Height Difference	Between Outdoor Unit and Each Indoor Unit.			15
	Between Indoor Units.			10
Operating Range	Cooling		°CDB	-10 to 46
	Heating			-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)
	Charge		kg (CO2eq-T)	4.00 (8.352)

Dimensions

(Unit: mm)



Simultaneous Multi-split Type

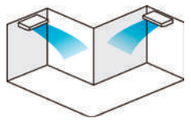
Twin / Triple

ALL DC

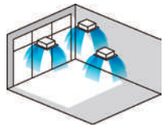
Meets a variety of installation needs from offices to commercial spaces, with up to 3 indoor units in the same room connected to an outdoor unit.

Select indoor units according to floor layout and heat load estimated by the number of people working in the room and the direction and intensity of sunlight entering the room.
Perfect airflow distribution can be achieved for optimum comfort.

Installation according to floor layout



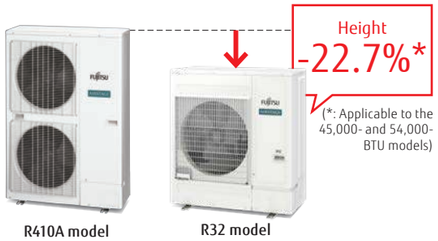
Installation according to lighting conditions



Design flexibility

Slim & Compact Design

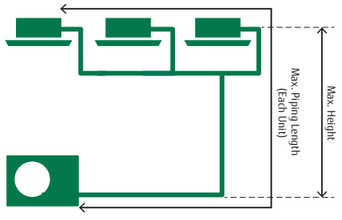
The outdoor unit in this series is 22.7% shorter* than a twin-fan outdoor unit. The reduced height makes it easy to install in tight spaces.



R410A model　　R32 model

Flexible installation

Pipe length of up to 50 m and a height difference of up to 30 m can be accommodated. Multi-split systems can be installed in large residences and multi-story buildings.



Max. Pipe Length (Each Unit): **50 m**

Max. Height: **30 m**

New lineup of indoor units

The indoor units, available in 6 models of 3 types, can be selected according to room size and conditions.

Compact Cassette

Slim Duct

Duct

Note : Please be aware that 2-wired group control is not possible with Simultaneous Multi-split.

Model: AOEG36KBTB / AOEG45KBTB / AOEG54KBTB
AOEG36KRTA [3-phase] / AOEG45KRTA [3-phase] / AOEG54KRTA [3-phase]

36

45/54

Specifications (Indoor units/Outdoor units)

Indoor Units Model name				Compact Cassette		
				AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
Power Source				Single phase, ~230 V, 50 Hz		
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 Dimensions H × W × D			mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
Weight			kg	15	16	16
Cassette Grille				UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W

Indoor Units Model name				Duct		
				ARXG18KLLAP	ARXG22KMLB	ARXG24KMLA
Power Source				Single phase, ~230 V, 50 Hz		
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 Dimensions H × W × D			mm	198 × 900 × 620	270 × 1,135 × 700	270 × 1,135 × 700
Weight			kg	20	35	35

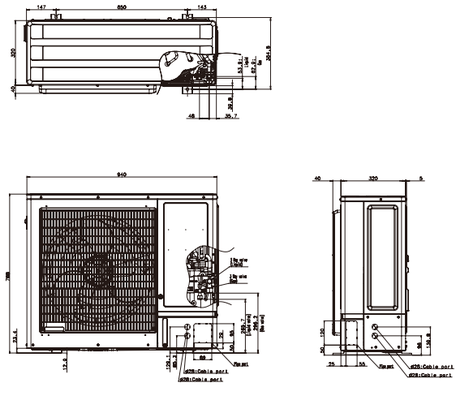
Outdoor Units Model name			AOEG36KBTB	AOEG45KBTB	AOEG54KBTB	AOEG36KRTA	AOEG45KRTA	AOEG54KRTA
Capacity	Cooling	kW	9.5	12.1	13.4	9.5	12.1	13.4
	Heating		10.8	13.5	15.5	10.8	13.5	15.5
Power Source			Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz		
Pdesign	Cooling	kW	9.5	–	–	9.5	-	-
	Heating (-10°C)		8.7	–	–	8.7	-	-
SEER	Cooling	W/W	6.10	–	–	6.10	-	-
SCOP	Heating		4.00	–	–	4.00	-	-
Annual Energy Consumption	Cooling	kWh/a	545	–	–	545	-	-
	Heating		3,044	–	–	3,044	-	-
Energy Efficiency Class	Cooling		A++	–	–	A++	-	-
	Heating		A+	–	–	A+	-	-
Sound Pressure Level (High)	Cooling	dB(A)	55	57	57	55	57	57
	Heating		55	57	59	55	57	59
Sound Power Level (High)	Cooling		70	71	73	70	71	73
	Heating		70	71	73	70	71	73
Airflow Rate	Cooling/Heating	m^3/h	3,750/3,750	4,450/4,450	4,450/4,450	3,750/3,750	4,450/4,450	4,450/4,450
Net Dimensions H × W × D		mm	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight		kg	52	67	67	53	67	67
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	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference			30	30	30	30	30	30
Operating 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)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	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)	UTP-SX236A (Twin)	UTP-SX236A (Twin)	UTP-SX236A (Twin) UTP-SX354A (Triple)

- Indoor units of different types and capacity cannot be connected.
- The above specifications apply when used with a cassette type indoor unit.

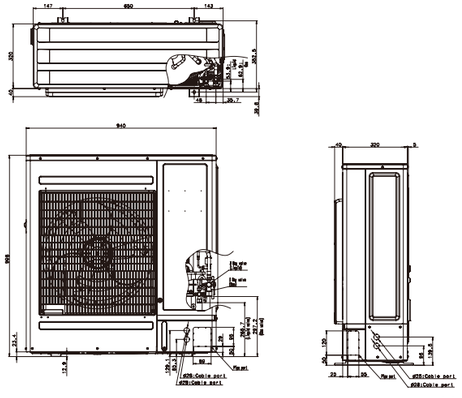
Dimensions

(Unit: mm)

AOEG36KBTB / AOEG36KRTA



AOEG45KBTB / AOEG54KBTB
AOEG45KRTA / AOEG54KRTA



Simultaneous Multi-split Type

Twin / Triple / Double Twin

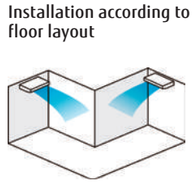
REFRIGERANT R410A

ALL DC

Meets a variety of installation needs from an open-plan office to a retail store, with up to 4 indoor units connected to an outdoor unit.

Select indoor units according to floor layout and heat load estimated by the number of people working in the room and the direction and intensity of sunlight entering the room. Perfect airflow distribution can be achieved for optimum comfort.

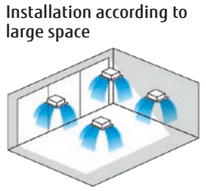
Installation according to floor layout



Installation according to lighting conditions

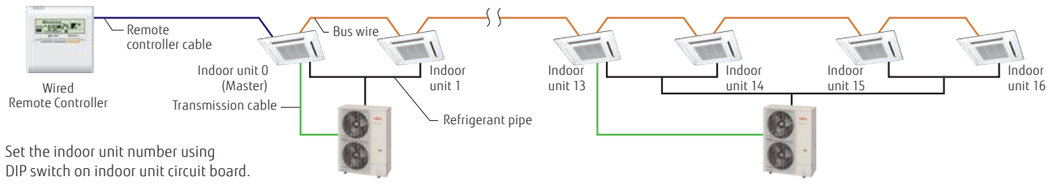
Installation according to layout and lighting conditions

Installation according to large space



Simultaneous control

Up to 16 indoor units can be controlled simultaneously with a wired remote controller.



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

*The following functions are not provided by a wireless remote controller: Timer operation, Sleep Timer operation, 10℃ Heat operation

Indoor unit lineup

The indoor units, available in 18 models of 6 types, can be selected according to room size and conditions.

Compact Cassette | Cassette | Slim Duct | Duct | Floor/Ceiling Universal | Ceiling

REFRIGERANT R410A

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

Specifications (Indoor units/Outdoor units)

Indoor Units Model name				Compact Cassette, Cassette					
				AUYG18LVLB	AUYG22LVLA	AUYG24LVLA	AUYG30LRLE	AUYG36LRLE	AUYG45LRLA
Power Source				Single phase, ~230 V, 50 Hz					
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 Dimensions H × W × D			mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
Weight			kg	15	16	16	26	26	26
Cassette Grille				UTG-UFYD-W			UTG-UGYA-W		

Indoor Units Model name				Duct					
				ARYG18LLTB	ARYG22LMLA	ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA
Power Source				Single phase, ~230 V, 50 Hz					
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 Dimensions H × W × D			mm	198 × 900 × 620	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700	270 × 1135 × 700
Weight			kg	23	38	40	40	40	40 (88)

Indoor Units Model name				Floor/Ceiling, Ceiling					
				ABYG18LVTB	ABYG22LVTA	ABYG24LVTA	ABYG30LRTE	ABYG36LRTE	ABYG45LRTA
Power Source				Single phase, ~230 V, 50 Hz					
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 Dimensions H × W × D			mm	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655	240 × 1660 × 700	240 × 1660 × 700	240 × 1660 × 700
Weight			kg	27	27	27	46	46	46

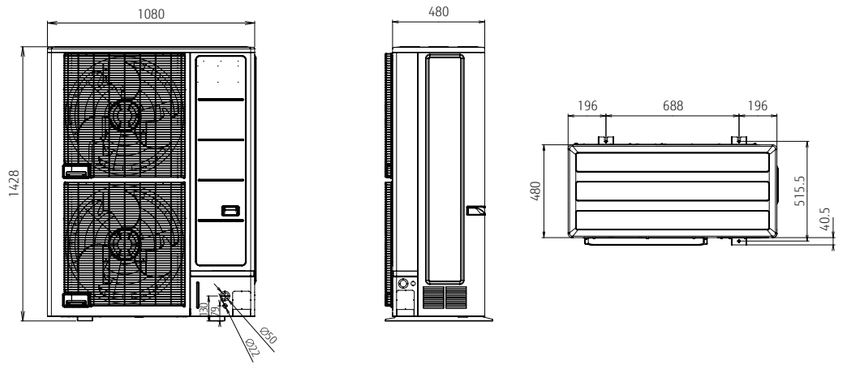
Outdoor Units Model name			AOYG72LRLA			AOYG90LRLA		
Capacity	Cooling	kW	19.0			22.0		
	Heating		22.4			27.0		
Power Source			3-phase, ~400 V, 50 Hz					
Sound Pressure Level (High)	Cooling/Heating	dB(A)	55/55			55/57		
Airflow Rate	Cooling/Heating	m^3/h	8,400/8,400			8,400/9,000		
Net Dimensions H × W × D		mm	1,428 × 1,080 × 480			1,428 × 1,080 × 480		
Weight		kg	163			172		
Connection Pipe Diameter (Liquid/Gas)		mm	12.7/25.4			12.7/25.4		
Max. Pipe Length (Pre-Charge)		m	100 (30)			100 (30)		
Max. Height Difference			30			30		
Operating Range	Cooling	°CDB	–15 to 46			–15 to 46		
	Heating		–20 to 24			–20 to 24		
Refrigerant	Type (Global Warming Potential)		R410A (2,088)			R410A (2,088)		
	Charge	kg (CO2eq-T)	5.6 (11.693)			7.1 (14.825)		
Separation tube			UTP-SX272A × 1 (Twin)	UTP-SX372A × 1 (Triple)	UTP-SX272A × 1 UTP-SX236A × 2 (Double Twin)	UTP-SX272A × 1 (Twin)	UTP-SX372A × 1 (Triple)	UTP-SX272A × 1 UTP-SX254A × 2 (Double Twin)

*: That specification is not fixed yet.

- Indoor units of different types and capacity cannot be connected.
- The above specifications apply when used with a cassette type indoor unit.

Dimensions

(Unit: mm)



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

Wall-mounted type

NEW

Model name	Indoor unit			ASEH07KGTG ASYG07KGTE	ASEH09KGTG ASYG09KGTE	ASEH12KGTG ASYG12KGTE	ASEH14KGTG ASYG14KGTE
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single phase, ~230 V, 50 Hz			
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	56	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	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215
Weight			kg	10	10	10	10
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Wall-mounted type

Model name	Indoor unit			ASEH07KETF ASEH07KETF-B ASYG07KETE ASYG07KETE-B	ASEH09KETF ASEH09KETF-B ASYG09KETE ASYG09KETE-B	ASEH12KETF ASEH12KETF-B ASYG12KETE ASYG12KETE-B	ASEH14KETF ASEH14KETF-B ASYG14KETE ASYG14KETE-B
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single phase, ~230 V, 50 Hz			
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	295 × 950 (wall side: 840) × 230	295 × 950 (wall side: 840) × 230	295 × 950 (wall side: 840) × 230	295 × 950 (wall side: 840) × 230
Weight			kg	11	11	11	11.5
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Wall-mounted type

NEW

Model name	Indoor unit			ASEH07KMCG ASYG07KMCE	ASEH09KMCG ASYG09KMCE	ASEH12KMCG ASYG12KMCE	ASEH14KMCG ASYG14KMCE
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single phase, ~230 V, 50 Hz			
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	650/540/430/320	700/560/430/320	700/560/430/320	770/600/450/310
	Heating			720/580/460/330	750/610/470/330	780/640/520/330	820/660/520/340
Net Dimensions			mm	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222
Weight			kg	10	10	10	10
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52

Wall-mounted type

NEW

Model name	Indoor unit			ASEH05KNCA	ASEH07KNCA	ASEH09KNCA	ASEH12KNCA
kW Class			kW	1.5	2.0	2.5	3.5
Power Source				Single phase, ~230 V, 50 Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	34 / 33 / 29 / 21	36 / 33 / 29 / 21	41 / 35 / 29 / 21	42 / 36 / 32 / 21
	Heating			34 / 32 / 30 / 22	36 / 33 / 30 / 22	41 / 34 / 30 / 22	42 / 35 / 31 / 22
Sound Power Level	Cooling	H	dB(A)	50	51	56	57
	Heating			50	51	56	57
Airflow Rate	Cooling	H/M/L/Q	m^3/h	500 / 450 / 390 / 250	530 / 460 / 390 / 250	640 / 500 / 390 / 250	660 / 520 / 440 / 250
	Heating			500 / 450 / 420 / 280	530 / 460 / 420 / 280	640 / 500 / 420 / 280	660 / 520 / 440 / 280
Net Dimensions			mm	270 × 784 × 222	270 × 784 × 222	270 × 784 × 222	270 × 784 × 222
Weight			kg	9	9	9	9
Connection Pipe Diameter		Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52

Wall-mounted type

Model name	Indoor unit			ASEG18KMTE	ASEG22KMTE	ASEG24KMTE
kW Class			kW	5.0	6.0	7.0
Power Source				Single phase, ~230 V, 50 Hz		
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	45/40/35/29	48/40/35/29	49/40/35/29
	Heating			46/40/35/29	48/40/35/29	49/40/35/29
Sound Power Level	Cooling	H	dB(A)	60	62	65
	Heating			61	62	65
Airflow Rate	Cooling	H/M/L/Q	m^3/h	980/810/640/510	1,060/810/640/510	1,170/850/640/510
	Heating			1,020/850/640/510	1,060/850/640/510	1,170/850/640/510
Net Dimensions			mm	280 × 980 × 240	280 × 980 × 240	280 × 980 × 240
Weight			kg	12.5	12.5	12.5
Connection Pipe Diameter		Liquid/Gas	mm	6.35/12.70	6.35/12.70	6.35/12.70

Floor

Model name	Indoor unit			AGEG09KVCA	AGEG12KVCA	AGEG14KVCA
kW Class			kW	2.5	3.5	4.0
Power Source				Single phase, ~230 V, 50 Hz		
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	14	14	14
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52

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

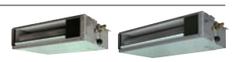
Ceiling

Model name	Indoor unit			ABEG18KRTA	ABEG22KRTA
kW Class			kW	5.0	6.0
Power Source				Single phase, ~230 V, 50 Hz	
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	38/36/33/31	42/37/34/31
	Heating			38/36/33/31	42/37/34/31
Sound Power Level	Cooling	H	dB(A)	53	57
	Heating			53	57
Airflow Rate	Cooling	H/M/L/Q	m^3/h	840/790/710/650	900/790/710/650
	Heating			840/790/710/650	900/790/710/650
Net Dimensions			mm	235 × 1,080 × 705	235 × 1,080 × 705
Weight			kg	24	24
Connection Pipe Diameter		Liquid/Gas	mm	6.35/12.70	6.35/12.70

Compact Cassette Grid Type

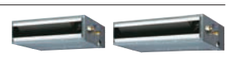
Model name	Indoor unit			AUXG07KVLA	AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA
kW Class			kW	2.0	2.5	3.5	4.0	5.0	6.0
Power Source				Single phase, ~230 V, 50 Hz					
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	33/31/29/27	33/31/29/27	37/34/31/28	38/35/32/29	38/35/32/29	44/42/36/30
	Heating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

Mini duct



Model name	Indoor unit			ARXG07KSLAP	ARXG09KSLAP	ARXG12KSLAP	ARXG14KSLAP	ARXG18KSLAP
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single phase, ~230 V, 50 Hz				
Sound Pressure Level	Cooling	H/M/L/Q	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	15.5	15.5	15.5	15.5	18.5
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
External static pressure			Pa	0 to 30	0 to 30	0 to 30	0 to 50	0 to 50
Drain pump				Standard	Standard	Standard	Standard	Standard

Slim duct



Model name	Indoor unit			ARXG07KLLAP	ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single phase, ~230 V, 50 Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26	32/30/29/27
	Heating			28/26/25/24	28/26/25/24	29/28/27/24	32/30/28/25	32/30/29/27
Sound Power Level	Cooling	H	dB(A)	57	57	58	60	58
	Heating			57	57	58	60	58
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	16	17	17	17	20
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
External static pressure			Pa	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90
Drain pump				Standard	Standard	Standard	Standard	Standard

Medium Static Pressure Duct

NEW

Model name	Indoor unit			ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP
kW Class			kW	3.5	4.0	5.0	6.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32/28/25/24
	Heating			29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32/28/25/24
Sound Power Level	Cooling	H	dB(A)	58	59	60	58
	Heating			58	59	60	58
Airflow Rate	Cooling	H/M/L/Q	m^3/h	650 / 520 / 460 / 390	800 / 640 / 560 / 480	840 / 720 / 630 / 540	1,150 / 920 / 800 / 700
	Heating			650 / 520 / 460 / 390	800 / 640 / 560 / 480	840 / 720 / 630 / 540	1,150 / 920 / 800 / 700
Net Dimensions			mm	240 × 700 × 700	240 × 700 × 700	240 × 700 × 700	240 × 1,000 × 700
Weight			kg	24	24	24	31
Connection Pipe Diameter		Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35/12.70
External static pressure			Pa	30 to 150	30 to 150	30 to 150	30 to 150
Drain pump				Standard	Standard	Standard	Standard

Medium Static Pressure Duct

Model name	Indoor unit			ARXG22KMLB
kW Class			kW	6.0
Power Source				Single phase, ~230 V, 50 Hz
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	31/29/27/25
	Heating			31/29/27/25
Sound Power Level	Cooling	H	dB(A)	60
	Heating			62
Airflow Rate	Cooling	H/M/L/Q	m^3/h	1,100/910/750/580
	Heating			1,100/910/750/580
Net Dimensions			mm	270 × 1,135 × 700
Weight			kg	35
Connection Pipe Diameter		Liquid/Gas	mm	6.35/12.70
External static pressure			Pa	30 to 150
Drain pump				Option

REFRIGERANT R410A

6-unit Multi-split Indoor Units Specifications

Compact wall-mounted

Model name	Indoor unit			ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single phase, ~230 V, 50 Hz			
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	9.5	9.5	9.5	9.5
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70

Wall-mounted type

Model name	Indoor unit			ASYG18LFCA	ASYG24LFCC
kW Class			kW	5.0	7.0
Power Source				Single phase, ~230 V, 50 Hz	
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	14	14
Connection Pipe Diameter		Liquid/Gas	mm	6.35/12.70	6.35/15.88

Compact wall-mounted

Model name	Indoor unit			ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single phase, ~230 V, 50 Hz			
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	8.5	8.5	8.5	8.5
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70

Floor

Model name	Indoor unit			AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
kW Class			kW	2.5	3.5	4.0
Power Source				Single phase, ~230 V, 50 Hz		
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	14	14	14
Connection Pipe Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.70

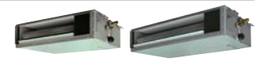
Floor ceiling

Model name	Indoor unit			ABYG14LVTA	ABYG18LVTB
kW Class			kW	4.0	5.0
Power Source				Single phase, ~230 V, 50 Hz	
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	27	27
Connection Pipe Diameter		Liquid/Gas	mm	6.35/12.70	6.35/12.70

Compact cassette

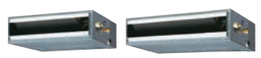
Model name	Indoor unit			AUYG07LVLA	AUYG09LVLA	AUYG12LVLB	AUYG14LVLB	AUYG18LVLB
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single phase, ~230 V, 50 Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	33/31/29/27	33/31/29/27	37/33/31/28	40/35/32/29	42/37/33/29
	Heating			34/32/29/27	34/32/29/27	37/33/31/28	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	15	15	15	15	15
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 name	Indoor unit			ARYG07LSLAP	ARYG09LSLAP	ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single phase, ~230 V, 50 Hz				
Sound Pressure Level	Cooling	H/M/L/Q	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	15.5				18.5
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 name	Indoor unit			ARYG07LLTA	ARYG09LLTA	ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
kW Class			kW	2.0	2.5	3.5	4.0	5.0
Power Source				Single phase, ~230 V, 50 Hz				
Sound Pressure Level	Cooling	H/M/L/Q	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	17	19	19	19	23
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-unit Multi-split Combination Table–Cooling/Heating

2-unit Multi-split cooling

AOEG14KBCA2	Combination of Indoor Units		Cooling Operation							
			Cooling Capacity			Input Power (Min. - Max.)	EER	Seasonal Data		
			Unit 1	Unit 2	Total Capacity (Min. - Max.)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2-unit connection	7	7	2.00	2.00	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++
	7	9	1.75	2.25	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++
	7	12	1.47	2.53	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++
	9	9	2.00	2.00	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++
	9	12	1.71	2.29	4.00 (1.4-4.6)	0.97 (0.25-1.20)	4.12	4.0	8.7	A+++

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

AOEG18KBCA2	Combination of Indoor Units		Cooling Operation							
			Cooling Capacity			Input Power (Min. - Max.)	EER	Seasonal Data		
			Unit 1	Unit 2	Total Capacity (Min. - Max.)			Pdesign	SEER	Energy efficiency class
			kW	kW	kW	kW		kW		
2-unit connection	7	7	2.00	2.00	4.00 (1.7-5.0)	0.92 (0.25-1.23)	4.35	4.0	8.8	A+++
	7	9	2.00	2.50	4.50 (1.7-5.7)	1.07 (0.25-1.45)	4.22	4.5	8.7	A+++
	7	12	1.84	3.16	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	7	14	1.67	3.33	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	9	9	2.50	2.50	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	9	12	2.14	2.86	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	9	14	1.96	3.04	5.00 (1.7-5.8)	1.24 (0.25 - 1.55)	4.03	5.0	8.6	A+++
	12	12	2.50	2.50	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++
	12	14	2.31	2.69	5.00 (1.7-5.8)	1.24 (0.25-1.55)	4.03	5.0	8.6	A+++

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

2-unit Multi-split heating

AOEG14KBCA2	Combination of Indoor Units		Heating Operation							
			Heating Capacity			Input Power (Min. - Max.)	COP	Seasonal Data		
			Unit 1	Unit 2	Total Capacity (Min. - Max.)			Pdesign	SCOP	Energy efficiency class
			kW	kW	kW	kW		kW		
2-unit connection	7	7	2.20	2.20	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++
	7	9	1.92	2.48	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++
	7	12	1.62	2.78	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++
	9	9	2.20	2.20	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++
	9	12	1.89	2.51	4.40 (1.1-5.5)	0.95 (0.25-1.65)	4.63	3.5	4.7	A++

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

AOEG18KBCA2	Combination of Indoor Units		Heating Operation							
			Heating Capacity			Input Power (Min. - Max.)	COP	Seasonal Data		
			Unit 1	Unit 2	Total Capacity (Min. - Max.)			Pdesign	SCOP	Energy efficiency class
			kW	kW	kW	kW		kW		
2-unit connection	7	7	2.40	2.40	4.80 (1.7-5.6)	0.99 (0.25-1.35)	4.85	3.8	4.7	A++
	7	9	2.40	3.00	5.40 (1.7-6.4)	1.15 (0.25-1.60)	4.70	4.0	4.7	A++
	7	12	2.06	3.54	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	7	14	1.87	3.73	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	9	9	2.80	2.80	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	9	12	2.40	3.20	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	9	14	2.19	3.41	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	12	12	2.80	2.80	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++
	12	14	2.58	3.02	5.60 (1.7-7.0)	1.22 (0.25-1.80)	4.59	4.2	4.7	A++

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

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

3-unit Multi-split cooling

AOEG18KBCA3	Combination of Indoor Units			Cooling Operation								
				Cooling Capacity				Input Power (Min. - Max.)	EER	Seasonal Data		
				Unit 1	Unit 2	Unit 3	Total Capacity (Min. - Max.)			Pdesign	SEER	Energy efficiency
				kW	kW	kW	kW	kW		kW		
2-unit connection	7	7	-	2.00	2.00	-	4.00 (1.8-5.0)	0.86 (0.35-1.35)	4.65	4.0	8.3	A++
	7	9	-	2.00	2.50	-	4.50 (1.8-5.7)	1.03 (0.35-1.50)	4.36	4.5	8.2	A++
	7	12	-	1.99	3.41	-	5.40 (1.8-6.8)	1.41 (0.35-1.81)	3.83	5.4	8.0	A++
	7	14	-	1.80	3.60	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++
	9	9	-	2.50	2.50	-	5.00 (1.8-6.4)	1.23 (0.35-1.70)	4.06	5.0	8.1	A++
	9	12	-	2.31	3.09	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++
	9	14	-	2.11	3.29	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++
	12	12	-	2.70	2.70	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++
	12	14	-	2.49	2.91	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++
	14	14	-	2.70	2.70	-	5.40 (1.8-7.0)	1.41 (0.35-1.90)	3.83	5.4	8.0	A++
3-unit connection	7	7	7	1.80	1.80	1.80	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
	7	7	9	1.64	1.64	2.12	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
	7	7	12	1.45	1.45	2.50	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
	7	7	14	1.35	1.35	2.70	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
	7	9	9	1.52	1.94	1.94	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
	7	9	12	1.35	1.74	2.31	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
	7	9	14	1.26	1.62	2.52	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
	9	9	9	1.80	1.80	1.80	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++
	9	9	12	1.62	1.62	2.16	5.40 (1.8-7.0)	1.13 (0.35-1.90)	4.78	5.4	8.6	A+++

AOEG24KBCA3	Combination of Indoor Units			Cooling Operation								
				Cooling Capacity				Input Power (Min. - Max.)	EER	Seasonal Data		
				Unit 1	Unit 2	Unit 3	Total Capacity (Min. - Max.)			Pdesign	SEER	Energy efficiency
				kW	kW	kW	kW	kW		kW		
2-unit connection	7	7	-	2.00	2.00	-	4.00 (1.8-5.0)	0.86 (0.35-1.35)	4.65	4.0	8.3	A++
	7	9	-	2.00	2.50	-	4.50 (1.8-5.7)	1.03 (0.35-1.54)	4.36	4.5	8.2	A++
	7	12	-	2.00	3.50	-	5.50 (1.8-6.8)	1.46 (0.35-1.85)	3.77	5.5	8.0	A++
	7	14	-	2.00	4.00	-	6.00 (1.8-7.5)	1.73 (0.35-2.20)	3.48	6.0	7.6	A++
	7	18	-	1.90	4.90	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++
	9	9	-	2.50	2.50	-	5.00 (1.8-6.4)	1.23 (0.35-1.74)	4.06	5.0	8.1	A++
	9	12	-	2.50	3.50	-	6.00 (1.8-7.5)	1.73 (0.35-2.20)	3.48	6.0	7.6	A++
	9	14	-	2.50	4.00	-	6.50 (1.8-8.2)	2.04 (0.35-2.46)	3.19	6.5	7.2	A++
	9	18	-	2.27	4.53	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++
	12	12	-	3.40	3.40	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++
	12	14	-	3.14	3.66	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++
	12	18	-	2.72	4.08	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++
	14	14	-	3.40	3.40	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++
	14	18	-	2.98	3.82	-	6.80 (1.8-8.5)	2.26 (0.35-2.65)	3.01	6.8	6.9	A++
3-unit connection	7	7	7	2.00	2.00	2.00	6.00 (1.8-7.5)	1.37 (0.35-2.20)	4.37	6.0	8.6	A+++
	7	7	9	2.00	2.00	2.50	6.50 (1.8-8.2)	1.59 (0.35-2.46)	4.08	6.5	8.5	A+++
	7	7	12	1.83	1.83	3.14	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	7	14	1.70	1.70	3.40	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	7	18	1.49	1.49	3.82	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	9	9	1.90	2.45	2.45	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	9	12	1.70	2.19	2.91	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	9	14	1.59	2.04	3.17	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	9	18	1.40	1.80	3.60	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	12	12	1.54	2.63	2.63	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	12	14	1.44	2.47	2.89	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	7	14	14	1.36	2.72	2.72	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	9	9	[9]	2.27	2.27	2.27	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	9	9	12	2.04	2.04	2.72	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	9	9	14	1.91	1.91	2.98	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	9	9	18	1.70	1.70	3.40	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	9	12	12	1.86	2.47	2.47	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	9	12	14	1.75	2.33	2.72	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++
	12	12	12	2.27	2.27	2.27	6.80 (1.8-8.5)	1.74 (0.35-2.65)	3.90	6.8	8.5	A+++

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

3-unit Multi-split heating

AOEG18KBCA3	Combination of Indoor Units			Heating Operation								
				Heating Capacity				Input Power (Min. - Max.)	COP	Seasonal Data		
				Unit 1	Unit 2	Unit 3	Total Capacity (Min. - Max.)			Pdesign	SCOP	Energy efficiency
				kW	kW	kW	kW	kW		kW		
2-unit connection	7	7	-	2.40	2.40	-	4.80 (2.0-5.6)	1.00 (0.25-1.30)	4.80	4.0	4.2	A+
	7	9	-	2.40	3.00	-	5.40 (2.0-6.4)	1.21 (0.25-1.48)	4.45	4.0	4.2	A+
	7	12	-	2.40	4.20	-	6.60 (2.0-7.6)	1.66 (0.25-1.76)	3.98	5.0	4.0	A+
	7	14	-	2.27	4.53	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+
	9	9	-	3.00	3.00	-	6.00 (2.0-7.2)	1.44 (0.25-1.67)	4.17	4.5	4.1	A+
	9	12	-	2.91	3.89	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+
	9	14	-	2.66	4.14	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+
	12	12	-	3.40	3.40	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+
	12	14	-	3.14	3.66	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+
	14	14	-	3.40	3.40	-	6.80 (2.0-8.0)	1.77 (0.25-1.85)	3.84	5.0	4.0	A+
3-unit connection	7	7	7	2.27	2.27	2.27	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
	7	7	9	2.07	2.07	2.66	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
	7	7	12	1.83	1.83	3.14	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
	7	7	14	1.70	1.70	3.40	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
	7	9	9	1.90	2.45	2.45	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
	7	9	12	1.70	2.19	2.91	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
	7	9	14	1.59	2.04	3.17	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
	9	9	9	2.27	2.27	2.27	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++
	9	9	12	2.04	2.04	2.72	6.80 (2.0-8.0)	1.39 (0.25-1.85)	4.89	5.0	4.7	A++

AOEG24KBCA3	Combination of Indoor Units			Heating Operation								
				Heating Capacity				Input Power (Min. - Max.)	COP	Seasonal Data		
				Unit 1	Unit 2	Unit 3	Total Capacity (Min. - Max.)			Pdesign	SCOP	Energy efficiency
				kW	kW	kW	kW	kW		kW		
2-unit connection	7	7	-	2.40	2.40	-	4.80 (2.0-5.6)	1.00 (0.25-1.30)	4.80	4.0	4.2	A+
	7	9	-	2.40	3.00	-	5.40 (2.0-6.4)	1.21 (0.25-1.48)	4.45	4.0	4.2	A+
	7	12	-	2.40	4.20	-	6.60 (2.0-7.6)	1.66 (0.25-1.76)	3.98	5.0	4.0	A+
	7	14	-	2.40	4.80	-	7.20 (2.0-8.4)	1.86 (0.25-2.07)	3.87	5.4	4.0	A+
	7	18	-	2.16	5.54	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+
	9	9	-	3.00	3.00	-	6.00 (2.0-7.2)	1.44 (0.25-1.67)	4.17	4.5	4.1	A+
	9	12	-	3.00	4.20	-	7.20 (2.0-8.4)	1.86 (0.25-2.07)	3.87	5.4	4.0	A+
	9	14	-	2.96	4.74	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+
	9	18	-	2.57	5.13	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+
	12	12	-	3.85	3.85	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+
	12	14	-	3.55	4.15	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+
	12	18	-	3.08	4.62	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+
	14	14	-	3.85	3.85	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+
	14	18	-	3.37	4.33	-	7.70 (2.0-9.2)	2.01 (0.25-2.35)	3.83	5.8	4.0	A+
3-unit connection	7	7	7	2.40	2.40	2.40	7.20 (2.0-8.4)	1.61 (0.25-2.07)	4.48	5.4	4.7	A++
	7	7	9	2.40	2.40	3.00	7.80 (2.0-9.2)	1.76 (0.25-2.35)	4.42	5.8	4.6	A++
	7	7	12	2.15	2.15	3.70	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	7	14	2.00	2.00	4.00	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	7	18	1.75	1.75	4.50	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	9	9	2.24	2.88	2.88	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	9	12	2.00	2.57	3.43	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	9	14	1.87	2.40	3.73	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	9	18	1.65	2.12	4.23	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	12	12	1.80	3.10	3.10	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	12	14	1.70	2.91	3.39	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	7	14	14	1.60	3.20	3.20	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	9	9	[9]	2.67	2.67	2.67	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	9	9	12	2.40	2.40	3.20	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	9	9	14	2.25	2.25	3.50	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	9	9	18	2.00	2.00	4.00	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	9	12	12	2.18	2.91	2.91	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	9	12	14	2.06	2.74	3.20	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++
	12	12	12	2.67	2.67	2.67	8.00 (2.0-9.2)	1.82 (0.25-2.35)	4.40	6.0	4.6	A++

Notes: •7: 7000 Btu/h/9: 9000 Btu/h/12: 12000 Btu/h/14: 14000 Btu/h/18: 18000 Btu/h models
•The above specifications apply when connected with a wall-mounted [KG/KM] unit.
•2 or more indoor units should be connected.
•Heating capacity is determined based on 20°CDB (indoor temperature) and 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.
•Please refer to the Design & Technical manual for the combination tables with 5kW model.

4-unit Multi-split Combination Table–Cooling/Heating

4-unit Multi-split cooling

AOEG30KBTA4	Combination of Indoor Units				Cooling Operation									
					Cooling Capacity					Input Power (Min. - Max.)	EER	Seasonal Data		
					Unit 1	Unit 2	Unit 3	Unit 4	Total Capacity (Min. - Max.)			Pdesign	SEER	Energy efficiency
					kW	kW	kW	kW	kW	kW		kW		
2-unit connection	7	22	-	-	2.00	6.00	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	7	24	-	-	1.81	6.19	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	9	22	-	-	2.32	5.68	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	9	24	-	-	2.18	5.82	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	12	18	-	-	3.20	4.80	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	12	22	-	-	2.82	5.18	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	12	24	-	-	2.67	5.33	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	14	18	-	-	3.50	4.50	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	14	22	-	-	3.11	4.89	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	14	24	-	-	2.95	5.05	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	18	18	-	-	4.00	4.00	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	18	22	-	-	3.60	4.40	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	18	24	-	-	3.43	4.57	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	22	22	-	-	4.00	4.00	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	22	24	-	-	3.83	4.17	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
	24	24	-	-	4.00	4.00	-	-	8.00 (2.4-10.1)	2.67 (0.45-3.25)	3.00	8.0	7.5	A++
3-unit connection	7	7	12	-	2.00	2.00	3.50	-	7.50 (2.4-9.3)	2.10 (0.45-2.84)	3.57	7.5	8.1	A++
	7	7	14	-	2.00	2.00	4.00	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	7	18	-	1.75	1.75	4.50	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	7	22	-	1.56	1.56	4.88	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	7	24	-	1.47	1.47	5.06	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	9	9	-	2.00	2.50	2.50	-	7.00 (2.4-8.9)	1.90 (0.45-2.65)	3.69	7.0	8.2	A++
	7	9	12	-	2.00	2.50	3.50	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	9	14	-	1.87	2.40	3.73	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	9	18	-	1.64	2.12	4.24	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	9	22	-	1.47	1.89	4.64	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	9	24	-	1.40	1.80	4.80	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	12	12	-	1.80	3.10	3.10	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	12	14	-	1.70	2.91	3.39	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	12	18	-	1.51	2.59	3.90	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	12	22	-	1.37	2.34	4.29	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	12	24	-	1.30	2.23	4.47	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	14	14	-	1.60	3.20	3.20	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	14	18	-	1.44	2.87	3.69	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	14	22	-	1.30	2.60	4.10	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	14	24	-	1.24	2.49	4.27	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	18	18	-	1.30	3.35	3.35	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	18	22	-	1.19	3.06	3.75	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	7	18	24	-	1.14	2.94	3.92	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	9	9	-	2.50	2.50	2.50	-	7.50 (2.4-9.6)	2.10 (0.45-3.01)	3.57	7.5	8.1	A++
	9	9	12	-	2.40	2.40	3.20	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	9	14	-	2.25	2.25	3.50	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	9	18	-	2.00	2.00	4.00	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	9	22	-	1.80	1.80	4.40	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	9	24	-	1.71	1.71	4.58	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	12	12	-	2.18	2.91	2.91	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	12	14	-	2.06	2.74	3.20	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	12	18	-	1.85	2.46	3.69	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	12	22	-	1.67	2.23	4.10	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	12	24	-	1.60	2.13	4.27	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	14	14	-	1.94	3.03	3.03	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	14	18	-	1.76	2.73	3.51	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	14	22	-	1.60	2.49	3.91	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	14	24	-	1.53	2.38	4.09	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	9	18	18	-	1.60	3.20	3.20	-	8.00(2.4-10.1)	2.32(0.45-3.25)	3.45	8.0	8.0	A++
	12	12	12	-	2.67	2.67	2.67	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	12	12	14	-	2.53	2.53	2.94	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	12	12	18	-	2.29	2.29	3.42	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	12	12	22	-	2.09	2.09	3.82	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	12	12	24	-	2.00	2.00	4.00	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	12	14	14	-	2.40	2.80	2.80	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	12	14	18	-	2.18	2.55	3.27	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	12	18	18	-	2.00	3.00	3.00	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	14	14	14	-	2.67	2.67	2.67	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
	14	14	18	-	2.43	2.43	3.14	-	8.00 (2.4-10.1)	2.32 (0.45-3.25)	3.45	8.0	8.0	A++
4-unit connection	7	7	7	7	2.00	2.00	2.00	2.00	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	7	9	1.87	1.87	1.87	2.39	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	7	12	1.70	1.70	1.70	2.90	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	7	14	1.60	1.60	1.60	3.20	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	7	18	1.44	1.44	1.44	3.68	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	9	9	1.75	1.75	2.25	2.25	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	9	12	1.60	1.60	2.06	2.74	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	9	14	1.51	1.51	1.95	3.03	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	9	18	1.37	1.37	1.76	3.50	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	12	12	1.47	1.47	2.53	2.53	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	12	14	1.40	1.40	2.40	2.80	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	12	18	1.27	1.27	2.18	3.28	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	14	14	1.33	1.33	2.67	2.67	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	7	14	18	1.22	1.22	2.43	3.13	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	9	9	1.64	2.12	2.12	2.12	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	9	12	1.51	1.95	1.95	2.59	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	9	14	1.43	1.85	1.85	2.87	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	9	18	1.30	1.67	1.67	3.36	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	12	12	1.40	1.80	2.40	2.40	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	12	14	1.33	1.71	2.29	2.67	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	12	18	1.21	1.57	2.09	3.13	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	14	14	1.26	1.64	2.55	2.55	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	9	14	18	1.17	1.50	2.33	3.00	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	12	12	12	1.31	2.23	2.23	2.23	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	12	12	14	1.24	2.13	2.13	2.50	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	12	12	18	1.14	1.96	1.96	2.94	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	7	12	14	14	1.19	2.05	2.38	2.38	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	9	9	9	2.00	2.00	2.00	2.00	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	9	9	12	1.85	1.85	1.85	2.45	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	9	9	14	1.76	1.76	1.76	2.72	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	9	9	18	1.60	1.60	1.60	3.20	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	9	12	12	1.71	1.71	2.29	2.29	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	9	12	14	1.64	1.64	2.18	2.54	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	9	12	18	1.50	1.50	2.00	3.00	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	9	14	14	1.57	1.57	2.43	2.43	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	12	12	12	1.61	2.13	2.13	2.13	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	12	12	14	1.53	2.04	2.04	2.39	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	9	12	14	14	1.46	1.96	2.29	2.29	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++
	12	12	12	12	2.00	2.00	2.00	2.00	8.00 (2.4-10.1)	2.05 (0.45-3.25)	3.90	8.0	8.5	A+++

Notes: •7: 7000 Btu/h/9: 9000 Btu/h/12: 12000 Btu/h/14: 14000 Btu/h/18: 18000 Btu/h/22: 22000 Btu/h/24: 24000 Btu/h models
•The above specifications apply when connected with a wall-mounted [KG/KM] unit.
•2 or more indoor units should be connected.
•Cooling capacity is determined based on 27°CDB/19°CWB (indoor temperature) and 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•Total capacity of indoor units connected must be between 7.5 kW and 14.0 kW.
•Please refer to the Design & Technical manual for the combination tables with 5kW model.

4-unit Multi-split heating

AOEG30KBTA4	Combination of Indoor Units				Heating Operation									
					Heating Capacity					Input Power (Min. - Max.)	COP	Seasonal Data		
					Unit 1	Unit 2	Unit 3	Unit 4	Total Capacity (Min. - Max.)			Pdesign	SCOP	Energy efficiency
					kW	kW	kW	kW	kW	kW		kW		
2-unit connection	7	22	-	-	2.40	7.20	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	7	24	-	-	2.17	7.43	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	9	22	-	-	2.79	6.81	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	9	24	-	-	2.62	6.98	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	12	18	-	-	3.84	5.76	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	12	22	-	-	3.39	6.21	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	12	24	-	-	3.20	6.40	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	14	18	-	-	4.20	5.40	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	14	22	-	-	3.73	5.87	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	14	24	-	-	3.54	6.06	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	18	18	-	-	4.80	4.80	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	18	22	-	-	4.32	5.28	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	18	24	-	-	4.11	5.49	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	22	22	-	-	4.80	4.80	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	22	24	-	-	4.59	5.01	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
	24	24	-	-	4.80	4.80	-	-	9.60 (3.0-11.2)	2.47 (0.30-2.95)	3.89	6.5	4.1	A+
3-unit connection	7	7	12	-	2.40	2.40	4.20	-	9.00 (3.0-10.4)	2.11 (0.30-2.60)	4.27	6.0	4.4	A+
	7	7	14	-	2.40	2.40	4.80	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	7	18	-	2.10	2.10	5.40	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	7	22	-	1.87	1.87	5.86	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	7	24	-	1.77	1.77	6.06	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	9	9	-	2.40	3.00	3.00	-	8.40 (3.0-10.0)	1.94 (0.30-2.45)	4.32	6.0	4.4	A+
	7	9	12	-	2.40	3.00	4.20	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	9	14	-	2.24	2.88	4.48	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	9	18	-	1.98	2.54	5.08	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	9	22	-	1.77	2.27	5.56	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	9	24	-	1.68	2.16	5.76	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	12	12	-	2.16	3.72	3.72	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	12	14	-	2.04	3.49	4.07	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	12	18	-	1.82	3.11	4.67	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	12	22	-	1.64	2.81	5.15	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	12	24	-	1.56	2.68	5.36	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	14	14	-	1.92	3.84	3.84	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	14	18	-	1.72	3.45	4.43	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	14	22	-	1.56	3.13	4.91	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	14	24	-	1.49	2.99	5.12	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	18	18	-	1.56	4.02	4.02	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	18	22	-	1.43	3.68	4.49	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	7	18	24	-	1.37	3.53	4.70	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	9	9	-	3.00	3.00	3.00	-	9.00 (3.0-10.8)	2.11 (0.30-2.76)	4.27	6.0	4.4	A+
	9	9	12	-	2.88	2.88	3.84	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	9	14	-	2.70	2.70	4.20	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	9	18	-	2.40	2.40	4.80	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	9	22	-	2.16	2.16	5.28	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	9	24	-	2.06	2.06	5.48	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	12	12	-	2.62	3.49	3.49	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	12	14	-	2.47	3.29	3.84	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	12	18	-	2.22	2.95	4.43	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	12	22	-	2.01	2.68	4.91	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	12	24	-	1.92	2.56	5.12	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	14	14	-	2.34	3.63	3.63	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	14	18	-	2.11	3.28	4.21	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	14	22	-	1.92	2.99	4.69	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	14	24	-	1.84	2.86	4.90	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	9	18	18	-	1.92	3.84	3.84	-	9.60(3.0-11.2)	2.27(0.30-2.95)	4.22	6.5	4.3	A+
	12	12	12	-	3.20	3.20	3.20	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	12	12	14	-	3.03	3.03	3.54	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	12	12	18	-	2.74	2.74	4.12	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	12	12	22	-	2.50	2.50	4.60	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	12	12	24	-	2.40	2.40	4.80	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	12	14	14	-	2.88	3.36	3.36	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	12	14	18	-	2.62	3.05	3.93	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	12	18	18	-	2.40	3.60	3.60	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	14	14	14	-	3.20	3.20	3.20	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.3	A+
	14	14	18	-	2.92	2.92	3.76	-	9.60 (3.0-11.2)	2.27 (0.30-2.95)	4.22	6.5	4.

5-unit Multi-split Combination Table-Cooling

5-unit Multi-split cooling

AOEG36KBTA5	Combination of Indoor Units					Cooling Operation										
						Cooling Capacity						Input Power (Min. - Max.)	EER	Seasonal Data		
						Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Total Capacity (Min. - Max.)			Pdesign	SEER	Energy efficiency
						kW	kW	kW	kW	kW	kW	kW		kW		
2-unit connection	7	24	-	-	-	2.00	7.00	-	-	-	9.00 (3.0-11.0)	2.91 (0.30-3.45)	3.09	9.0	7.9	A++
	9	22	-	-	-	2.50	6.00	-	-	-	8.50 (3.0-11.0)	2.67 (0.30-3.45)	3.18	8.5	7.9	A++
	9	24	-	-	-	2.50	7.00	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	12	22	-	-	-	3.50	6.00	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	12	24	-	-	-	3.17	6.33	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	14	22	-	-	-	3.69	5.81	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	14	24	-	-	-	3.50	6.00	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	18	18	-	-	-	4.75	4.75	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	18	22	-	-	-	4.27	5.23	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	18	24	-	-	-	4.07	5.43	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	22	22	-	-	-	4.75	4.75	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	22	24	-	-	-	4.54	4.96	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
	24	24	-	-	-	4.75	4.75	-	-	-	9.50 (3.0-11.0)	3.17 (0.30-3.45)	3.00	9.5	7.8	A++
3-unit connection	7	7	14	-	-	2.00	2.00	4.00	-	-	8.00 (3.0-10.0)	2.26 (0.30-2.88)	3.54	8.0	8.2	A++
	7	7	18	-	-	2.00	2.00	5.00	-	-	9.00 (3.0-11.0)	2.68 (0.30-3.45)	3.36	9.0	8.1	A++
	7	7	22	-	-	1.85	1.85	5.80	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	7	24	-	-	1.75	1.75	6.00	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	9	12	-	-	2.00	2.50	3.50	-	-	8.00 (3.0-10.0)	2.26 (0.30-2.88)	3.54	8.0	8.2	A++
	7	9	14	-	-	2.00	2.50	4.00	-	-	8.50 (3.0-10.7)	2.46 (0.30-3.27)	3.45	8.5	8.1	A++
	7	9	18	-	-	2.00	2.50	5.00	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	9	22	-	-	1.75	2.25	5.50	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	9	24	-	-	1.66	2.14	5.70	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	12	12	-	-	2.00	3.50	3.50	-	-	9.00 (3.0-11.0)	2.68 (0.30-3.45)	3.36	9.0	8.1	A++
	7	12	14	-	-	2.00	3.50	4.00	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	12	18	-	-	1.80	3.08	4.62	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	12	22	-	-	1.62	2.78	5.10	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	12	24	-	-	1.55	2.65	5.30	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	14	14	-	-	1.90	3.80	3.80	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	14	18	-	-	1.71	3.41	4.38	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	14	22	-	-	1.55	3.09	4.86	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	14	24	-	-	1.47	2.96	5.07	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	18	18	-	-	1.54	3.98	3.98	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	18	22	-	-	1.41	3.64	4.45	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	7	18	24	-	-	1.36	3.49	4.65	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	9	9	-	-	2.50	2.50	2.50	-	-	7.50 (3.0-9.6)	2.07 (0.30-2.70)	3.63	7.5	8.2	A++
	9	9	12	-	-	2.50	2.50	3.50	-	-	8.50 (3.0-10.7)	2.46 (0.30-3.27)	3.45	8.5	8.1	A++
	9	9	14	-	-	2.50	2.50	4.00	-	-	9.00 (3.0-11.0)	2.68 (0.30-3.45)	3.36	9.0	8.1	A++
	9	9	18	-	-	2.38	2.38	4.74	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	9	22	-	-	2.14	2.14	5.22	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	9	24	-	-	2.04	2.04	5.42	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	12	12	-	-	2.50	3.50	3.50	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	12	14	-	-	2.44	3.26	3.80	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	12	18	-	-	2.19	2.92	4.39	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	12	22	-	-	1.99	2.65	4.86	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	12	24	-	-	1.90	2.53	5.07	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	14	14	-	-	2.32	3.59	3.59	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	14	18	-	-	2.09	3.24	4.17	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	14	22	-	-	1.90	2.96	4.64	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	14	24	-	-	1.82	2.83	4.85	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	18	18	-	-	1.90	3.80	3.80	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	18	22	-	-	1.74	3.49	4.27	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	9	18	24	-	-	1.68	3.35	4.47	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	12	12	-	-	3.17	3.17	3.17	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	12	14	-	-	3.00	3.00	3.50	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	12	18	-	-	2.71	2.71	4.08	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	12	22	-	-	2.48	2.48	4.54	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	12	24	-	-	2.38	2.38	4.74	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	14	14	-	-	2.84	3.33	3.33	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	14	18	-	-	2.59	3.02	3.89	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	14	22	-	-	2.38	2.77	4.35	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	14	24	-	-	2.28	2.66	4.56	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	18	18	-	-	2.38	3.56	3.56	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	18	22	-	-	2.19	3.29	4.02	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	12	18	24	-	-	2.11	3.17	4.22	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	14	14	14	-	-	3.17	3.17	3.17	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	14	14	18	-	-	2.89	2.89	3.72	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	14	14	22	-	-	2.66	2.66	4.18	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	14	14	24	-	-	2.56	2.56	4.38	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	14	18	18	-	-	2.66	3.42	3.42	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
	18	18	18	-	-	3.17	3.17	3.17	-	-	9.50 (3.0-11.0)	2.91 (0.30-3.45)	3.27	9.5	8.0	A++
4-unit connection	7	7	7	7	-	2.00	2.00	2.00	2.00	-	8.00 (3.0-10.0)	2.11 (0.30-2.88)	3.80	8.0	8.5	A+++
	7	7	7	9	-	2.00	2.00	2.00	2.50	-	8.50 (3.0-10.7)	2.29 (0.30-3.27)	3.71	8.5	8.4	A++
	7	7	7	12	-	2.00	2.00	2.00	3.50	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	7	14	-	1.90	1.90	1.90	3.80	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	7	18	-	1.71	1.71	1.71	4.37	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	7	22	-	1.55	1.55	1.55	4.85	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	7	24	-	1.48	1.48	1.48	5.06	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	9	9	-	2.00	2.00	2.50	2.50	-	9.00 (3.0-11.0)	2.49 (0.30-3.45)	3.62	9.0	8.4	A++
	7	7	9	12	-	1.90	1.90	2.44	3.26	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	9	14	-	1.80	1.80	2.31	3.59	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	9	18	-	1.62	1.62	2.09	4.17	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	9	22	-	1.48	1.48	1.90	4.64	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	9	24	-	1.41	1.41	1.82	4.86	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	12	12	-	1.75	1.75	3.00	3.00	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	12	14	-	1.66	1.66	2.85	3.33	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	12	18	-	1.51	1.51	2.59	3.89	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	12	22	-	1.39	1.39	2.38	4.34	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	12	24	-	1.33	1.33	2.28	4.56	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	14	14	-	1.58	1.58	3.17	3.17	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	14	18	-	1.45	1.45	2.89	3.71	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	14	22	-	1.33	1.33	2.66	4.18	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	14	24	-	1.28	1.28	2.56	4.38	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	7	18	18	-	1.33	1.33	3.42	3.42	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	9	9	-	2.00	2.50	2.50	2.50	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	9	12	-	1.80	2.31	2.31	3.08	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	9	14	-	1.71	2.19	2.19	3.41	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	9	18	-	1.54	1.99	1.99	3.98	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	9	22	-	1.41	1.82	1.82	4.45	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	9	24	-	1.36	1.74	1.74	4.66	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	12	12	-	1.66	2.14	2.85	2.85	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	12	14	-	1.58	2.04	2.71	3.17	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	12	18	-	1.44	1.86	2.48	3.72	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	12	22	-	1.33	1.71	2.28	4.18	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	12	24	-	1.28	1.64	2.19	4.39	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	14	14	-	1.51	1.95	3.02	3.02	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	14	18	-	1.39	1.78	2.77	3.56	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	14	22	-	1.28	1.64	2.56	4.02	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	14	24	-	1.23	1.58	2.46	4.23	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	9	18	18	-	1.28	1.64	3.29	3.29	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	12	12	12	-	1.55	2.65	2.65	2.65	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	12	12	14	-	1.48	2.53	2.53	2.96	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	12	12	18	-	1.35	2.33	2.33	3.49	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	12	14	14	-	1.41	2.43	2.83	2.83	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	12	14	18	-	1.30	2.24	2.61	3.35	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	7	14	14	14	-	1.37	2.71	2.71	2.71	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++

5-unit Multi-split cooling

AOEG36KBTA5	Combination of Indoor Units					Cooling Operation										
						Cooling Capacity						Input Power (Min. - Max.)	EER	Seasonal Data		
						Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Total Capacity (Min. - Max.)			Pdesign	SEER	Energy efficiency
						kW	kW	kW	kW	kW	kW	kW		kW		
4-unit connection	7	14	14	18	-	1.25	2.51	2.51	3.23	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	9	9	-	2.38	2.38	2.38	2.38	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	9	12	-	2.19	2.19	2.19	2.93	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	9	14	-	2.09	2.09	2.09	3.23	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	9	18	-	1.90	1.90	1.90	3.80	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	9	22	-	1.74	1.74	1.74	4.28	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	9	24	-	1.68	1.68	1.68	4.46	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	12	12	-	2.04	2.04	2.71	2.71	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	12	14	-	1.94	1.94	2.59	3.03	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	12	18	-	1.78	1.78	2.38	3.56	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	12	22	-	1.64	1.64	2.19	4.03	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	12	24	-	1.58	1.58	2.11	4.23	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	14	14	-	1.86	1.86	2.89	2.89	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	14	18	-	1.71	1.71	2.66	3.42	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	9	18	18	-	1.58	1.58	3.17	3.17	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	12	12	12	-	1.91	2.53	2.53	2.53	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	12	12	14	-	1.81	2.43	2.43	2.83	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	12	12	18	-	1.67	2.24	2.24	3.35	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	12	14	14	-	1.74	2.34	2.71	2.71	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	12	14	18	-	1.61	2.15	2.51	3.23	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	9	14	14	14	-	1.67	2.61	2.61	2.61	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	12	12	12	12	-	2.38	2.38	2.38	2.38	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	12	12	12	14	-	2.28	2.28	2.28	2.66	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	12	12	12	18	-	2.11	2.11	2.11	3.17	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	12	12	14	14	-	2.19	2.19	2.56	2.56	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
	12	14	14	14	-	2.12	2.46	2.46	2.46	-	9.50 (3.0-11.0)	2.69 (0.30-3.45)	3.53	9.5	8.3	A++
5-unit connection	7	7	7	7	7	1.90	1.90	1.90	1.90	1.90	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	7	9	1.80	1.80	1.80	1.80	2.30	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	7	12	1.66	1.66	1.66	1.66	2.86	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	7	14	1.58	1.58	1.58	1.58	3.18	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	7	18	1.45	1.45	1.45	1.45	3.70	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	7	22*1	1.33	1.33	1.33	1.33	4.18	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	7	24	1.28	1.28	1.28	1.28	4.38	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	9	9	1.70	1.70	1.70	2.20	2.20	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	9	12	1.58	1.58	1.58	2.04	2.72	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	9	14	1.51	1.51	1.51	1.94	3.03	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	9	18	1.39	1.39	1.39	1.77	3.56	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	9	22*1	1.28	1.28	1.28	1.64	4.02	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	9	24	1.23	1.23	1.23	1.58	4.23	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	12	12	1.48	1.48	1.48	2.53	2.53	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	12	14	1.41	1.41	1.41	2.43	2.84	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	12	18	1.30	1.30	1.30	2.24	3.36	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	14	14	1.36	1.36	1.36	2.71	2.71	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9.5	8.5	A+++
	7	7	7	14	18	1.25	1.25	1.25	2.51	3.24	9.50 (3.0-11.0)	2.50 (0.30-3.45)	3.80	9

5-unit Multi-split Combination Table–Heating

5-unit Multi-split heating

AOEG36KBTA5	Combination of Indoor Units					Heating Operation										
						Heating Capacity						Input Power (Min. - Max.)	COP	Seasonal Data		
						Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Total Capacity (Min. - Max.)			Pdesign	SCOP	Energy efficiency
						kW	kW	kW	kW	kW	kW	kW		kW		
2-unit connection	7	24	-	-	-	2.39	8.21	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	9	22	-	-	-	3.00	7.20	-	-	-	10.20 (3.5-12.0)	2.52 (0.25-3.25)	4.04	6.8	4.3	A+
	9	24	-	-	-	2.89	7.71	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	12	22	-	-	-	3.74	6.86	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	12	24	-	-	-	3.53	7.07	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	14	22	-	-	-	4.12	6.48	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	14	24	-	-	-	3.91	6.69	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	18	18	-	-	-	5.30	5.30	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	18	22	-	-	-	4.77	5.83	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	18	24	-	-	-	4.54	6.06	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	22	22	-	-	-	5.30	5.30	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	22	24	-	-	-	5.07	5.53	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
	24	24	-	-	-	5.30	5.30	-	-	-	10.60 (3.5-12.0)	2.65 (0.25-3.25)	4.00	7.0	4.3	A+
3-unit connection	7	7	14	-	-	2.40	2.40	4.80	-	-	9.60 (3.5-11.2)	2.25 (0.25-2.87)	4.26	6.5	4.5	A+
	7	7	18	-	-	2.32	2.32	5.96	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	7	22	-	-	2.06	2.06	6.48	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	7	24	-	-	1.95	1.95	6.70	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	9	12	-	-	2.40	3.00	4.20	-	-	9.60 (3.5-11.2)	2.25 (0.25-2.87)	4.26	6.5	4.5	A+
	7	9	14	-	-	2.40	3.00	4.80	-	-	10.20 (3.5-12.0)	2.42 (0.25-3.25)	4.21	6.8	4.4	A+
	7	9	18	-	-	2.18	2.81	5.61	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	9	22	-	-	1.95	2.51	6.14	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	9	24	-	-	1.85	2.39	6.36	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	12	12	-	-	2.40	4.10	4.10	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	12	14	-	-	2.25	3.85	4.50	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	12	18	-	-	2.00	3.44	5.16	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	12	22	-	-	1.81	3.10	5.69	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	12	24	-	-	1.72	2.96	5.92	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	14	14	-	-	2.12	4.24	4.24	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	14	18	-	-	1.90	3.81	4.89	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	14	22	-	-	1.73	3.45	5.42	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	14	24	-	-	1.65	3.30	5.65	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	18	18	-	-	1.72	4.44	4.44	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	18	22	-	-	1.58	4.06	4.96	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	7	18	24	-	-	1.51	3.89	5.20	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	9	9	-	-	3.00	3.00	3.00	-	-	9.00 (3.5-10.8)	2.09 (0.25-2.70)	4.31	6.0	4.5	A+
	9	9	12	-	-	3.00	3.00	4.20	-	-	10.20 (3.5-12.0)	2.42 (0.25-3.25)	4.21	6.8	4.4	A+
	9	9	14	-	-	2.98	2.98	4.64	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	9	18	-	-	2.65	2.65	5.30	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	9	22	-	-	2.39	2.39	5.82	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	9	24	-	-	2.27	2.27	6.06	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	12	12	-	-	2.90	3.85	3.85	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	12	14	-	-	2.73	3.63	4.24	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	12	18	-	-	2.45	3.26	4.89	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	12	22	-	-	2.22	2.96	5.42	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	12	24	-	-	2.12	2.83	5.65	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	14	14	-	-	2.58	4.01	4.01	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	14	18	-	-	2.33	3.62	4.65	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	14	22	-	-	2.12	3.30	5.18	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	14	24	-	-	2.03	3.16	5.41	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	18	18	-	-	2.12	4.24	4.24	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	18	22	-	-	1.95	3.89	4.76	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	9	18	24	-	-	1.87	3.74	4.99	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	12	12	-	-	3.53	3.53	3.53	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	12	14	-	-	3.35	3.35	3.90	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	12	18	-	-	3.03	3.03	4.54	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	12	22	-	-	2.77	2.77	5.06	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	12	24	-	-	2.65	2.65	5.30	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	14	14	-	-	3.18	3.71	3.71	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	14	18	-	-	2.89	3.37	4.34	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	14	22	-	-	2.65	3.09	4.86	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	14	24	-	-	2.54	2.97	5.09	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	18	18	-	-	2.64	3.98	3.98	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	18	22	-	-	2.45	3.67	4.48	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	12	18	24	-	-	2.36	3.53	4.71	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	14	14	14	-	-	3.53	3.53	3.53	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	14	14	18	-	-	3.23	3.23	4.14	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	14	14	22	-	-	2.97	2.97	4.66	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	14	14	24	-	-	2.85	2.85	4.90	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	14	18	18	-	-	2.96	3.82	3.82	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
	18	18	18	-	-	3.53	3.53	3.53	-	-	10.60 (3.5-12.0)	2.54 (0.25-3.25)	4.18	7.0	4.4	A+
4-unit connection	7	7	7	7	-	2.40	2.40	2.40	2.40	-	9.60 (3.5-11.2)	2.17 (0.25-2.87)	4.42	6.5	4.6	A++
	7	7	7	9	-	2.40	2.40	2.40	3.00	-	10.20 (3.5-12.0)	2.33 (0.25-3.25)	4.37	6.8	4.5	A+
	7	7	7	12	-	2.25	2.25	2.25	3.85	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	7	14	-	2.12	2.12	2.12	4.24	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	7	18	-	1.90	1.90	1.90	4.90	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	7	22	-	1.73	1.73	1.73	5.41	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	7	24	-	1.65	1.65	1.65	5.65	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	9	9	-	2.32	2.32	2.98	2.98	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	9	12	-	2.12	2.12	2.73	3.63	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	9	14	-	2.01	2.01	2.57	4.01	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	9	18	-	1.81	1.81	2.33	4.65	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	9	22	-	1.65	1.65	2.12	5.18	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	9	24	-	1.58	1.58	2.03	5.41	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	12	12	-	1.95	1.95	3.35	3.35	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	12	14	-	1.86	1.86	3.17	3.71	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	12	18	-	1.69	1.69	2.88	4.34	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	12	22	-	1.55	1.55	2.64	4.86	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	12	24	-	1.48	1.48	2.54	5.10	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	14	14	-	1.77	1.77	3.53	3.53	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	14	18	-	1.61	1.61	3.23	4.15	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	14	22	-	1.48	1.48	2.97	4.67	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	14	24	-	1.43	1.43	2.85	4.89	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	7	18	18	-	1.48	1.48	3.82	3.82	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	9	9	-	2.17	2.81	2.81	2.81	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	9	12	-	2.00	2.58	2.58	3.44	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	9	14	-	1.89	2.45	2.45	3.81	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	9	18	-	1.72	2.22	2.22	4.44	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	9	22	-	1.58	2.03	2.03	4.96	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	9	24	-	1.51	1.95	1.95	5.19	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	12	12	-	1.85	2.39	3.18	3.18	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	12	14	-	1.77	2.27	3.03	3.53	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	12	18	-	1.61	2.07	2.77	4.15	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	12	22	-	1.48	1.91	2.54	4.67	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	12	24	-	1.43	1.83	2.45	4.89	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	14	14	-	1.69	2.17	3.37	3.37	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	14	18	-	1.54	1.99	3.09	3.98	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	14	22	-	1.43	1.83	2.85	4.49	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	14	24	-	1.37	1.77	2.75	4.71	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	9	18	18	-	1.43	1.83	3.67	3.67	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	12	12	12	-	1.72	2.96	2.96	2.96	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	12	12	14	-	1.64	2.83	2.83	3.30	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	12	12	18	-	1.51	2.60	2.60	3.89	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	12	14	14	-	1.57	2.71	3.16	3.16	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	12	14	18	-	1.45	2.49	2.91	3.75	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	7	14	14	14	-	1.51	3.03	3.03	3.03	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+

5-unit Multi-split heating

AOEG36KBTA5	Combination of Indoor Units					Heating Operation										
						Heating Capacity						Input Power (Min. - Max.)	COP	Seasonal Data		
						Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Total Capacity (Min. - Max.)			Pdesign	SCOP	Energy efficiency
						kW	kW	kW	kW	kW	kW	kW		kW		
4-unit connection	7	14	14	18	-	1.40	2.80	2.80	3.60	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	9	9	-	2.65	2.65	2.65	2.65	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	9	12	-	2.45	2.45	2.45	3.25	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	9	14	-	2.33	2.33	2.33	3.61	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	9	18	-	2.12	2.12	2.12	4.24	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	9	22	-	1.95	1.95	1.95	4.75	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	9	24	-	1.87	1.87	1.87	4.99	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	12	12	-	2.27	2.27	3.03	3.03	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	12	14	-	2.17	2.17	2.89	3.37	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	12	18	-	1.99	1.99	2.64	3.98	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	12	22	-	1.83	1.83	2.45	4.49	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	12	24	-	1.77	1.77	2.35	4.71	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	14	14	-	2.07	2.07	3.23	3.23	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	14	18	-	1.91	1.91	2.96	3.82	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	9	18	18	-	1.77	1.77	3.53	3.53	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	12	12	12	-	2.11	2.83	2.83	2.83	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	12	12	14	-	2.02	2.71	2.71	3.16	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	12	12	18	-	1.87	2.49	2.49	3.75	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	12	14	14	-	1.94	2.60	3.03	3.03	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	12	14	18	-	1.80	2.40	2.80	3.60	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	9	14	14	14	-	1.87	2.91	2.91	2.91	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	12	12	12	12	-	2.65	2.65	2.65	2.65	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	12	12	12	14	-	2.54	2.54	2.54	2.98	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	12	12	12	18	-	2.36	2.36	2.36	3.52	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	12	12	14	14	-	2.45	2.45	2.85	2.85	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
	12	14	14	14	-	2.35	2.75	2.75	2.75	-	10.60 (3.5-12.0)	2.44 (0.25-3.25)	4.34	7.0	4.5	A+
5-unit connection	7	7	7	7	7	2.12	2.12	2.12	2.12	2.12	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	7	9	2.01	2.01	2.01	2.01	2.56	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	7	12	1.86	1.86	1.86	1.86	3.16	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	7	14	1.77	1.77	1.77	1.77	3.52	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	7	18	1.61	1.61	1.61	1.61	4.16	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	7	22*1	1.48	1.48	1.48	1.48	4.68	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	7	24	1.43	1.43	1.43	1.43	4.88	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	9	9	1.90	1.90	1.90	2.45	2.45	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	9	12	1.77	1.77	1.77	2.26	3.03	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	9	14	1.69	1.69	1.69	2.16	3.37	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	9	18	1.55	1.55	1.55	1.99	3.96	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	9	22*1	1.43	1.43	1.43	1.83	4.48	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	9	24	1.37	1.37	1.37	1.77	4.72	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	12	12	1.64	1.64	1.64	2.84	2.84	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	12	14	1.58	1.58	1.58	2.70	3.16	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	12	18	1.45	1.45	1.45	2.49	3.76	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	14	14	1.52	1.52	1.52	3.02	3.02	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7	7	14	18	1.40	1.40	1.40	2.80	3.60	10.60 (3.5-12.0)	2.36 (0.25-3.25)	4.50	7.0	4.6	A++
	7	7

6-unit Multi-split Combination Table-Cooling

6-unit Multi-split cooling

AOYG45LBLA6	Combination of Indoor Units						Cooling Operation								
							Cooling Capacity							Input Power (Min. - Max.)	EER
							Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Total Capacity (Min. - Max.)		
							kW	kW	kW	kW	kW	kW	kW	kW	
2-unit connection	12	24	-	-	-	-	3.50	7.00	-	-	-	-	10.5 (3.5-11.5)	3.06 (0.8-3.32)	3.43
	14	24	-	-	-	-	4.00	7.00	-	-	-	-	11.0 (3.5-12.1)	3.28 (0.8-3.70)	3.35
	18	18	-	-	-	-	5.00	5.00	-	-	-	-	10.0 (3.5-11.5)	2.92 (0.8-3.32)	3.42
	18	24	-	-	-	-	5.00	7.00	-	-	-	-	12.0 (3.5-13.4)	3.75 (0.8-4.46)	3.20
	24	24	-	-	-	-	6.25	6.25	-	-	-	-	12.5 (3.5-14.0)	4.01 (0.8-4.84)	3.12
3-unit connection	7	7	24	-	-	-	2.00	2.00	7.00	-	-	-	11.0 (3.5-12.1)	3.19 (0.8-3.70)	3.45
	7	9	18	-	-	-	2.00	2.50	5.00	-	-	-	9.5 (3.5-10.8)	2.55 (0.8-2.93)	3.73
	7	9	24	-	-	-	2.00	2.50	7.00	-	-	-	11.5 (3.5-12.7)	3.41 (0.8-4.08)	3.37
	7	12	18	-	-	-	2.00	3.50	5.00	-	-	-	10.5 (3.5-11.8)	3.02 (0.8-3.51)	3.48
	7	12	24	-	-	-	2.00	3.50	6.90	-	-	-	12.4 (3.5-13.7)	3.82 (0.8-4.65)	3.25
	7	14	14	-	-	-	2.00	4.00	4.00	-	-	-	10.0 (3.5-11.1)	2.81 (0.8-3.13)	3.56
	7	14	18	-	-	-	2.00	4.00	5.00	-	-	-	11.0 (3.5-12.4)	3.23 (0.8-3.89)	3.41
	7	14	24	-	-	-	1.94	3.89	6.67	-	-	-	12.5 (3.5-14.0)	3.89 (0.8-4.84)	3.21
	7	18	18	-	-	-	2.00	5.00	5.00	-	-	-	12.0 (3.5-13.7)	3.69 (0.8-4.65)	3.25
	7	18	24	-	-	-	1.79	4.59	6.12	-	-	-	12.5 (3.5-14.0)	3.87 (0.8-4.84)	3.23
	7	24	24	-	-	-	1.60	5.45	5.45	-	-	-	12.5 (3.5-14.0)	3.83 (0.8-4.84)	3.26
	9	9	18	-	-	-	2.50	2.50	5.00	-	-	-	10.0 (3.5-11.5)	2.84 (0.8-3.32)	3.52
	9	9	24	-	-	-	2.50	2.50	7.00	-	-	-	12.0 (3.5-13.4)	3.65 (0.8-4.46)	3.29
	9	12	14	-	-	-	2.50	3.50	4.00	-	-	-	10.0 (3.5-11.1)	2.81 (0.8-3.13)	3.56
	9	12	18	-	-	-	2.50	3.50	5.00	-	-	-	11.0 (3.5-12.4)	3.23 (0.8-3.89)	3.41
	9	12	24	-	-	-	2.50	3.33	6.67	-	-	-	12.5 (3.5-14.0)	3.89 (0.8-4.84)	3.21
	9	14	14	-	-	-	2.50	4.00	4.00	-	-	-	10.5 (3.5-11.8)	3.02 (0.8-3.51)	3.48
	9	14	18	-	-	-	2.50	4.00	5.00	-	-	-	11.5 (3.5-13.0)	3.45 (0.8-4.27)	3.33
	9	14	24	-	-	-	2.40	3.72	6.38	-	-	-	12.5 (3.5-14.0)	3.88 (0.8-4.84)	3.22
	9	18	18	-	-	-	2.50	5.00	5.00	-	-	-	12.5 (3.5-14.0)	3.89 (0.8-4.84)	3.21
	9	18	24	-	-	-	2.21	4.41	5.88	-	-	-	12.5 (3.5-14.0)	3.86 (0.8-4.84)	3.24
	9	24	24	-	-	-	1.98	5.26	5.26	-	-	-	12.5 (3.5-14.0)	3.82 (0.8-4.84)	3.27
	12	12	12	-	-	-	3.50	3.50	3.50	-	-	-	10.5 (3.5-11.5)	2.98 (0.8-3.32)	3.52
	12	12	14	-	-	-	3.50	3.50	4.00	-	-	-	11.0 (3.5-12.1)	3.19 (0.8-3.70)	3.45
	12	12	18	-	-	-	3.50	3.50	5.00	-	-	-	12.0 (3.5-13.4)	3.65 (0.8-4.46)	3.29
	12	12	24	-	-	-	3.13	3.13	6.24	-	-	-	12.5 (3.5-14.0)	3.87 (0.8-4.84)	3.23
	12	14	14	-	-	-	3.50	4.00	4.00	-	-	-	11.5 (3.5-12.7)	3.41 (0.8-4.08)	3.37
	12	14	18	-	-	-	3.50	4.00	5.00	-	-	-	12.5 (3.5-14.0)	3.89 (0.8-4.84)	3.21
	12	14	24	-	-	-	3.00	3.50	6.00	-	-	-	12.5 (3.5-14.0)	3.86 (0.8-4.84)	3.24
	12	18	18	-	-	-	3.12	4.69	4.69	-	-	-	12.5 (3.5-14.0)	3.87 (0.8-4.84)	3.23
	12	18	24	-	-	-	2.78	4.17	5.55	-	-	-	12.5 (3.5-14.0)	3.85 (0.8-4.84)	3.25
	12	24	24	-	-	-	2.50	5.00	5.00	-	-	-	12.5 (3.5-14.0)	3.81 (0.8-4.84)	3.28
	14	14	14	-	-	-	4.00	4.00	4.00	-	-	-	12.0 (3.5-13.4)	3.65 (0.8-4.46)	3.29
	14	14	18	-	-	-	3.80	3.80	4.90	-	-	-	12.5 (3.5-14.0)	3.88 (0.8-4.84)	3.22
	14	14	24	-	-	-	3.37	3.37	5.76	-	-	-	12.5 (3.5-14.0)	3.85 (0.8-4.84)	3.25
	14	18	18	-	-	-	3.50	4.50	4.50	-	-	-	12.5 (3.5-14.0)	3.86 (0.8-4.84)	3.24
	14	18	24	-	-	-	3.13	4.02	5.35	-	-	-	12.5 (3.5-14.0)	3.83 (0.8-4.84)	3.26
	14	24	24	-	-	-	2.82	4.84	4.84	-	-	-	12.5 (3.5-14.0)	3.80 (0.8-4.84)	3.29
	18	18	18	-	-	-	4.17	4.17	4.17	-	-	-	12.5 (3.5-14.0)	3.85 (0.8-4.84)	3.25
	18	18	24	-	-	-	3.75	3.75	5.00	-	-	-	12.5 (3.5-14.0)	3.81 (0.8-4.84)	3.28
4-unit connection	7	7	7	14	-	-	2.00	2.00	2.00	4.00	-	-	10.0 (3.5-11.1)	2.50 (0.8-3.13)	4.00
	7	7	7	18	-	-	2.00	2.00	2.00	5.00	-	-	11.0 (3.5-12.4)	3.06 (0.8-3.89)	3.59
	7	7	7	24	-	-	1.94	1.94	1.94	6.68	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	7	7	9	12	-	-	2.00	2.00	2.50	3.50	-	-	10.0 (3.5-11.1)	2.50 (0.8-3.13)	4.00
	7	7	9	14	-	-	2.00	2.00	2.50	4.00	-	-	10.5 (3.5-11.8)	2.79 (0.8-3.51)	3.76
	7	7	9	18	-	-	2.00	2.00	2.50	5.00	-	-	11.5 (3.5-13.0)	3.33 (0.8-4.27)	3.45
	7	7	9	24	-	-	1.86	1.86	2.39	6.39	-	-	12.5 (3.5-14.0)	3.75 (0.8-4.84)	3.33
	7	7	12	12	-	-	2.00	2.00	3.50	3.50	-	-	11.0 (3.5-12.1)	3.00 (0.8-3.70)	3.67
	7	7	12	14	-	-	2.00	2.00	3.50	4.00	-	-	11.5 (3.5-12.7)	3.27 (0.8-4.08)	3.52
	7	7	12	18	-	-	2.00	2.00	3.50	5.00	-	-	12.5 (3.5-14.0)	3.78 (0.8-4.84)	3.31
	7	7	12	24	-	-	1.75	1.75	3.00	6.00	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34
	7	7	14	14	-	-	2.00	2.00	4.00	4.00	-	-	12.0 (3.5-13.4)	3.51 (0.8-4.46)	3.42
	7	7	14	18	-	-	1.90	1.90	3.80	4.90	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	7	7	14	24	-	-	1.68	1.68	3.37	5.77	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	7	7	18	18	-	-	1.75	1.75	4.50	4.50	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34
	7	7	18	24	-	-	1.56	1.56	4.02	5.36	-	-	12.5 (3.5-14.0)	3.70 (0.8-4.84)	3.38
	7	7	24	24	-	-	1.41	1.41	4.84	4.84	-	-	12.5 (3.5-14.0)	3.67 (0.8-4.84)	3.41
	7	9	9	9	-	-	2.00	2.50	2.50	2.50	-	-	9.5 (3.5-10.8)	2.31 (0.8-2.93)	4.11
	7	9	9	12	-	-	2.00	2.50	2.50	3.50	-	-	10.5 (3.5-11.8)	2.79 (0.8-3.51)	3.76
	7	9	9	14	-	-	2.00	2.50	2.50	4.00	-	-	11.0 (3.5-12.4)	3.06 (0.8-3.89)	3.59
	7	9	9	18	-	-	2.00	2.50	2.50	5.00	-	-	12.0 (3.5-13.7)	3.57 (0.8-4.65)	3.36
	7	9	9	24	-	-	1.79	2.30	2.30	6.11	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34
	7	9	12	12	-	-	2.00	2.50	3.50	3.50	-	-	11.5 (3.5-12.7)	3.27 (0.8-4.08)	3.52
	7	9	12	14	-	-	2.00	2.50	3.50	4.00	-	-	12.0 (3.5-13.4)	3.51 (0.8-4.46)	3.42
	7	9	12	18	-	-	1.90	2.45	3.26	4.89	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	7	9	12	24	-	-	1.68	2.16	2.88	5.78	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	7	9	14	14	-	-	2.00	2.50	4.00	4.00	-	-	12.5 (3.5-14.0)	3.78 (0.8-4.84)	3.31
	7	9	14	18	-	-	1.82	2.34	3.65	4.69	-	-	12.5 (3.5-14.0)	3.75 (0.8-4.84)	3.33
	7	9	14	24	-	-	1.62	2.08	3.24	5.56	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	7	9	18	18	-	-	1.68	2.16	4.33	4.33	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	7	9	18	24	-	-	1.51	1.94	3.88	5.17	-	-	12.5 (3.5-14.0)	3.69 (0.8-4.84)	3.39
	7	12	12	12	-	-	1.90	3.50	3.50	3.50	-	-	12.4 (3.5-13.7)	3.69 (0.8-4.65)	3.36
	7	12	12	14	-	-	1.94	3.33	3.33	3.90	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	7	12	12	18	-	-	1.79	3.06	3.06	4.59	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34
	7	12	12	24	-	-	1.59	2.73	2.73	5.45	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	7	12	14	14	-	-	1.87	3.19	3.72	3.72	-	-	12.5 (3.5-14.0)	3.75 (0.8-4.84)	3.33
	7	12	14	18	-	-	1.72	2.94	3.43	4.41	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	7	12	14	24	-	-	1.54	2.63	3.07	5.26	-	-	12.5 (3.5-14.0)	3.70 (0.8-4.84)	3.38
	7	12	18	18	-	-	1.59	2.73	4.09	4.09	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	7	12	18	24	-	-	1.43	2.46	3.69	4.92	-	-	12.5 (3.5-14.0)	3.68 (0.8-4.84)	3.40
	7	14	14	14	-	-	1.79	3.57	3.57	3.57	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34
	7	14	14	18	-	-	1.65	3.30	3.30	4.25	-	-	12.5 (3.5-14.0)	3.72 (0.8-4.84)	3.36
	7	14	14	24	-	-	1.48	2.97	2.97	5.08	-	-	12.5 (3.5-14.0)	3.69 (0.8-4.84)	3.39
	7	14	18	18	-	-	1.53	3.07	3.95	3.95	-	-	12.5 (3.5-14.0)	3.70 (0.8-4.84)	3.38
	7	18	18	18	-	-	1.43	3.69	3.69	3.69	-	-	12.5 (3.5-14.0)	3.68 (0.8-4.84)	3.40
	9	9	9	9	-	-	2.50	2.50	2.50	2.50	-	-	10.0 (3.5-11.5)	2.59 (0.8-3.32)	3.86
	9	9	9	12	-	-	2.50	2.50	2.50	3.50	-	-	11.0 (3.5-12.4)	3.06 (0.8-3.89)	3.59
	9	9	9	14	-	-	2.50	2.50	2.50	4.00	-	-	11.5 (3.5-13.0)	3.33 (0.8-4.27)	3.45
	9	9	9	18	-	-	2.50	2.50	2.50	5.00	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	9	9	9	24	-	-	2.21	2.21	2.21	5.87	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	9	9	12	12	-	-	2.50	2.50	3.50	3.50	-	-	12.0 (3.5-13.4)	3.51 (0.8-4.46)	3.42
	9	9	12	14	-	-	2.50	2.50	3.50	4.00	-	-	12.5 (3.5-14.0)	3.78 (0.8-4.84)	3.31
	9	9	12	18	-	-	2.34	2.34	3.13	4.69	-	-	12.5 (3.5-14.0)	3.75 (0.8-4.84)	3.33
	9	9	12	24	-	-	2.08	2.08	2.78	5.56	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	9	9	14	14	-	-	2.45	2.45	3.80	3.80	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	9	9	14	18	-	-	2.25	2.25	3.50	4.50	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34
	9	9	14	24	-	-	2.01	2.01	3.13	5.35	-	-	12.5 (3.5-14.0)	3.70 (0.8-4.84)	3.38
	9	9	18	18	-	-	2.08	2.08	4.17	4.17	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	9	9	18	24	-	-	1.88	1.88	3.75	4.99	-	-	12.5 (3.5-14.0)	3.68 (0.8-4.84)	3.40
	9	12	12	12	-	-	2.51	3.33	3.33	3.33	-	-	12.5 (3.5-14.0)	3.77 (0.8-4.84)	3.32
	9	12	12	14	-	-	2.39	3.19	3.19	3.73	-	-	12.5 (3.5-14.0)	3.75 (0.8-4.84)	3.33
	9	12	12	18	-	-	2.21	2.94	2.94	4.41	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	9	12	12	24	-	-	1.97	2.63	2.63	5.27	-	-	12.5 (3.5-14.0)	3.70 (0.8-4.84)	3.38
	9	12	14	14	-	-	2.30	3.06	3.57	3.57	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34
	9	12	14	18	-	-	2.12	2.83	3.30	4.25	-	-	12.5 (3.5-14.0)	3.72 (0.8-4.84)	3.36
	9	12	14	24	-	-	1.91	2.54	2.97	5.08	-	-	12.5 (3.5-14.0)	3.69 (0.8-4.84)	3.39
	9	12	18	18	-	-	1.97	2.63	3.95	3.95	-	-	12.5 (3.5-14.0)	3.70 (0.8-4.84)	3.38
	9	14	14	14	-	-	2.21	3.43	3.43	3.43	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	9	14	14	18	-	-	2.05	3.18	3.18	4.09	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	9	14	14	24	-	-	1.84	2.87	2.87	4.92	-	-	12.5 (3.5-14.0)	3.68 (0.8-4.84)	3.40
	9	14	18	18	-	-	1.91	2.97	3.81	3.81	-	-	12.5 (3.5-14.0)	3.69 (0.8-4.84)	3.39

6-unit Multi-split cooling

AOYG45LBLA6	Combination of Indoor Units						Cooling Operation								
							Cooling Capacity							Input Power (Min. - Max.)	EER
							Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Total Capacity (Min. - Max.)		
							kW	kW	kW	kW	kW	kW	kW	kW	
4-unit connection	12	12	12	12	-	-	3.13	3.13	3.13	3.13	-	-	12.5 (3.5-14.0)	3.75 (0.8-4.84)	3.33
	12	12	12	14	-	-	3.00	3.00	3.00	3.50	-	-	12.5 (3.5-14.0)	3.74 (0.8-4.84)	3.34
	12	12	12	18	-	-	2.78	2.78	2.78	4.16	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	12	12	12	24	-	-	2.50	2.50	2.50	5.00	-	-	12.5 (3.5-14.0)	3.68 (0.8-4.84)	3.40
	12	12	14	14	-	-	2.88	2.88	3.37	3.37	-	-	12.5 (3.5-14.0)	3.73 (0.8-4.84)	3.35
	12	12	14	18	-	-	2.68	2.68	3.13	4.01	-	-	12.5 (3.5-14.0)	3.70 (0.8-4.84)	3.38
	12	12	14	24	-	-	2.42	2.42	2.82	4.84	-	-	12.5 (3.5-14.0)	3.67 (0.8-4.84)	3.41
	12	12	18	18	-	-	2.50	2.50	3.75	3.75	-	-	12.5 (3.5-14.0)	3.68 (0.8-4.84)	3.40
	12	14	14	14	-	-	2.78	3.24	3.24	3.24	-	-	12.5 (3.5-14.0)	3.71 (0.8-4.84)	3.37
	12	14	14	18	-	-	2.59	3.02	3.02	3.87	-	-	12.5 (3.5-14.0)	3.69 (0.8-4.84)	3.39
	12	14	18	18	-	-	2.42	2.82	3.63	3.63	-	-	12.5 (3.5-14.0)	3.67 (0.8-4.84)	3.41
5-unit connection	7	7	7	7	7	-	2.00	2.00	2.00	2.00	2.00	-	10.0 (3.5-11.1)	2.44 (0.8-3.13)	4.10
	7	7	7	7	9	-	2.00	2.00	2.00	2.00	2.50	-	10.5 (3.5-11.8)	2.72 (0.8-3.51)	3.86
	7	7	7	7	12	-	2.00	2.00	2.00	2.00	3.50	-	11.5 (3.5-12.7)	3.18 (0.8-4.08)	3.62
	7	7	7	7	14	-	2.00	2.00	2.00	2.00	4.00	-	12.0 (3.5-13.4)	3.41 (0.8-4.46)	3.52
	7	7	7	7	18	-	1.90	1.90	1.90	1.90	4.90	-	12.5 (3.5-14.0)	3.65 (0.8-4.84)	3.42
	7	7	7	7	24	-	1.68	1.68	1.68	1.68	5.78	-	12.5 (3.5-14.0)	3.61 (0.8-4.84)	3.46
	7	7	7	9	9	-	2.00	2.00	2.00	2.50	2.50	-	11.0 (3.5-12.4)	2.98 (0.8-3.89)	3.69
	7	7	7	9	12	-	2.00	2.00	2.00	2.50	3.50	-	12.0 (3.5-13.4)	3.41 (0.8-4.46)	3.52
	7	7	7	9	14	-	2.00	2.00	2.00	2.50	4.00	-	12.5 (3.5-14.0)	3.67 (0.8-4.84)	3.41
	7	7	7	9	18	-	1.82	1.82	1.82	2.34	4.70	-	12.5 (3.5-14.0)	3.64 (0.8-4.84)	3.43
	7	7	7	9	24	-	1.62	1.62	1.62	2.08	5.56	-	12.5 (3.5-14.0)	3.60 (0.8-4.84)	3.47
	7	7	7	12	12	-	1.94	1.94	1.94	3.34	3.34	-	12.5 (3.5-14.0)	3.65 (0.8-4.84)	3.42
	7	7	7	12	14	-	1.86	1.86	1.86	3.19	3.73	-	12.5 (3.5-14.0)	3.64 (0.8-4.84)	3.43
	7	7	7	12	18	-	1.72	1.72	1.72	2.94	4.40	-	12.5 (3.5-14.0)	3.62 (0.8-4.84)	3.45
	7	7	7	12	24	-	1.54	1.54	1.54	2.63	5.25	-	12.5 (3.5-14.0)	3.58 (0.8-4.84)	3.49
	7	7	7	14	14	-	1.79	1.79	1.79	3.57	3.57	-	12.5 (3.5-14.0)	3.63 (0.8-4.84)	3.44
	7	7	7	14	18	-	1.65	1.65	1.65	3.30	4.25	-	12.5 (3.5-14.0)	3.60 (0.8-4.84)	3.47
	7	7	7	14	24	-	1.48	1.48	1.48	2.97	5.09	-	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50
	7	7	7	18	18	-	1.54	1.54	1.54	3.94	3.94	-	12.5 (3.5-14.0)	3.58 (0.8-4.84)	3.49
	7	7	9	9	9	-	2.00	2.00	2.50	2.50	2.50	-	11.5 (3.5-13.0)	3.24 (0.8-4.27)	3.55
	7	7	9	9	12	-	2.00	2.00	2.50	2.50	3.50	-	12.5 (3.5-14.0)	3.67 (0.8-4.84)	3.41
	7	7	9	9	14	-	1.90	1.90	2.45	2.45	3.80	-	12.5 (3.5-14.0)	3.65 (0.8-4.84)	3.42
	7	7	9	9	18	-	1.75	1.75	2.25	2.25	4.50	-	12.5 (3.5-14.0)	3.62 (0.8-4.84)	3.45
	7	7	9	9	24	-	1.56	1.56	2.01	2.01	5.36	-	12.5 (3.5-14.0)	3.59 (0.8-4.84)	3.48
	7	7	9	12	12	-	1.86	1.86	2.40	3.19	3.19	-	12.5 (3.5-14.0)	3.64 (0.8-4.84)	3.43
	7	7	9	12	14	-	1.79	1.79	2.30	3.06	3.56	-	12.5 (3.5-14.0)	3.63 (0.8-4.84)	3.44
	7	7	9	12	18	-	1.65	1.65	2.12	2.83	4.25	-	12.5 (3.5-14.0)	3.60 (0.8-4.84)	3.47
	7	7	9	12	24	-	1.48	1.48	1.91	2.54	5.09	-	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50
	7	7	9	14	14	-	1.72	1.72	2.20	3.43	3.43	-	12.5 (3.5-14.0)	3.62 (0.8-4.84)	3.45
	7	7	9	14	18	-	1.59	1.59	2.05	3.18	4.09	-	12.5 (3.5-14.0)	3.59 (0.8-4.84)	3.48
	7	7	9	14	24	-	1.43	1.43	1.84	2.87	4.93	-	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51
	7	7	9	18	18	-	1.48	1.48	1.92	3.81	3.81	-	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50
	7	7	12	12	12	-	1.75	1.75	3.00	3.00	3.00	-	12.5 (3.5-14.0)	3.62 (0.8-4.84)	3.45
	7	7	12	12	14	-	1.68	1.68	2.88	2.88	3.38	-	12.5 (3.5-14.0)	3.61 (0.8-4.84)	3.46
	7	7	12	12	18	-	1.56	1.56	2.68	2.68	4.02	-	12.5 (3.5-14.0)	3.59 (0.8-4.84)	3.48
	7	7	12	12	24	-	1.41	1.41	2.42	2.42	4.84	-	12.5 (3.5-14.0)	3.55 (0.8-4.84)	3.52
	7	7	12	14	14	-	1.62	1.62	2.78	3.24	3.24	-	12.5 (3.5-14.0)	3.60 (0.8-4.84)	3.47
	7	7	12	14	18	-	1.51	1.51	2.59	3.02	3.87	-	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50
	7	7	12	18	18	-	1.41	1.41	2.42	3.63	3.63	-	12.5 (3.5-14.0)	3.55 (0.8-4.84)	3.52
	7	7	14	14	14	-	1.56	1.56	3.13	3.13	3.13	-	12.5 (3.5-14.0)	3.59 (0.8-4.84)	3.48
	7	7	14	14	18	-	1.46	1.46	2.92	2.92	3.74	-	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51
	7	9	9	9	9	-	2.00	2.50	2.50	2.50	2.50	-	12.0 (3.5-13.7)	3.47 (0.8-4.65)	3.46
	7	9	9	9	12	-	1.90	2.45	2.45	2.45	3.25	-	12.5 (3.5-14.0)	3.65 (0.8-4.84)	3.42
	7	9	9	9	14	-	1.82	2.34	2.34	2.34	3.66	-	12.5 (3.5-14.0)	3.64 (0.8-4.84)	3.43
	7	9	9	9	18	-	1.68	2.16	2.16	2.16	4.34	-	12.5 (3.5-14.0)	3.61 (0.8-4.84)	3.46
	7	9	9	9	24	-	1.51	1.94	1.94	1.94	5.17	-	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50
	7	9	9	12	12	-	1.78	2.30	2.30	3.06	3.06	-	12.5 (3.5-14.0)	3.63 (0.8-4.84)	3.44
	7	9	9	12	14	-	1.72	2.21	2.21	2.94	3.42	-	12.5 (3.5-14.0)	3.62 (0.8-4.84)	3.45
	7	9	9	12	18	-	1.59	2.05	2.05	2.73	4.08	-	12.5 (3.5-14.0)	3.59 (0.8-4.84)	3.48
	7	9	9	12	24	-	1.43	1.84	1.84	2.46	4.93	-	12.5

6-unit Multi-split Multi Combination Table-Cooling/Heating

6-unit Multi-split cooling

AOYG45LBLA6	Combination of Indoor Units						Cooling Operation								
							Cooling Capacity							Input Power (Min. - Max.)	EER
							Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Total Capacity (Min. - Max.)		
							kW	kW	kW	kW	kW	kW	kW	kW	
6-unit connection	7	7	7	7	7	7	2.00	2.00	2.00	2.00	2.00	2.00	12.0 (3.5-13.4)	3.32 (0.8-4.46)	3.61
	7	7	7	7	7	9	2.00	2.00	2.00	2.00	2.00	2.50	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50
	7	7	7	7	7	12	1.86	1.86	1.86	1.86	1.86	3.20	12.5 (3.5-14.0)	3.55 (0.8-4.84)	3.52
	7	7	7	7	7	14	1.79	1.79	1.79	1.79	1.79	3.55	12.5 (3.5-14.0)	3.54 (0.8-4.84)	3.53
	7	7	7	7	7	18	1.65	1.65	1.65	1.65	1.65	4.25	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56
	7	7	7	7	7	24	1.48	1.48	1.48	1.48	1.48	5.10	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59
	7	7	7	7	9	9	1.90	1.90	1.90	1.90	2.45	2.45	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51
	7	7	7	7	9	12	1.79	1.79	1.79	1.79	2.29	3.05	12.5 (3.5-14.0)	3.54 (0.8-4.84)	3.53
	7	7	7	7	9	14	1.72	1.72	1.72	1.72	2.20	3.42	12.5 (3.5-14.0)	3.53 (0.8-4.84)	3.54
	7	7	7	7	9	18	1.59	1.59	1.59	1.59	2.05	4.09	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57
	7	7	7	7	9	24	1.43	1.43	1.43	1.43	1.85	4.93	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60
	7	7	7	7	12	12	1.68	1.68	1.68	1.68	2.89	2.89	12.5 (3.5-14.0)	3.52 (0.8-4.84)	3.55
	7	7	7	7	12	14	1.62	1.62	1.62	1.62	2.78	3.24	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56
	7	7	7	7	12	18	1.51	1.51	1.51	1.51	2.59	3.87	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59
	7	7	7	7	14	14	1.56	1.56	1.56	1.56	3.13	3.13	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57
	7	7	7	7	14	18	1.46	1.46	1.46	1.46	2.92	3.74	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60
	7	7	7	9	9	9	1.82	1.82	1.82	2.34	2.34	2.34	12.5 (3.5-14.0)	3.55 (0.8-4.84)	3.52
	7	7	7	9	9	12	1.72	1.72	1.72	2.21	2.21	2.92	12.5 (3.5-14.0)	3.53 (0.8-4.84)	3.54
	7	7	7	9	9	14	1.65	1.65	1.65	2.12	2.12	3.31	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56
	7	7	7	9	9	18	1.54	1.54	1.54	1.97	1.97	3.94	12.5 (3.5-14.0)	3.49 (0.8-4.84)	3.58
	7	7	7	9	12	12	1.62	1.62	1.62	2.08	2.78	2.78	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56
	7	7	7	9	12	14	1.56	1.56	1.56	2.01	2.68	3.13	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57
	7	7	7	9	12	18	1.46	1.46	1.46	1.88	2.50	3.74	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60
	7	7	7	9	14	14	1.51	1.51	1.51	1.93	3.02	3.02	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59
	7	7	7	12	12	12	1.54	1.54	1.54	2.63	2.63	2.63	12.5 (3.5-14.0)	3.49 (0.8-4.84)	3.58
	7	7	7	12	12	14	1.48	1.48	1.48	2.54	2.54	2.98	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59
	7	7	7	12	14	14	1.43	1.43	1.43	2.47	2.87	2.87	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60
	7	7	9	9	9	9	1.75	1.75	2.25	2.25	2.25	2.25	12.5 (3.5-14.0)	3.53 (0.8-4.84)	3.54
	7	7	9	9	9	12	1.65	1.65	2.12	2.12	2.12	2.84	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56
	7	7	9	9	9	14	1.59	1.59	2.05	2.05	2.05	3.17	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57
	7	7	9	9	9	18	1.48	1.48	1.91	1.91	1.91	3.81	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59
	7	7	9	9	12	12	1.56	1.56	2.01	2.01	2.68	2.68	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57
	7	7	9	9	12	14	1.51	1.51	1.94	1.94	2.59	3.01	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59
	7	7	9	9	12	18	1.41	1.41	1.81	1.81	2.42	3.64	12.5 (3.5-14.0)	3.46 (0.8-4.84)	3.61
	7	7	9	9	14	14	1.46	1.46	1.88	1.88	2.91	2.91	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60
	7	7	9	12	12	12	1.48	1.48	1.92	2.54	2.54	2.54	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59
	7	7	9	12	12	14	1.43	1.43	1.85	2.46	2.46	2.87	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60
	7	7	12	12	12	12	1.41	1.41	2.42	2.42	2.42	2.42	12.5 (3.5-14.0)	3.46 (0.8-4.84)	3.61
	7	9	9	9	9	9	1.70	2.16	2.16	2.16	2.16	2.16	12.5 (3.5-14.0)	3.52 (0.8-4.84)	3.55
	7	9	9	9	9	12	1.59	2.05	2.05	2.05	2.05	2.71	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57
	7	9	9	9	9	14	1.54	1.97	1.97	1.97	1.97	3.08	12.5 (3.5-14.0)	3.49 (0.8-4.84)	3.58
	7	9	9	9	12	12	1.50	1.94	1.94	1.94	2.59	2.59	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59
	7	9	9	9	12	14	1.46	1.88	1.88	1.88	2.50	2.90	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60
	7	9	9	12	12	12	1.44	1.84	1.84	2.46	2.46	2.46	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60
	9	9	9	9	9	9	2.08	2.08	2.08	2.08	2.08	2.08	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56
	9	9	9	9	9	12	1.97	1.97	1.97	1.97	1.97	2.65	12.5 (3.5-14.0)	3.49 (0.8-4.84)	3.58
	9	9	9	9	12	12	1.88	1.88	1.88	1.88	2.49	2.49	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60

Notes: •7: 7000 Btu/h/9: 9000 Btu/h/12: 12000 Btu/h/14: 14000 Btu/h/18: 18000 Btu/h/24: 24000 Btu/h models
•The above specifications apply when connected with a wall-mounted unit.
•2 or more indoor units should be connected.
•Cooling capacity is determined based on 27°CDB/19°CWB (indoor temperature) and 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•Total capacity of indoor units connected must be between 9.5 kW and 18.0 kW.

6-unit Multi-split heating

AOYG45LBLA6	Combination of Indoor Units						Heating Operation								
							Heating Capacity							Input Power (Min. - Max.)	COP
							Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Total Capacity (Min. - Max.)		
							kW	kW	kW	kW	kW	kW	kW	kW	
2 Units	12	24	-	-	-	-	4.07	8.13	-	-	-	-	12.2 (3.5-13.1)	3.41 (0.7-3.54)	3.58
	14	24	-	-	-	-	4.61	7.89	-	-	-	-	12.5 (3.5-13.8)	3.56 (0.7-3.76)	3.51
	18	18	-	-	-	-	6.10	6.10	-	-	-	-	12.2 (3.5-13.1)	3.41 (0.7-3.54)	3.58
	18	24	-	-	-	-	5.66	7.54	-	-	-	-	13.2 (3.5-15.3)	3.78 (0.7-4.20)	3.49
	24	24	-	-	-	-	6.75	6.75	-	-	-	-	13.5 (3.5-16.0)	3.89 (0.7-4.41)	3.47
3-unit connection	7	7	24	-	-	-	2.30	2.30	7.90	-	-	-	12.5 (3.5-13.8)	3.43 (0.7-3.76)	3.64
	7	9	18	-	-	-	2.35	3.02	6.03	-	-	-	11.4 (3.5-12.4)	2.98 (0.7-3.33)	3.83
	7	9	24	-	-	-	2.24	2.88	7.68	-	-	-	12.8 (3.5-14.5)	3.54 (0.7-3.98)	3.62
	7	12	18	-	-	-	2.33	3.99	5.98	-	-	-	12.3 (3.5-13.5)	3.35 (0.7-3.65)	3.67
	7	12	24	-	-	-	2.17	3.71	7.42	-	-	-	13.3 (3.5-15.6)	3.69 (0.7-4.30)	3.60
	7	14	14	-	-	-	2.40	4.80	4.80	-	-	-	12.0 (3.5-12.7)	3.15 (0.7-3.44)	3.81
	7	14	18	-	-	-	2.28	4.56	5.86	-	-	-	12.7 (3.5-14.2)	3.49 (0.7-3.87)	3.64
	7	14	24	-	-	-	2.10	4.20	7.20	-	-	-	13.5 (3.5-16.0)	3.75 (0.7-4.41)	3.60
	7	18	18	-	-	-	2.16	5.57	5.57	-	-	-	13.3 (3.5-15.6)	3.69 (0.7-4.30)	3.60
	7	18	24	-	-	-	1.93	4.96	6.61	-	-	-	13.5 (3.5-16.0)	3.74 (0.7-4.41)	3.61
	7	24	24	-	-	-	1.72	5.89	5.89	-	-	-	13.5 (3.5-16.0)	3.72 (0.7-4.41)	3.63
	9	9	18	-	-	-	3.05	3.05	6.10	-	-	-	12.2 (3.5-13.1)	3.28 (0.7-3.54)	3.72
	9	9	24	-	-	-	2.83	2.83	7.54	-	-	-	13.2 (3.5-15.3)	3.64 (0.7-4.20)	3.63
	9	12	14	-	-	-	3.09	4.11	4.80	-	-	-	12.0 (3.5-12.7)	3.15 (0.7-3.44)	3.81
	9	12	18	-	-	-	2.93	3.91	5.86	-	-	-	12.7 (3.5-14.2)	3.49 (0.7-3.87)	3.64
	9	12	24	-	-	-	2.70	3.60	7.20	-	-	-	13.5 (3.5-16.0)	3.75 (0.7-4.41)	3.60
	9	14	14	-	-	-	3.00	4.65	4.65	-	-	-	12.3 (3.5-13.5)	3.35 (0.7-3.65)	3.67
	9	14	18	-	-	-	2.85	4.44	5.71	-	-	-	13.0 (3.5-14.9)	3.59 (0.7-4.09)	3.62
	9	14	24	-	-	-	2.59	4.02	6.89	-	-	-	13.5 (3.5-16.0)	3.74 (0.7-4.41)	3.61
	9	18	18	-	-	-	2.70	5.40	5.40	-	-	-	13.5 (3.5-16.0)	3.75 (0.7-4.41)	3.60
	9	18	24	-	-	-	2.38	4.76	6.36	-	-	-	13.5 (3.5-16.0)	3.73 (0.7-4.41)	3.62
	9	24	24	-	-	-	2.14	5.68	5.68	-	-	-	13.5 (3.5-16.0)	3.71 (0.7-4.41)	3.64
	12	12	12	-	-	-	4.07	4.07	4.07	-	-	-	12.2 (3.5-13.1)	3.28 (0.7-3.54)	3.72
	12	12	14	-	-	-	3.94	3.95	4.61	-	-	-	12.5 (3.5-13.8)	3.43 (0.7-3.76)	3.64
	12	12	18	-	-	-	3.77	3.77	5.66	-	-	-	13.2 (3.5-15.3)	3.64 (0.7-4.20)	3.63
	12	12	24	-	-	-	3.38	3.38	6.74	-	-	-	13.5 (3.5-16.0)	3.74 (0.7-4.41)	3.61
	12	14	14	-	-	-	3.84	4.48	4.48	-	-	-	12.8 (3.5-14.5)	3.54 (0.7-3.98)	3.62
	12	14	18	-	-	-	3.68	4.30	5.52	-	-	-	13.5 (3.5-16.0)	3.75 (0.7-4.41)	3.60
	12	14	24	-	-	-	3.24	3.78	6.48	-	-	-	13.5 (3.5-16.0)	3.74 (0.7-4.41)	3.61
	12	18	18	-	-	-	3.38	5.06	5.06	-	-	-	13.5 (3.5-16.0)	3.74 (0.7-4.41)	3.61
	12	18	24	-	-	-	3.00	4.50	6.00	-	-	-	13.5 (3.5-16.0)	3.72 (0.7-4.41)	3.63
	12	24	24	-	-	-	2.70	5.40	5.40	-	-	-	13.5 (3.5-16.0)	3.71 (0.7-4.41)	3.64
	14	14	14	-	-	-	4.40	4.40	4.40	-	-	-	13.2 (3.5-15.3)	3.64 (0.7-4.20)	3.63
	14	14	18	-	-	-	4.11	4.11	5.28	-	-	-	13.5 (3.5-16.0)	3.75 (0.7-4.41)	3.60
	14	14	24	-	-	-	3.63	3.63	6.24	-	-	-	13.5 (3.5-16.0)	3.73 (0.7-4.41)	3.62
	14	18	18	-	-	-	3.78	4.86	4.86	-	-	-	13.5 (3.5-16.0)	3.74 (0.7-4.41)	3.61
	14	18	24	-	-	-	3.38	4.34	5.78	-	-	-	13.5 (3.5-16.0)	3.72 (0.7-4.41)	3.63
	14	24	24	-	-	-	3.04	5.23	5.23	-	-	-	13.5 (3.5-16.0)	3.70 (0.7-4.41)	3.65
	18	18	18	-	-	-	4.50	4.50	4.50	-	-	-	13.5 (3.5-16.0)	3.72 (0.7-4.41)	3.63
	18	18	24	-	-	-	4.05	4.05	5.40	-	-	-	13.5 (3.5-16.0)	3.71 (0.7-4.41)	3.64
4-unit connection	7	7	7	14	-	-	2.40	2.40	2.40	4.80	-	-	12.0 (3.5-12.7)	2.98 (0.7-3.44)	4.03
	7	7	7	18	-	-	2.28	2.28	2.28	5.86	-	-	12.7 (3.5-14.2)	3.35 (0.7-3.87)	3.79
	7	7	7	24	-	-	2.10	2.10	2.10	7.20	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	7	7	9	12	-	-	2.40	2.40	3.09	4.11	-	-	12.0 (3.5-12.7)	2.98 (0.7-3.44)	4.03
	7	7	9	14	-	-	2.33	2.33	2.99	4.65	-	-	12.3 (3.5-13.5)	3.19 (0.7-3.65)	3.86
	7	7	9	18	-	-	2.22	2.22	2.85	5.71	-	-	13.0 (3.5-14.9)	3.46 (0.7-4.09)	3.76
	7	7	9	24	-	-	2.01	2.01	2.59	6.89	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	7	7	12	12	-	-	2.30	2.30	3.95	3.95	-	-	12.5 (3.5-13.8)	3.28 (0.7-3.76)	3.81
	7	7	12	14	-	-	2.24	2.24	3.84	4.48	-	-	12.8 (3.5-14.5)	3.41 (0.7-3.98)	3.75
	7	7	12	18	-	-	2.15	2.15	3.68	5.52	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	7	7	12	24	-	-	1.89	1.89	3.24	6.48	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	7	7	14	14	-	-	2.20	2.20	4.40	4.40	-	-	13.2 (3.5-15.3)	3.52 (0.7-4.20)	3.75
	7	7	14	18	-	-	2.05	2.05	4.11	5.29	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	7	7	14	24	-	-	1.82	1.82	3.63	6.23	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	7	7	18	18	-	-	1.89	1.89	4.86	4.86	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	7	7	18	24	-	-	1.69	1.69	4.34	5.78	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	7	7	24	24	-	-	1.52	1.52	5.23	5.23	-	-	13.5 (3.5-16.0)	3.56 (0.7-4.41)	3.79
	7	9	9	9	-	-	2.34	3.02	3.02	3.02	-	-	11.4 (3.5-12.4)	2.82 (0.7-3.33)	4.04
	7	9	9	12	-	-	2.33	2.99	2.99	3.99	-	-	12.3 (3.5-13.5)	3.19 (0.7-3.65)	3.86
	7	9	9	14	-	-	2.28	2.93	2.93	4.56	-	-	12.7 (3.5-14.2)	3.35 (0.7-3.87)	3.79
	7	9	9	18	-	-	2.17	2.78	2.78	5.57	-	-	13.3 (3.5-15.6)	3.56 (0.7-4.30)	3.74
	7	9	9	24	-	-	1.93	2.48	2.48	6.61	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	7	9	12	12	-	-	2.24	2.88	3.84	3.84	-	-	12.8 (3.5-14.5)	3.41 (0.7-3.98)	3.75
	7	9	12	14	-	-	2.20	2.83	3.77	4.40	-	-	13.2 (3.5-15.3)	3.52 (0.7-4.20)	3.75
	7	9	12	18	-	-	2.05	2.64	3.52	5.29	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	7	9	12	24	-	-	1.82	2.34	3.12	6.22	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	7	9	14	14	-	-	2.15	2.75	4.30	4.30	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	7	9	14	18	-	-	1.97	2.53	3.94	5.06	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	7	9	14	24	-	-	1.75	2.25	3.50	6.00	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	7	9	18	18	-	-	1.82	2.34	4.67	4.67	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	7	9	18	24	-	-	1.63	2.09	4.19	5.59	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	7	12	12	12	-	-	2.17	3.71	3.71	3.71	-	-	13.3 (3.5-15.6)	3.56 (0.7-4.30)	3.74
	7	12	12	14	-	-	2.10	3.60	3.60	4.20	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	7	12	12	18	-	-	1.93	3.31	3.31	4.95	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	7	12	12	24	-	-	1.72	2.95	2.95	5.88	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	7	12	14	14	-	-	2.01	3.45	4.02	4.02	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	7	12	14	18	-	-	1.85	3.18	3.71	4.76	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	7	12	14	24	-	-	1.66	2.84	3.32	5.68	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	7	12	18	18	-	-	1.72	2.94	4.42	4.42	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	7	12	18	24	-	-	1.55	2.66	3.98	5.31	-	-	13.5 (3.5-16.0)	3.56 (0.7-4.41)	3.79
	7	14	14	14	-	-	1.92	3.86	3.86	3.86	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	7	14	14	18	-	-	1.78	3.57	3.57	4.58	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	7	14	14	24	-	-	1.60	3.20	3.20	5.50	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	7	14	18	18	-	-	1.66	3.32	4.26	4.26	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	7	18	18	18	-	-	1.56	3.98	3.98	3.98	-	-	13.5 (3.5-16.0)	3.56 (0.7-4.41)	3.79
	9	9	9	9	-	-	3.05	3.05	3.05	3.05	-	-	12.2 (3.5-13.1)	3.09 (0.7-3.54)	3.95
	9	9	9	12	-	-	2.93	2.93	2.93	3.91	-	-	12.7 (3.5-14.2)	3.35 (0.7-3.87)	3.79
	9	9	9	14	-	-	2.85	2.85	2.85	4.45	-	-	13.0 (3.5-14.9)	3.46 (0.7-4.09)	3.76
	9	9	9	18	-	-	2.70	2.70	2.70	5.40	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	9	9	9	24	-	-	2.38	2.38	2.38	6.36	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	9	9	12	12	-	-	2.83	2.83	3.77	3.77	-	-	13.2 (3.5-15.3)	3.52 (0.7-4.20)	3.75
	9	9	12	14	-	-	2.76	2.76	3.68	4.30	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	9	9	12	18	-	-	2.53	2.53	3.38	5.06	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	9	9	12	24	-	-	2.25	2.25	3.00	6.00	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	9	9	14	14	-	-	2.64	2.64	4.11	4.11	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	9	9	14	18	-	-	2.43	2.43	3.78	4.86	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	9	9	14	24	-	-	2.17	2.17	3.38	5.78	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	9	9	18	18	-	-	2.25	2.25	4.50	4.50	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	9	9	18	24	-	-	2.03	2.03	4.05	5.39	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	9	12	12	12	-	-	2.70	3.60	3.60	3.60	-	-	13.5 (3.5-16.0)	3.61 (0.7-4.41)	3.74
	9	12	12	14	-	-	2.59	3.45	3.45	4.01	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	9	12	12	18	-	-	2.38	3.18	3.18	4.76	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	9	12	12	24	-	-	2.13	2.84	2.84	5.69	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	9	12	14	14	-	-	2.48	3.30	3.86	3.86	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	9	12	14	18	-	-	2.29	3.06	3.57	4.58	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	9	12	14	24	-	-	2.06	2.75	3.20	5.49	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	9	12	18	18	-	-	2.13	2.85	4.26	4.26	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	9	14	14	14	-	-	2.37	3.71	3.71	3.71	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	9	14	14	18	-	-	2.21	3.44	3.44	4.41	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	9	14	14	24	-	-	1.99	3.10	3.10	5.31	-	-	13.5 (3.5-16.0)	3.56 (0.7-4.41)	3.79
	9	14	18	18	-	-	2.06	3.20	4.12	4.12	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78

6-unit Multi-split Combination Table-Heating

6-unit Multi-split heating

AOYG45LBLA6	Combination of Indoor Units						Heating Operation								
							Heating Capacity							Input Power (Min. - Max.)	COP
							Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Total Capacity (Min. - Max.)		
							kW	kW	kW	kW	kW	kW	kW	kW	
4-unit connection	12	12	12	12	-	-	3.38	3.38	3.38	3.38	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	12	12	12	14	-	-	3.24	3.24	3.24	3.78	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.41)	3.75
	12	12	12	18	-	-	3.00	3.00	3.00	4.50	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	12	12	12	24	-	-	2.70	2.70	2.70	5.40	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	12	12	14	14	-	-	3.12	3.12	3.63	3.63	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.41)	3.76
	12	12	14	18	-	-	2.89	2.89	3.38	4.34	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	12	12	14	24	-	-	2.61	2.61	3.05	5.23	-	-	13.5 (3.5-16.0)	3.56 (0.7-4.41)	3.79
	12	12	18	18	-	-	2.70	2.70	4.05	4.05	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	12	14	14	14	-	-	3.00	3.50	3.50	3.50	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.41)	3.77
	12	14	14	18	-	-	2.79	3.26	3.26	4.19	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.41)	3.78
	12	14	18	18	-	-	2.61	3.05	3.92	3.92	-	-	13.5 (3.5-16.0)	3.56 (0.7-4.41)	3.79
	7	7	7	7	7	-	2.40	2.40	2.40	2.40	2.40	-	12.0 (3.5-12.7)	2.82 (0.7-3.44)	4.26
	7	7	7	7	9	-	2.33	2.33	2.33	2.33	2.98	-	12.3 (3.5-13.5)	3.03 (0.7-3.65)	4.06
	7	7	7	7	12	-	2.24	2.24	2.24	2.24	3.84	-	12.8 (3.5-14.5)	3.29 (0.7-3.98)	3.89
	7	7	7	7	14	-	2.20	2.20	2.20	2.20	4.40	-	13.2 (3.5-15.3)	3.40 (0.7-4.20)	3.88
	7	7	7	7	18	-	2.05	2.05	2.05	2.05	5.30	-	13.5 (3.5-16.0)	3.49 (0.7-4.41)	3.87
	7	7	7	7	24	-	1.82	1.82	1.82	1.82	6.22	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	7	7	9	9	-	2.28	2.28	2.28	2.93	2.93	-	12.7 (3.5-14.2)	3.23 (0.7-3.87)	3.93
	7	7	7	9	12	-	2.20	2.20	2.20	2.83	3.77	-	13.2 (3.5-15.3)	3.40 (0.7-4.20)	3.88
	7	7	7	9	14	-	2.15	2.15	2.15	2.76	4.29	-	13.5 (3.5-16.0)	3.49 (0.7-4.41)	3.87
	7	7	7	9	18	-	1.97	1.97	1.97	2.53	5.06	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	7	7	9	24	-	1.75	1.75	1.75	2.25	6.00	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	7	7	12	12	-	2.10	2.10	2.10	3.60	3.60	-	13.5 (3.5-16.0)	3.49 (0.7-4.41)	3.87
	7	7	7	12	14	-	2.01	2.01	2.01	3.45	4.02	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	7	7	12	18	-	1.85	1.85	1.85	3.18	4.77	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	7	7	12	24	-	1.66	1.66	1.66	2.84	5.68	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	7	7	14	14	-	1.93	1.93	1.93	3.86	3.86	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	7	7	14	18	-	1.78	1.78	1.78	3.57	4.59	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	7	7	14	24	-	1.60	1.60	1.60	3.20	5.50	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	7	7	18	18	-	1.66	1.66	1.66	4.26	4.26	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	7	9	9	9	-	2.22	2.22	2.85	2.85	2.85	-	13.0 (3.5-14.9)	3.34 (0.7-4.09)	3.89
	7	7	9	9	12	-	2.15	2.15	2.76	2.76	3.68	-	13.5 (3.5-16.0)	3.49 (0.7-4.41)	3.87
	7	7	9	9	14	-	2.05	2.05	2.64	2.64	4.12	-	13.5 (3.5-16.0)	3.49 (0.7-4.41)	3.87
	7	7	9	9	18	-	1.89	1.89	2.43	2.43	4.86	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	7	9	9	24	-	1.69	1.69	2.17	2.17	5.78	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	7	9	12	12	-	2.01	2.01	2.58	3.45	3.45	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	7	9	12	14	-	1.93	1.93	2.48	3.31	3.85	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	7	9	12	18	-	1.78	1.78	2.29	3.06	4.59	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	7	9	12	24	-	1.60	1.60	2.06	2.75	5.49	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	7	9	14	14	-	1.85	1.85	2.38	3.71	3.71	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	7	9	14	18	-	1.72	1.72	2.21	3.44	4.41	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	7	9	14	24	-	1.55	1.55	1.99	3.10	5.31	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	7	7	9	18	18	-	1.60	1.60	2.06	4.12	4.12	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	7	12	12	12	-	1.89	1.89	3.24	3.24	3.24	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	7	12	12	14	-	1.82	1.82	3.12	3.12	3.62	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	7	12	12	18	-	1.69	1.69	2.89	2.89	4.34	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	7	12	12	24	-	1.52	1.52	2.61	2.61	5.24	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	7	7	12	14	14	-	1.75	1.75	3.00	3.50	3.50	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	7	12	14	18	-	1.63	1.63	2.79	3.26	4.19	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	7	12	18	18	-	1.52	1.52	2.62	3.92	3.92	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	7	7	14	14	14	-	1.68	1.68	3.38	3.38	3.38	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	7	14	14	18	-	1.58	1.58	3.15	3.15	4.04	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
5-unit connection	7	9	9	9	9	-	2.18	2.78	2.78	2.78	2.78	-	13.3 (3.5-15.6)	3.44 (0.7-4.30)	3.87
	7	9	9	9	12	-	2.05	2.64	2.64	2.64	3.53	-	13.5 (3.5-16.0)	3.49 (0.7-4.41)	3.87
	7	9	9	9	14	-	1.97	2.53	2.53	2.53	3.96	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	9	9	9	18	-	1.82	2.34	2.34	2.34	4.66	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	9	9	9	24	-	1.63	2.09	2.09	2.09	5.60	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	9	9	12	12	-	1.92	2.48	2.48	3.31	3.31	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	7	9	9	12	14	-	1.85	2.38	2.38	3.18	3.71	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	9	9	12	18	-	1.72	2.21	2.21	2.95	4.41	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	9	9	12	24	-	1.55	1.99	1.99	2.66	5.31	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	7	9	9	14	14	-	1.78	2.29	2.29	3.57	3.57	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	9	9	14	18	-	1.66	2.13	2.13	3.32	4.26	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	9	9	18	18	-	1.56	1.99	1.99	3.98	3.98	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	7	9	12	12	12	-	1.82	2.32	3.12	3.12	3.12	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	7	9	12	12	14	-	1.75	2.25	3.00	3.00	3.50	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	9	12	12	18	-	1.63	2.09	2.79	2.79	4.20	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	9	12	14	14	-	1.69	2.17	2.88	3.38	3.38	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	9	12	14	18	-	1.58	2.03	2.70	3.15	4.04	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	9	14	14	14	-	1.63	2.09	3.26	3.26	3.26	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	9	14	14	18	-	1.52	1.96	3.05	3.05	3.92	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	7	12	12	12	12	-	1.70	2.95	2.95	2.95	2.95	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	7	12	12	12	14	-	1.66	2.84	2.84	2.84	3.32	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	12	12	12	18	-	1.55	2.66	2.66	2.66	3.97	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	7	12	12	14	14	-	1.60	2.75	2.75	3.20	3.20	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	7	12	14	14	14	-	1.55	2.65	3.10	3.10	3.10	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	9	9	9	9	9	-	2.70	2.70	2.70	2.70	2.70	-	13.5 (3.5-16.0)	3.49 (0.7-4.41)	3.87
	9	9	9	9	12	-	2.53	2.53	2.53	2.53	3.38	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	9	9	9	9	14	-	2.43	2.43	2.43	2.43	3.78	-	13.5 (3.5-16.0)	3.48 (0.7-4.41)	3.88
	9	9	9	9	18	-	2.25	2.25	2.25	2.25	4.50	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	9	9	9	9	24	-	2.03	2.03	2.03	2.03	5.38	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	9	9	9	12	12	-	2.38	2.38	2.38	3.18	3.18	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	9	9	9	12	14	-	2.29	2.29	2.29	3.06	3.57	-	13.5 (3.5-16.0)	3.47 (0.7-4.41)	3.89
	9	9	9	12	18	-	2.13	2.13	2.13	2.84	4.27	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	9	9	9	14	14	-	2.21	2.21	2.21	3.44	3.44	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	9	9	9	14	18	-	2.06	2.06	2.06	3.20	4.12	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	9	9	12	12	12	-	2.25	2.25	3.00	3.00	3.00	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	9	9	12	12	14	-	2.17	2.17	2.89	2.89	3.38	-	13.5 (3.5-16.0)	3.46 (0.7-4.41)	3.90
	9	9	12	12	18	-	2.03	2.03	2.70	2.70	4.04	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	9	9	12	14	14	-	2.09	2.09	2.80	3.26	3.26	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	9	9	12	14	18	-	1.96	1.96	2.61	3.05	3.92	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	9	9	14	14	14	-	2.03	2.03	3.15	3.15	3.15	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	9	12	12	12	12	-	2.14	2.84	2.84	2.84	2.84	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	9	12	12	12	14	-	2.06	2.75	2.75	2.75	3.19	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	9	12	12	14	14	-	1.98	2.66	2.66	3.10	3.10	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92
	12	12	12	12	12	-	2.70	2.70	2.70	2.70	2.70	-	13.5 (3.5-16.0)	3.45 (0.7-4.41)	3.91
	12	12	12	12	14	-	2.61	2.61	2.61	2.61	3.06	-	13.5 (3.5-16.0)	3.44 (0.7-4.41)	3.92

Notes: •7: 7000 Btu/h/9: 9000 Btu/h/12: 12000 Btu/h/14: 14000 Btu/h/18: 18000 Btu/h/24: 24000 Btu/h models
•The above specifications apply when connected with a wall-mounted unit.
•2 or more indoor units should be connected.
•Heating capacity is determined based on 20°CDB (indoor temperature) and 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•Total capacity of indoor units connected must be between 7.5 kW and 15.5 kW.

6-unit Multi-split heating

AOYG45LBLA6	Combination of Indoor Units						Heating Operation								
							Heating Capacity							Input Power (Min. - Max.)	COP
							Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Total Capacity (Min. - Max.)		
							kW	kW	kW	kW	kW	kW	kW	kW	
6-unit connection	7	7	7	7	7	7	2.20	2.20	2.20	2.20	2.20	2.20	13.2 (3.5-15.3)	3.28 (0.7-4.20)	4.02
	7	7	7	7	7	9	2.15	2.15	2.15	2.15	2.15	2.75	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	7	12	2.01	2.01	2.01	2.01	2.01	3.45	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	7	14	1.93	1.93	1.93	1.93	1.93	3.85	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	7	18	1.78	1.78	1.78	1.78	1.78	4.60	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	7	24	1.60	1.60	1.60	1.60	1.60	5.50	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	9	9	2.05	2.05	2.05	2.05	2.65	2.65	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	9	12	1.93	1.93	1.93	1.93	2.48	3.30	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	9	14	1.85	1.85	1.85	1.85	2.38	3.72	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	9	18	1.72	1.72	1.72	1.72	2.21	4.41	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	9	24	1.55	1.55	1.55	1.55	1.99	5.31	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	12	12	1.82	1.82	1.82	1.82	3.11	3.11	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	12	14	1.75	1.75	1.75	1.75	3.00	3.50	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	12	18	1.63	1.63	1.63	1.63	2.79	4.19	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	14	14	1.69	1.69	1.69	1.69	3.37	3.37	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	7	14	18	1.58	1.58	1.58	1.58	3.15	4.03	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	9	9	9	1.97	1.97	1.97	2.53	2.53	2.53	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	9	9	12	1.85	1.85	1.85	2.38	2.38	3.19	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	9	9	14	1.78	1.78	1.78	2.29	2.29	3.58	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	9	9	18	1.66	1.66	1.66	2.13	2.13	4.26	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	9	12	12	1.75	1.75	1.75	2.25	3.00	3.00	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	9	12	14	1.69	1.69	1.69	2.17	2.89	3.37	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	9	12	18	1.58	1.58	1.58	2.03	2.70	4.03	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	9	14	14	1.63	1.63	1.63	2.09	3.26	3.26	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	12	12	12	1.66	1.66	1.66	2.84	2.84	2.84	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	12	12	14	1.60	1.60	1.60	2.75	2.75	3.20	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	7	12	14	14	1.55	1.55	1.55	2.65	3.10	3.10	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	9	9	12	1.78	1.78	2.29	2.29	2.29	3.07	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	9	9	14	1.72	1.72	2.21	2.21	2.21	3.43	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	9	9	18	1.60	1.60	2.06	2.06	2.06	4.12	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	9	12	12	1.69	1.69	2.17	2.17	2.89	2.89	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	9	12	14	1.63	1.63	2.09	2.09	2.79	3.27	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	9	12	18	1.52	1.52	1.96	1.96	2.61	3.93	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	9	14	14	1.58	1.58	2.03	2.03	3.14	3.14	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	12	12	12	1.60	1.60	2.05	2.75	2.75	2.75	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	9	12	12	14	1.55	1.55	1.99	2.66	2.66	3.09	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	7	12	12	12	12	1.53	1.53	2.61	2.61	2.61	2.61	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	9	9	9	9	9	1.80	2.34	2.34	2.34	2.34	2.34	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	9	9	9	9	12	1.72	2.21	2.21	2.21	2.21	2.94	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	9	9	9	9	14	1.66	2.13	2.13	2.13	2.13	3.32	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	9	9	9	12	12	1.65	2.09	2.09	2.09	2.79	2.79	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	9	9	9	12	14	1.58	2.03	2.03	2.03	2.69	3.14	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	7	9	9	12	12	12	1.54	1.99	1.99	2.66	2.66	2.66	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	9	9	9	9	9	9	2.25	2.25	2.25	2.25	2.25	2.25	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	9	9	9	9	9	12	2.13	2.13	2.13	2.13	2.13	2.85	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00
	9	9	9	9	12	12	2.03	2.03	2.03	2.03	2.69	2.69	13.5 (3.5-16.0)	3.37 (0.7-4.41)	4.00

Notes: •7: 7000 Btu/h/9: 9000 Btu/h/12: 12000 Btu/h/14: 14000 Btu/h/18: 18000 Btu/h/24: 24000 Btu/h models
•The above specifications apply when connected with a wall-mounted unit.
•2 or more indoor units should be connected.
•Heating capacity is determined based on 20°CDB (indoor temperature) and 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•Total capacity of indoor units connected must be between 7.5 kW and 15.5 kW.

Feature Summary

Type	Wall-mounted type					Wall-mounted type		
Series	Designer Series		Standard Series	Standard Series		Designer Series	Standard Series	
Model name	ASEH07/09/12/14KGTG ASYG07/09/12/14KGTE	ASEG07/09/12/14KETF, ASEG07/09/12/14KETF-B, ASYG07/09/12/14KETE, ASYG07/09/12/14KETE-B	ASEH07/09/12/14KMCG ASYG07/09/12/14KMCE	ASEH05/07/09/12KNCA	ASEG18/22/24KMTE	ASYG07/09/12/14LUCA	ASYG07/09/12/14LMCE	ASYG18LFCA, ASYG24LFCC
Refrigerant	R32			R32		R410A		
Energy-saving Features: Save Occupancy sensor	●							
Energy-saving Features: Economy operation	●	●	●	●	●	●	●	●
Energy-saving Features: Setting temperature range limitation	○	○	○		○	○	○	○
Energy-saving Features: Set temperature auto return	○	○	○		○	○	○	○
Features for Comfort: Power diffuser							●	●
Features for Comfort: Powerful operation	●	●	●	●	●			
Features for Comfort: 10°C Heat	●	●	●	●	●	●	●	●
Features for Comfort: Outdoor unit low noise operation	●	●	●	●	●			
Features for Comfort: Auto changeover	●	●	●	●	●	●	●	●
Features for Comfort: UP/DOWN swing louver	●	●	●	●		●	●	
Features for Comfort: Double swing automatic				●	●			●
Features for Comfort: Automatic fan speed	●	●	●	●	●	●	●	●
Features for Comfort: Auto restart	●	●	●	●	●	●	●	●
Features for Comfort: Connectable fresh air duct								
Features for Comfort: Fresh air intake								
Features for Comfort: Connectable distributing duct								
Convenience Features: Auto-off timer	○	○	○	●	○	○	○	○
Convenience Features: Sleep timer	●	●	●	●	●	●	●	●
Convenience Features: Program timer	●	●	●	●	●	●	●	●
Convenience Features: Weekly timer	●	●	○	○	●	●		
Convenience Features: Weekly & Temperature setback timer	○	○	○		○	○	○	○
Convenience Features: Filter sign	●	●	●	●	●	●	●	●
Convenience Features: External error output	○	○	○		○	○	○	○
Convenience Features: External ON/OFF input	○	○	○		○	○	○	○
Convenience Features: Wireless LAN control	● (KGTG), ○ (KGTE)	● (KETF, KETF-B), ○ (KETE, KETE-B)	● (KMCG), ○ (KMCE)	●	○	○	○	○
Clean Features: Ion deodorization filter	●	●	●		●	●	●	●
Clean Features: Apple-catechin filter	●	●	●		●	●	●	●
Clean Features: Long-life filter								
Clean Features: Washable panel	●	●	●	●	●		●	●
Clean Features: Silver Ion Filter	○	○	○	○	○	○	○	○
Installation / Support: Automatic airflow adjustment								
Installation / Support: Drain pump as standard								
Installation / Support: Blue fin				●				● (30)
Installation / Support: Refrigerant cycle monitor								

○ : Optional function

Feature Summary

Type	Cassette			Duct			Duct				Floor		Floor/Ceiling	Ceiling	
Series	Compact 4-way Flow Grid type Series	Compact 4-way Flow Series	4-way Flow Series	Mini (With drain pump)		Slim (With drain pump)	Slim (With drain pump)	Medium Static Pressure							
Model name	AUXG 07/09/12/ 14/18/22/24 KVLA	AUYG07/09LVLA, AUYG12/14/18LVLB, AUYG22/24LVLA	AUYG30/36LRLE, AUYG36/45LRLA	ARXG 07/09/12/14/18 KSLAP	ARYG 07/09/12/14/18 LSLAP	ARXG 07/09/12/14/18 KLLAP	ARYG07/09LLTA, ARYG12/14/18LLTB	ARXH 12/14/18/22 KMTAP	ARXG22KMLB, ARXG24KMLA	ARYG 22/24/36/45 LMLA, ARYG 30/36LMLE	AGEG09/12/14KVCA	AGYG09/12/14LVCA	ABYG14/22/24LVTA, ABYG18LVTB	ABEG18/22KRTA	ABYG30/36LRTE, ABYG36/45LRTA
Refrigerant	R32	R410A	R410A	R32	R410A	R32	R410A	R32		R410A	R32	R410A		R32	R410A
Energy-saving Features: Save Occupancy sensor															
Energy-saving Features: Economy operation	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●
Energy-saving Features: Setting temperature range limitation	○	○	○	●	●	○	○	○	○	○	○	○	○	●	○
Energy-saving Features: Set temperature auto return	●	○	○	●	●	●	○	○	●	○	○	○	○	●	○
Features for Comfort: Power diffuser															
Features for Comfort: Powerful operation											●				
Features for Comfort: 10°C Heat	●	●	○	○	○	○	○	○	○	○	●	●	●	○	●
Features for Comfort: Outdoor unit low noise operation										○ (45) (36LMLA)	●			○	○ (45/54)(36LRTA)
Features for Comfort: Auto changeover	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Features for Comfort: UP/DOWN swing louver	●	●	●	○	○	○	○				●	●		●	
Features for Comfort: Double swing automatic													●		●
Features for Comfort: Automatic fan speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Features for Comfort: Auto restart	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Features for Comfort: Connectable fresh air duct		○	●					●	●	●				●	●
Features for Comfort: Fresh air intake	○	○	○			○	○	○	○	○				○	○
Features for Comfort: Connectable distributing duct									●	●					
Convenience Features: Auto-off timer	●	○	○	●	●	●	○	●	●	○	○	○	○	●	○
Convenience Features: Sleep timer	●	●	○	○	○	○	○	○	○	○	●	●	●	○	●
Convenience Features: Program timer	●	●	○	○	○	○	○	●	○	○	●	●	●	○	●
Convenience Features: Weekly timer	●			●	●	●		○	●		●			●	
Convenience Features: Weekly & Temperature setback timer	○	○	●			●	●		●	●		○	○		○
Convenience Features: Filter sign	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Convenience Features: External error output				○	○			●			○			○	
Convenience Features: External ON/OFF input	●	○	○	●	●	●	○	●	●	○	○	○	○	●	○
Convenience Features: Wireless LAN control	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Clean Features: Ion deodorization filter											●	●			
Clean Features: Apple-catechin filter											●	●			
Clean Features: Long-life filter								○	○	○	●	●			
Clean Features: Washable panel															
Clean Features: Silver Ion Filter	○	○	○	○	○	○	○	○	○	○	○	○			
Installation / Support: Automatic airflow adjustment								●							
Installation / Support: Drain pump as standard	●	●	●	●	●	●	●	●	○	○				○	○
Installation / Support: Blue fin			● (45/54)							● (45)				● (30/36/45/54)	● (45)
Installation / Support: Refrigerant cycle monitor								○							

○ : Optional function

Light Commercial & Commercial, Residential

VRF

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

VRF systems provide air conditioning solutions for large residences as well as large commercial buildings.

V-002 VRF Series Overview
V-004 VRF Outdoor Units Lineup
V-006 Features

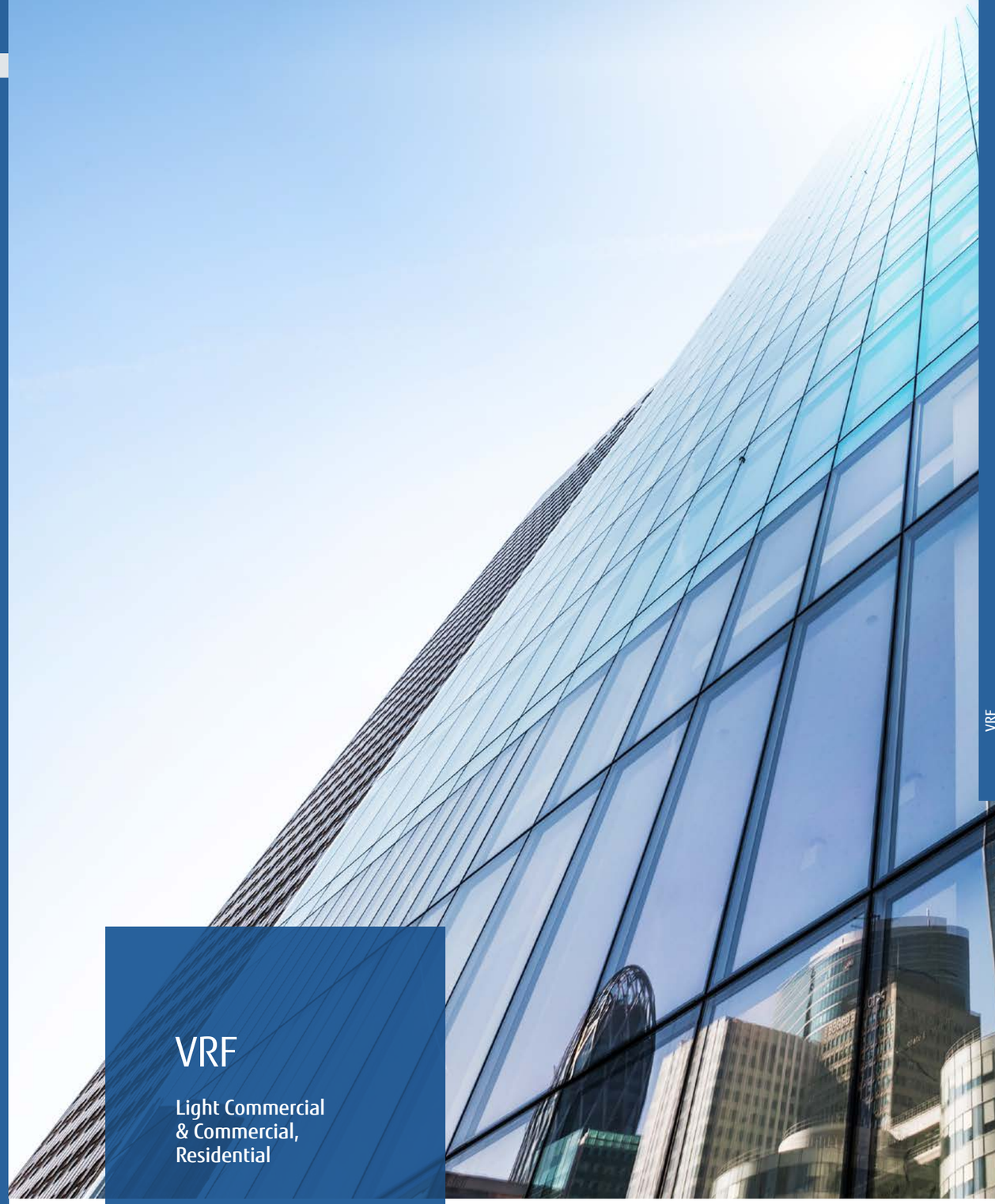
VRF Outdoor Units

VRF J Series
Heat Pump for Small-capacity type
V-020 VRF J-VS
V-026 VRF J-IVS
V-030 VRF J-IV
V-034 VRF J-IVL

VRF V Series
Heat Recovery Modular type
V-040 VRF VR-IV

Heat Pump Modular type
V-050 VRF V-IV

VRF INDOOR UNITS
V-058 VRF Indoor Unit Lineup for J-VS
V-066 VRF Indoor Unit Lineup for J-IVS, J-IV, J-IVL, VR-IV, V-IV



VRF

Light Commercial & Commercial, Residential

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FUJITSU GENERAL LIMITED

VRF Series Overview

Recommended VRF products for various buildings

NEW VRF J-VS

Maximum 6 HP Heat Pump

This product uses R32, a new environmentally friendly refrigerant. With TOP-class energy efficiency and compact design, it can be installed in a limited and narrow space without being conspicuous. Indoor unit connectable up to 130%.

- Sustainable(R32)
- Saving CO2
- Small Body
- Situational Piping Design
- Sightliness installation

REFRIGERANT R32

Page V-020

VRF J-IVS

Maximum 6 HP Heat Pump

The 998 mm compact design does not obstruct the view even when installed underneath a waist-high window, ideal for large houses and retail stores. Indoor unit connectable up to 130%.

- Spaces saving and low sound level design
- Flexible system configuration for homes, stores, and small buildings

REFRIGERANT R410A

Page V-026

VRF J-IV

Maximum 6 HP Heat Pump

J-IV is connectable with up to 14 indoor units (Indoor unit connectable up to 150%) making it suitable for commercial facilities housing a number of small stores.

- High energy efficiency
- Flexible system configuration for small and midsize buildings

REFRIGERANT R410A

Page V-030

VRF J-IVL

Maximum 18 HP Heat Pump

J-IVL is an outdoor unit with a slim design. Its flexibility in installation makes it ideal for midsize office buildings and hotels. With the newly added 14/16/18 HP models, up to 42 indoor units* are connectable, making them ideal for hotels and educational facilities with many rooms.

- Slim Outdoor Unit
- Small room application
- Class-leading Low Operating Sound

REFRIGERANT R410A

Page V-034

VRF VR-IV

Maximum 48 HP Heat Recovery

Smart, cutting-edge design
Available in a wide range of models from 8 to 48 HP in 2 HP increments with the capacity ratio of indoor units connectable up to 150%.

- Excellent energy saving
- High design flexibility for placement in any building
- Easy installation and maintenance

REFRIGERANT R410A

Page V-040

VRF V-IV

Maximum 48 HP Heat Pump

Smart, cutting-edge design
Extensive lineup from 8 HP to 48 HP with the capacity ratio of indoor units connectable up to 150%.

- Simultaneous cooling and heating operation using a single refrigerant system
- Annual cooling operation
- Accommodating changes in temperature difference

REFRIGERANT R410A

Page V-050

Design Simulator

When installing air conditioning equipment in each room of a building, it is necessary to select an indoor unit suitable for the heat load in the room and derive an outdoor unit that can cover the capacity of all indoor units. In addition, remote controls and converters are selected according to how the customer will manage the air conditioner, and in some cases, a design combined with options may be required to comply with established standards. The "Design Simulator" can be used to facilitate the selection of such complex equipment and the output of system drawings and estimates. (Software for PC)

For more information

VRF Outdoor Units Lineup

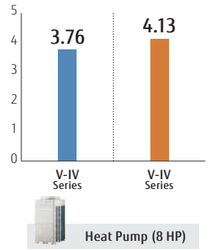
Capacity (kW)		Refrigerant	12.1	14.0	15.1-15.5	22.4	28.0	33.5	40.0	45.0	50.0-50.4	55.9	61.5	67.0	73.5	78.5	85.0	90.0	95.0	100.5	107.0	112.0	118.5	123.5	130.0	135.0
HP			4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
NEW J-VS Series		R32	AJY040 KCTAH	AJY045 KCTAH	AJY054 KCTAH																					
J-IVS Series		R410A	AJY040 LCLDH	AJY045 LCLDH	AJY054 LCLDH																					
J-IV Series		R410A	AJY040 LBLDH, AJY040 LELDH	AJY045 LBLDH, AJY045 LELDH	AJY054 LBLDH, AJY054 LELDH																					
J-IVL Series		R410A				AJY072 LELDH	AJY090 LELDH	AJY108 LELDH	AJY126 LELDH	AJY144 LELDH	AJY162 LELDH															
VR-IV Series Heat Recovery	Space Saving Set Model	R410A				AJY072 GALDH	AJY090 GALDH	AJY108 GALDH	AJY126 GALDH	AJY144 GALDH	AJY162 GALDH	AJY180 GALDH	AJY198 GALDH	AJY216 GALDH	AJY234 GALDH	AJY252 GALDH	AJY270 GALDH	AJY288 GALDH	AJY306 GALDH	AJY324 GALDH	AJY342 GALDH	AJY360 GALDH	AJY378 GALDH	AJY396 GALDH	AJY414 GALDH	AJY432 GALDH
	Energy Efficiency Set Model	R410A								AJY144 GALDHH			AJY198 GALDHH	AJY216 GALDHH	AJY234 GALDHH	AJY252 GALDHH	AJY270 GALDHH	AJY288 GALDHH	AJY306 GALDHH	AJY324 GALDHH	AJY342 GALDHH	AJY360 GALDHH	AJY378 GALDHH	AJY396 GALDHH		
V-IV Series Heat Pump	Space Saving Set Model	R410A				AJY072 LALDH	AJY090 LALDH	AJY108 LALDH	AJY126 LALDH	AJY144 LALDH	AJY162 LALDH	AJY180 LALDH	AJY198 LALDH	AJY216 LALDH	AJY234 LALDH	AJY252 LALDH	AJY270 LALDH	AJY288 LALDH	AJY306 LALDH	AJY324 LALDH	AJY342 LALDH	AJY360 LALDH	AJY378 LALDH	AJY396 LALDH	AJY414 LALDH	AJY432 LALDH
	Energy Efficiency Set Model	R410A								AJY144 LALDHH		AJY180 LALDHH		AJY216 LALDHH	AJY234 LALDHH	AJY252 LALDHH	AJY270 LALDHH	AJY288 LALDHH	AJY306 LALDHH	AJY324 LALDHH	AJY342 LALDHH	AJY360 LALDHH	AJY378 LALDHH	AJY396 LALDHH		

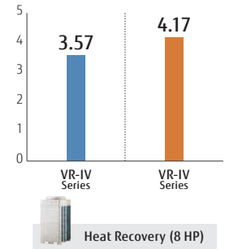
Features

High-efficiency

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

DC twin-rotary compressor

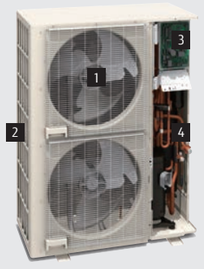




* These specifications are determined by ducted combination.

High-efficiency design with top-class SEER/SCOP

All the VRF Series, including the J-IVL Series, have DC technology to achieve high-efficiency operation. This enhances the durability and reliability of the VRF Series.



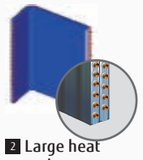
J-IVL Series

J-IV Series

J-IVS Series

1 DC fan motor

3 DC invertor control



2 Large heat exchanger

4 Subcooling heat exchanger

V Series

1 3-phase DC fan motor

3 Sine-wave DC invertor control

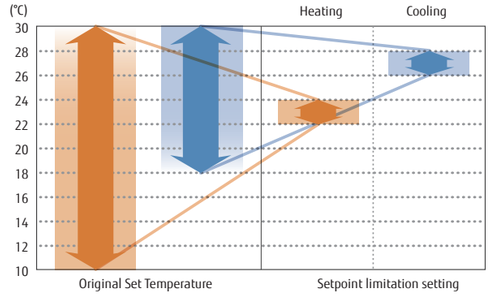
2 Large heat exchanger

4 Subcooling heat exchanger

Efficient control of operation

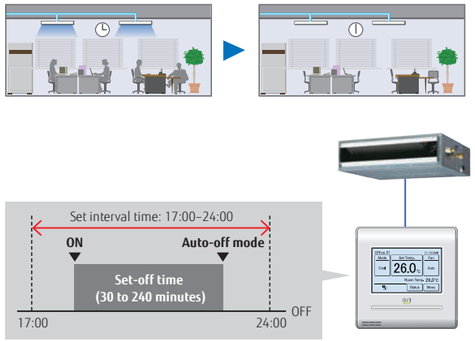
Setting temperature range limitation

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



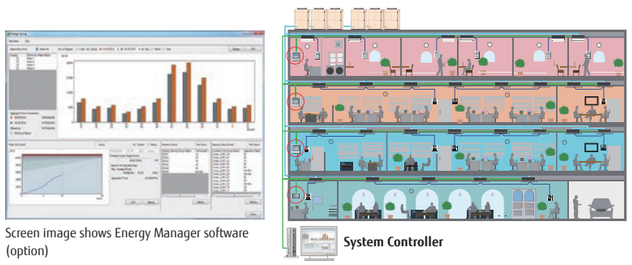
Auto-off timer

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



Energy-saving management

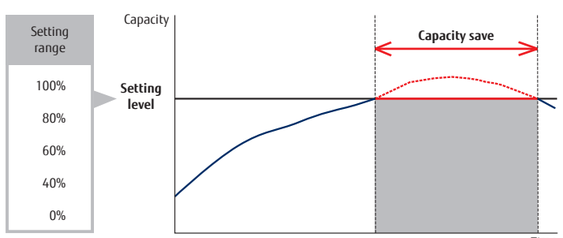
A variety of energy-saving operations can be set and managed depending on the season, climate, and time period.
Excellent energy-saving operation using the system controller.



Screen image shows Energy Manager software (option)

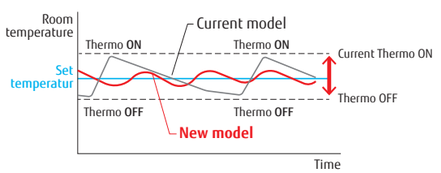
Capacity-saving mode

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



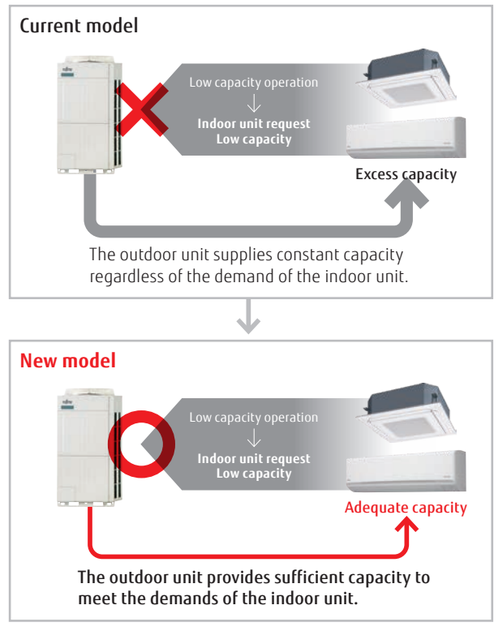
Intelligent refrigerant control

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



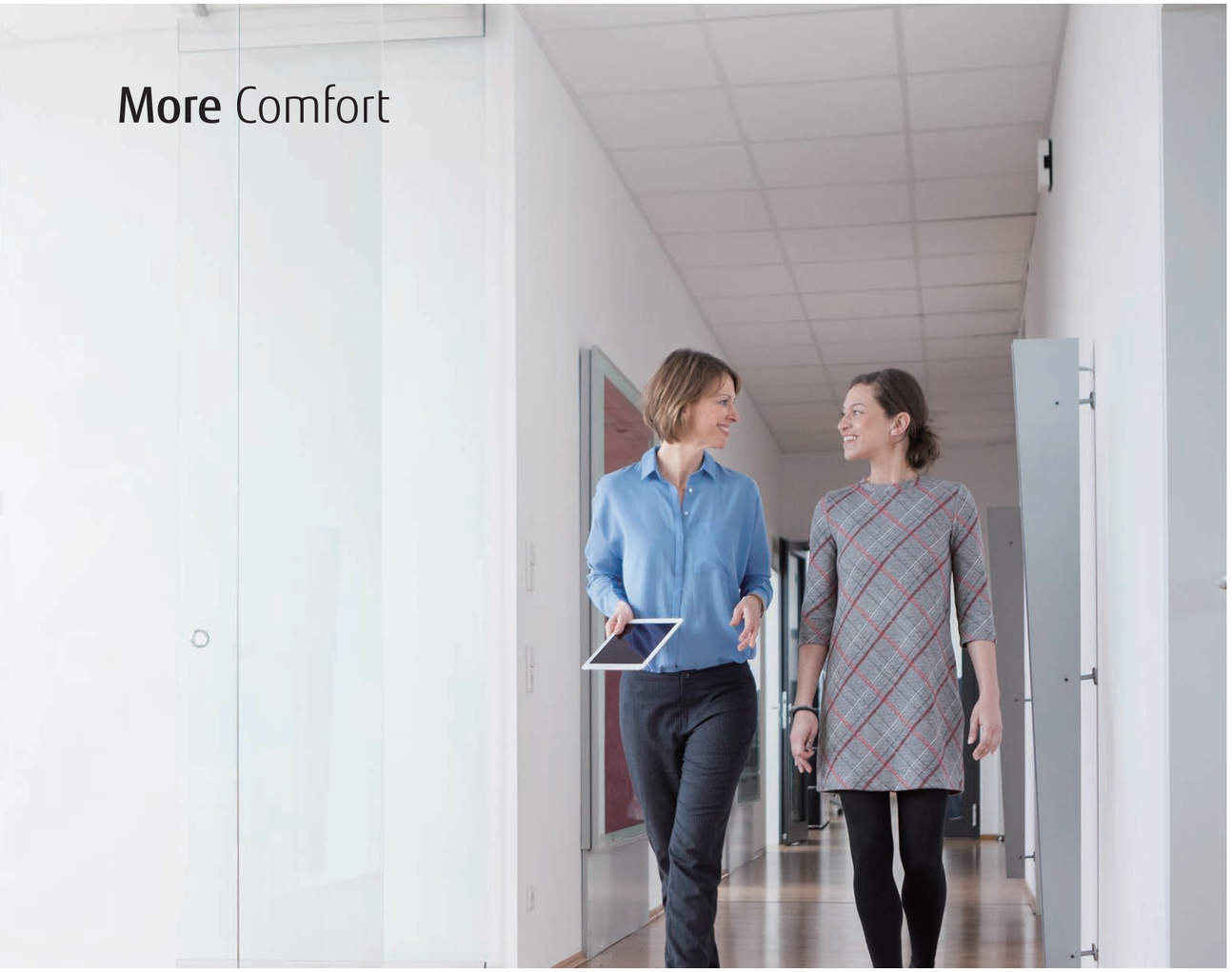
Current refrigerant control
Thermostat-ON/OFF occurs frequently.
→ Frequent changes in room temperature interfere with comfort. The compressor starts and stops repeatedly, wasting energy.

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



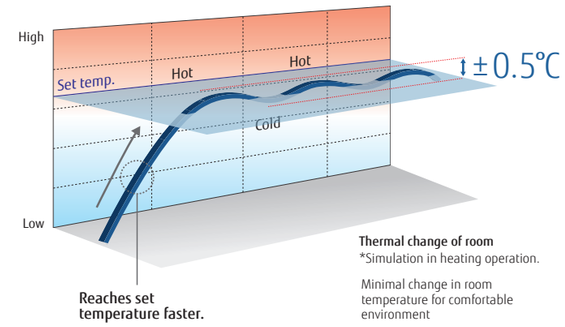
* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

More Comfort



Precise control of refrigerant flow

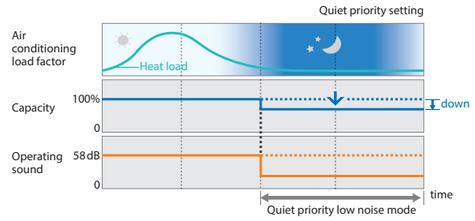
The combination of DC inverter control and individual control of electronic expansion valves of an indoor unit enables precise and smooth control of the refrigerant flow. This means the room temperature can be set in increments of 0.5°C.

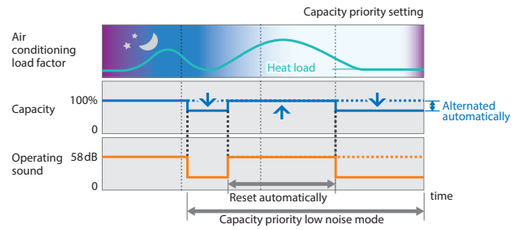


Quiet operation

Quiet operation

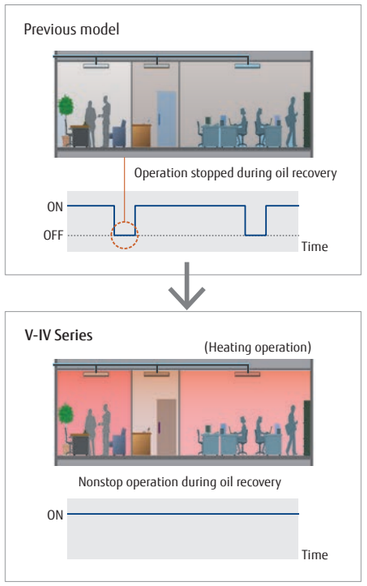
Two low noise modes can be switched over automatically between one in which low noise is prioritized over performance, and the other in which performance is prioritized over low noise, depending on the room temperature and outdoor temperature. This feature can be controlled by external input from the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





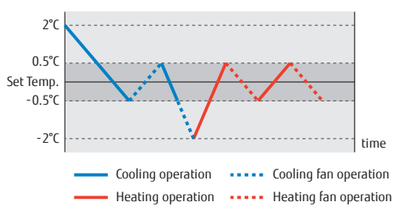
Non-stop oil recovery operation

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



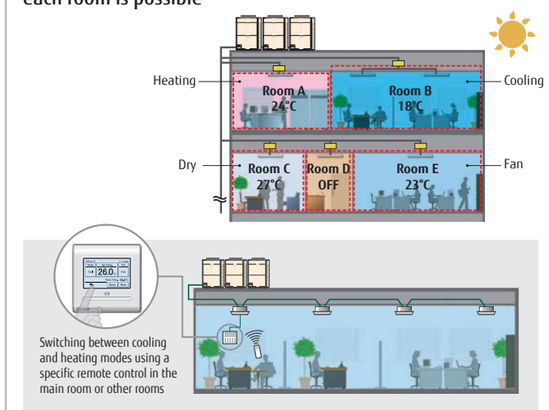
Auto changeover

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



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

Automatic cooling/heating operation for each room is possible

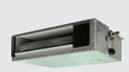


NEW Switching room temperature sensing position for improved heating comfort (Option)

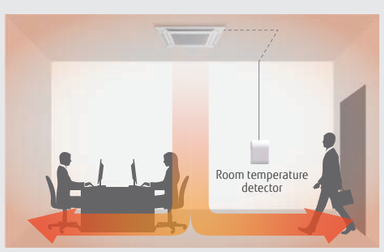
The optional remote sensor kit (UTY-XSZXZ1) can be connected to the indoor unit to improve comfort by installing the unit at a height appropriate for the living environment.

Connectable products

ALL Cassette types


ALL Duct types

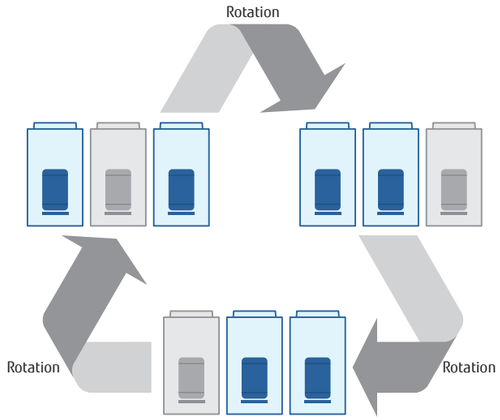
ALL Wall-mounted types



High Reliability

Outdoor unit rotation

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

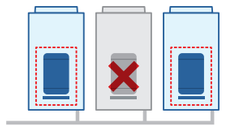


The start and stop timings are alternated among connected compressors.

Backup operation

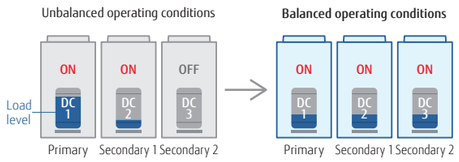
If one compressor fails, the other compressors will initiate backup operation*.

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



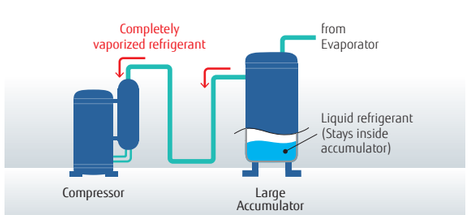
Advanced refrigerant control

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



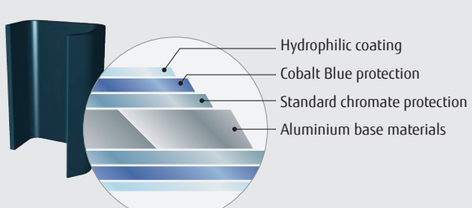
Protection against liquid flowback

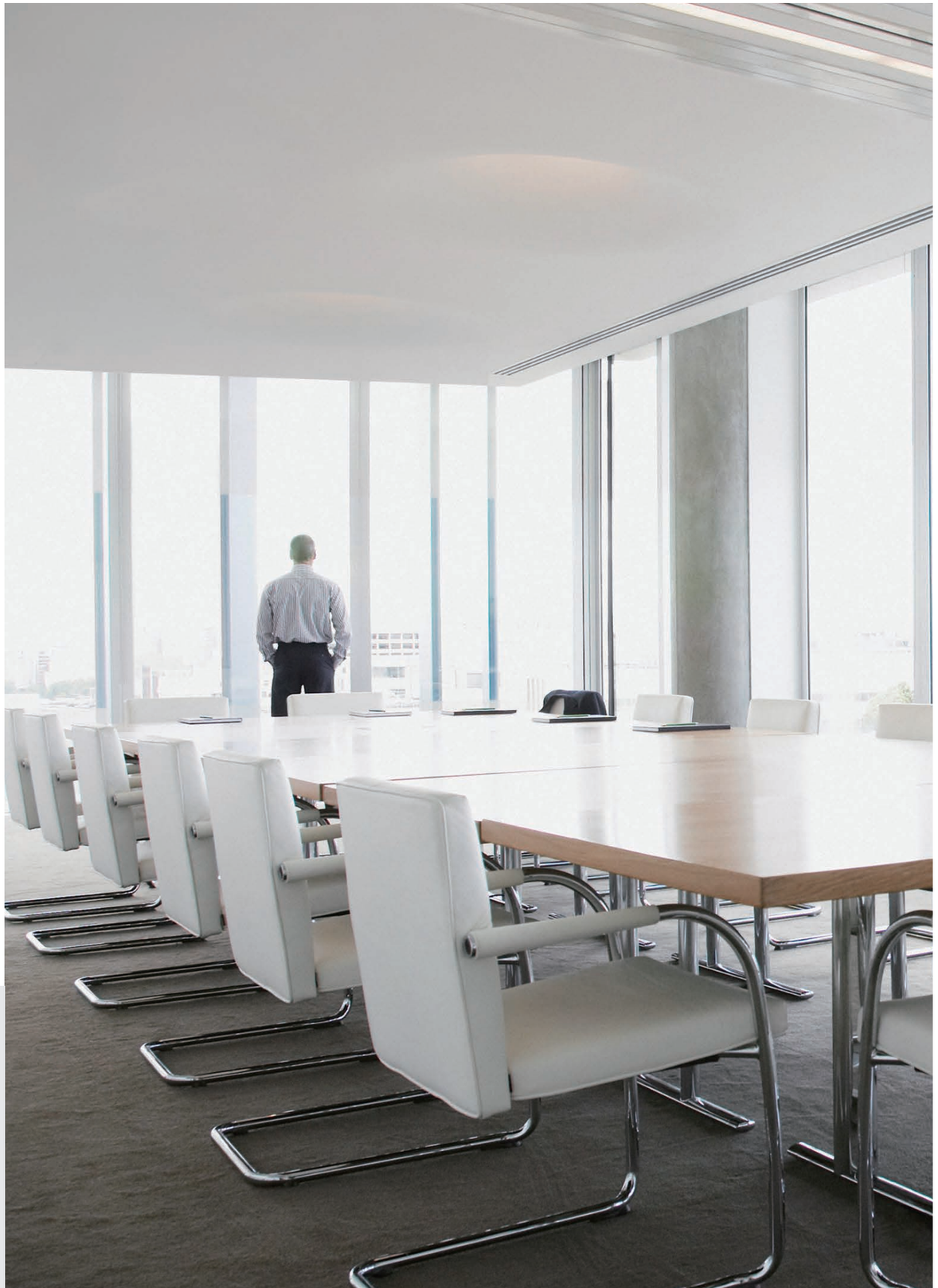
The use of a large accumulator means that refrigerant that has not been completely vaporized stays inside the accumulator to ensure no liquid refrigerant is fed into the compressor.



Blue fin heat exchanger

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





Design Flexibility

Class-leading compact design

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

VRF J Series Compact Outdoor Unit

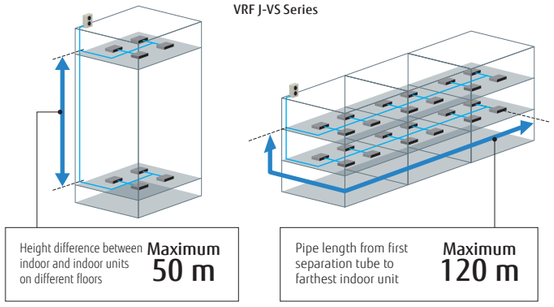
J-VS J-IVS J-IV J-IVL J-IVL High-capacity model

Long pipe design

Pipe design suitable for long and narrow office buildings with elevation differences and low-rise stores with long distances

(VRF J-IVL Series)

VRF J-VS Series



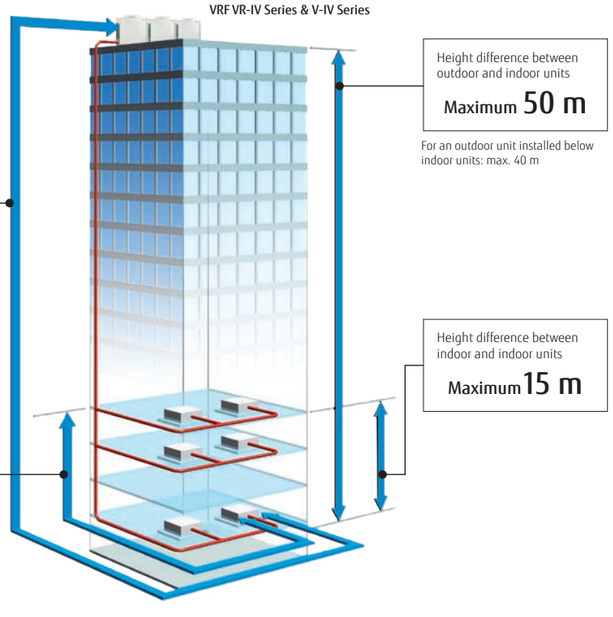
Height difference between indoor and indoor units on different floors **Maximum 50 m**

Pipe length from first separation tube to farthest indoor unit **Maximum 120 m**

Max. allowable overall pipe length: 1,000 m

The class-leading pipe length of 1,000 m increases flexibility of installation in a wide variety of buildings.

VRF VR-IV Series & V-IV Series



Actual pipe length **Maximum 165 m**

Height difference between outdoor and indoor units **Maximum 50 m**

For an outdoor unit installed below indoor units: max. 40 m

Pipe length from first separation tube to farthest indoor unit **Maximum 90 m**[*1]

Height difference between indoor and indoor units **Maximum 15 m**

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

High-capacity connection

Series		Connectable indoor unit capacity range	Connectable indoor units
	VRF J-VS Series Heat pump type	50% to 130%	up to 13[*5]
	VRF J-IVS Series Heat pump type	50% to 130%	up to 13[*5]
	VRF J-IV Series Heat pump type	50% to 150%	up to 14[*5]
	VRF J-IVL Series 14/16/18 HP Heat pump type	50% to 150%	up to 42[*3]
	VRF J-IVL Series 8/10/12 HP Heat pump type	50% to 150%	up to 30[*4]
	VRF VR-IV Series Heat Recovery Modular type	25%[*5] to 150%	up to 64
	VRF V-IV Series Heat Pump Modular type	50% to 150%[*2]	up to 64

*2: The maximum capacity of the combination that includes the 18-HP outdoor unit is below 150%.

*3: J-IVL Series 18-HP model only.

*4: J-IVL Series 12-HP model only.

*5: 6-HP model only.

Designed for low refrigerant charge

The optimal design of the indoor and outdoor units reduces the amount of refrigerant required and can be easily installed in a room as small as 15 m^2.

Various optional parts

- Fresh air intake kit to bring in fresh air
- Comfortable temperature control with a remote sensor
- DX kit links ventilation equipment and air handling units.

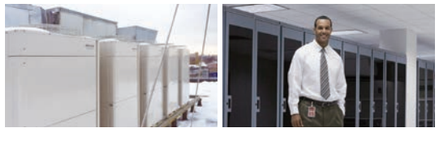
Fresh air intake kit

EEV unit

Control unit

Low ambient operation

Our refrigeration cycle technology enables cooling operation even at -15°C.

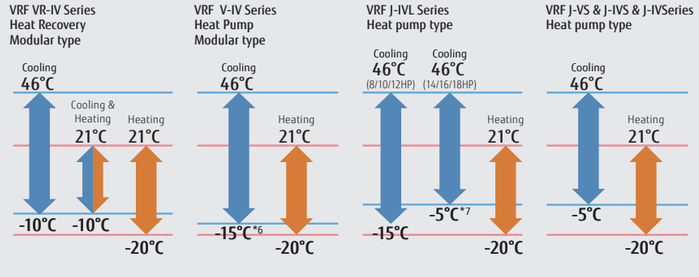


Wide operating temperature range

All outdoor units have a wide operating temperature range and can operate in extreme temperature conditions.

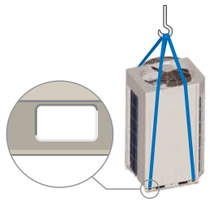
*6: When multiple outdoor units are connected, their operating temperature range is from -5°C to 46°C in cooling.

*7: The operating range is -15°C to 46°C only for systems with all indoor units rated at 5.6 kW or more.



Easy Installation

Easily transported



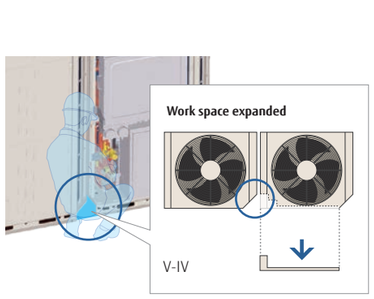
A lifting strap can be hooked onto an outdoor unit
Design of outdoor unit allows for lifting straps to be used

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

Fits into a small elevator.

Easy access

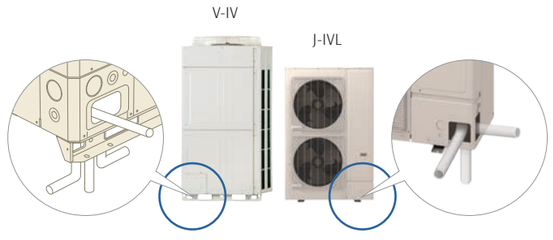
The removable L-shaped front panel provides more room for installation and service work. Multiple installations can be performed easily and efficiently even in tight spaces.



Front access reduces installation intervals

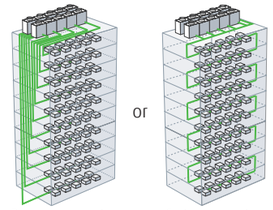
Flexible pipe connection

Piping and wiring can be accessed from the front, left, right, and bottom.



Simplified wiring work

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

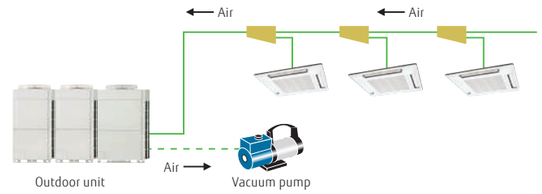


Maximum wiring length:
3,600 m

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

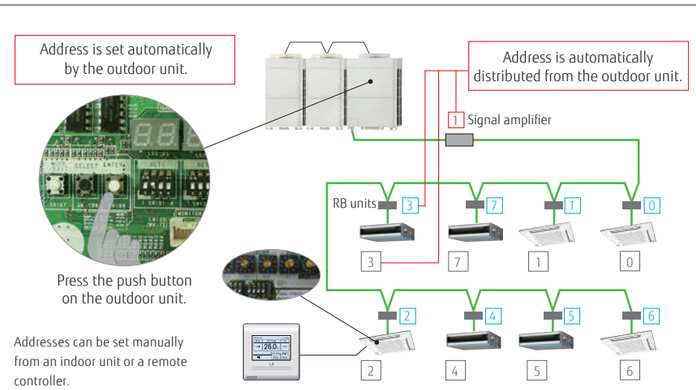
Vacuum mode function for easy evacuation

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



Automatic address setting

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



Easy commissioning with Tools

• Service Tool (UTY-ASGXZ1)

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

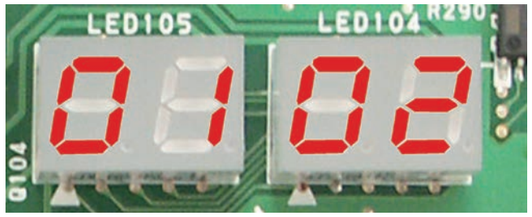
NEW • Central Remote Controller (UTY-DCGYZ3)

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

Easy Service and Maintenance

Designed for easy maintenance

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

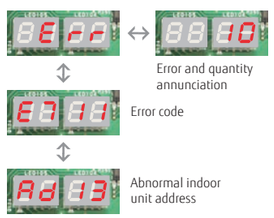


Easy-to-read 7-segment indicator lamp

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

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

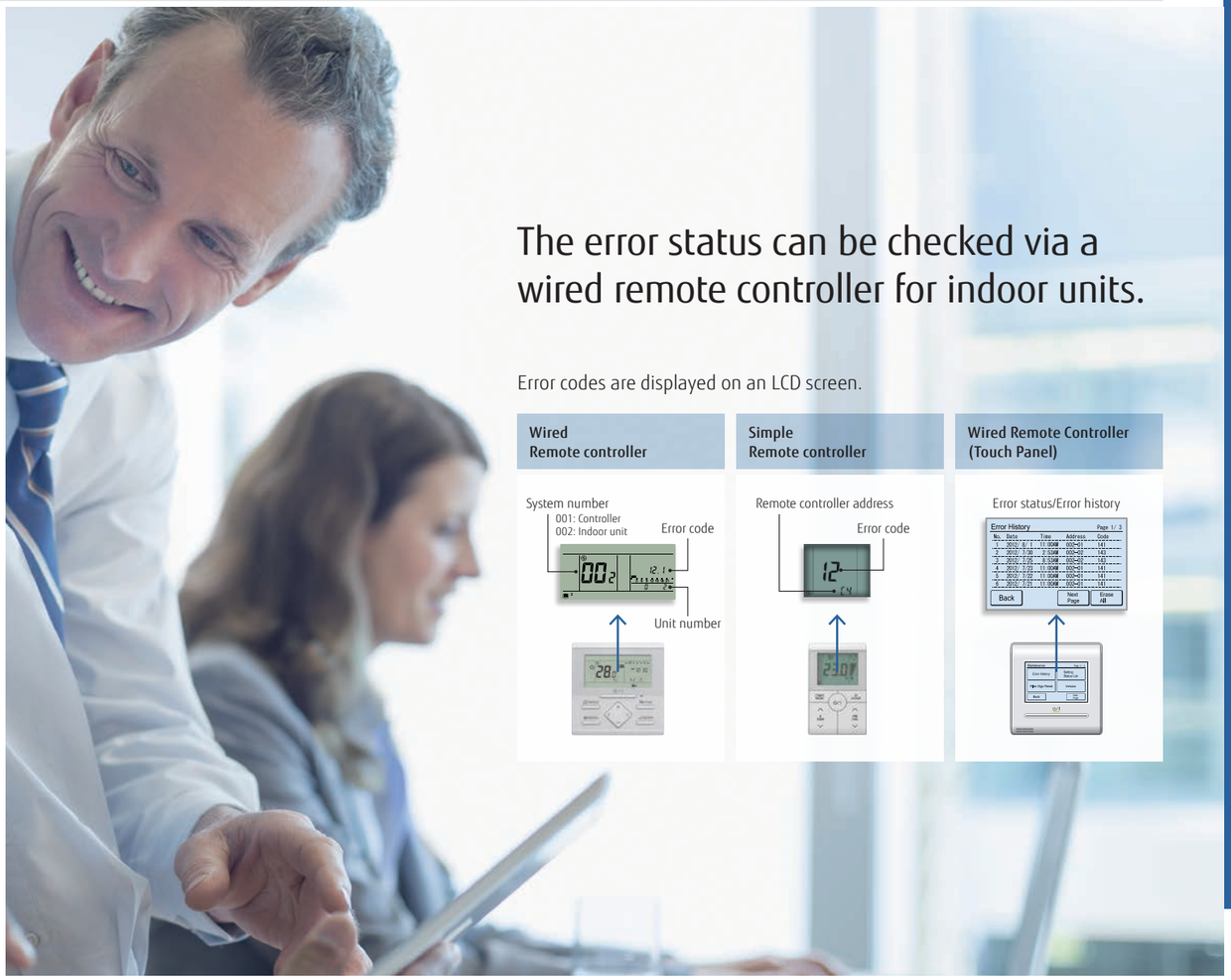
- System operation mode
- Discharge temperature and pressure
- Compressor operation status
- Address, type, and number of outdoor unit



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

Movable PCB panel

Enables easier access behind the PCB for maintenance work.



The error status can be checked via a wired remote controller for indoor units.

Error codes are displayed on an LCD screen.

Wired Remote controller

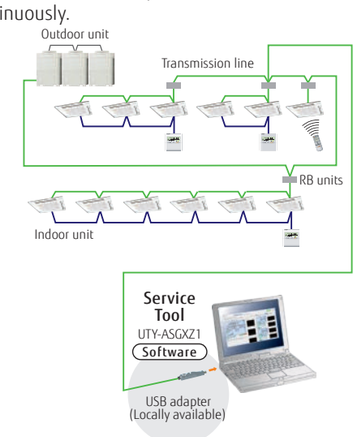
Simple Remote controller

Wired Remote Controller (Touch Panel)

Error diagnosis by Service tool

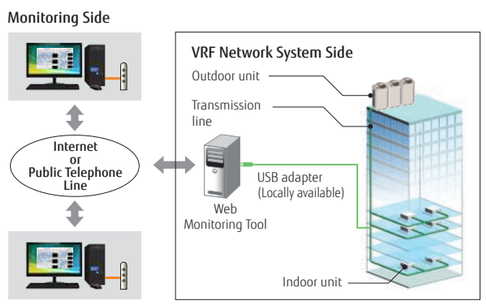
Connection to Service tool

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



Remote monitoring

The Web Monitoring system enables the monitoring of the system's operation status at any time via the internet to ensure trouble-free operation.
The operating VRF network system in the building can be monitored real time over the internet.



NEW

REFRIGERANT R32

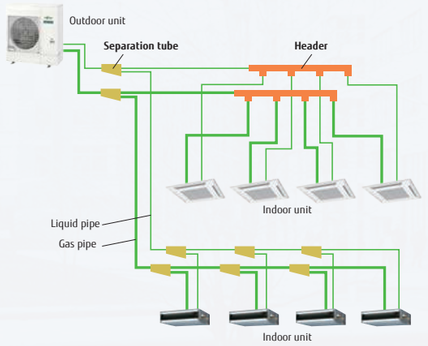
Heat Pump

for Small-capacity type

VRF J-VS

System configuration example

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



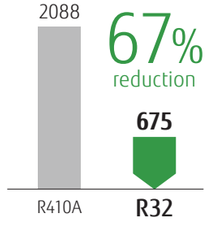
Outdoor unit

REFRIGERANT R32

R32 refrigerant with reduced global warming potential

- **Zero** Ozone Depletion Potential (ODP*1)
- High environmental properties
- High performance
- Economically efficient

GWP*2 (Reference: IPCC 4th Report)



*1 **ODP (Ozone Depleting Potential):** a relative value that indicates the impact per unit weight of ozone-depleting substances released into the atmosphere when CFC-11 (trichlorofluoromethane, CCl3F) is fixed at 1.0

*2 **GWP (Global Warming Potential):** a measurement that indicates how much other greenhouse gases are capable of warming the Earth based on carbon dioxide This is the integrated value of radiant energy given to the Earth (i.e., the estimated impact on global warming) expressed as a ratio to CO_2.

Sustainable

European F-Gas Regulation Plan

In light of the UN recommendations, Japanese government targets, and recent social trends, we have set a new long-term target of FY2050 as the target year, and reviewed our medium-term targets to achieve the long-term target. by resolution of the Board of Directors in August 2023.

2029 Available at J-VS

Split AC & HP
Over 12 kW:
GWP 750 and above prohibited
12 kW or less:
GWP 150 and above prohibited

2033

Split AC & HP
Over 12 kW:
GWP 150 and above prohibited

2035

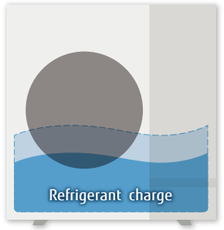
Split AC & HP
HFC use prohibited

2050

an economy with **net-zero** greenhouse gas emissions.

Refrigerant saving design

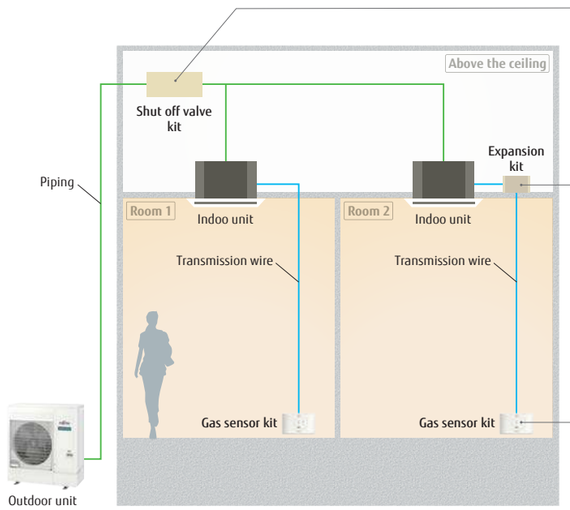
Refrigerant saving design the compact indoor unit, piping design, and optimization of heat exchanger volume significantly reduce the system refrigerant volume.



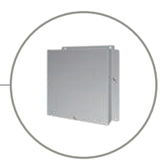
Refrigerant charge
-32%
*From current model

Enhanced disaster safety measures

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



NEW
Shut off valve kit
UTP-GX027A, UTP-GX060A
Block the path to prevent refrigerant flow in the event of a refrigerant leakage.



NEW
Expansion kit
UTZ-JXXA*
Used to ensure standards compliance and safety when R32 VRF products are installed.
*Connection cable (UTY-XWZXZL) is required.

NEW
Gas sensor kit
UTY-SGZY
Gas Sensor kit Used to ensure standards compliance and safety when R32 VRF products are installed.

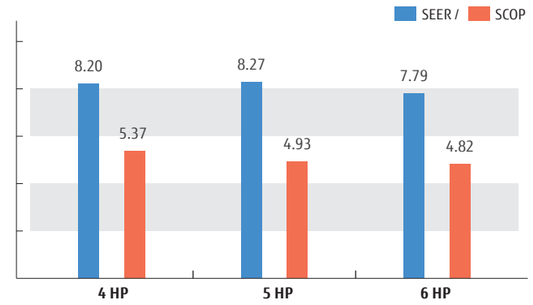
Saving CO2

TOP Class High Energy Saving

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

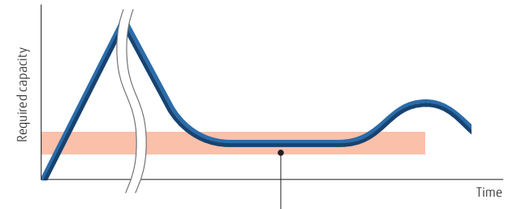
SEER **8.27**
*045 model

SCOP **5.37**
*040 model



More Energy-Saving compressor control

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

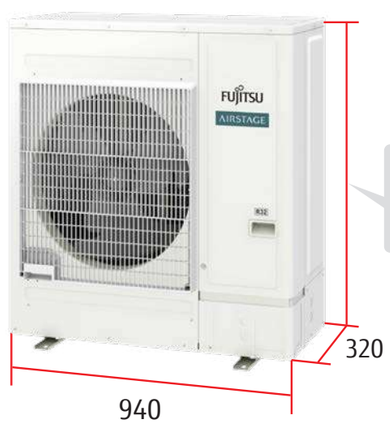


Can be operated at a lower rps than the current model.

Minimum,
15 rps
Low power consumption

Small Body

Easy to carry, easy to install



Light
74kg

Height difference
998mm

Small, lightweight outdoor unit

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

Low noise design

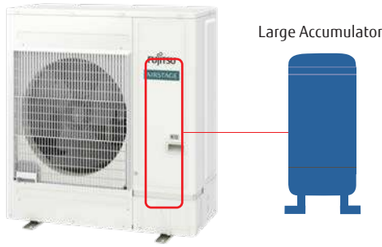
Significantly low noise levels are achieved by the use of a DC twin-rotary compressor, inverter technology, and an advanced airflow pattern design.

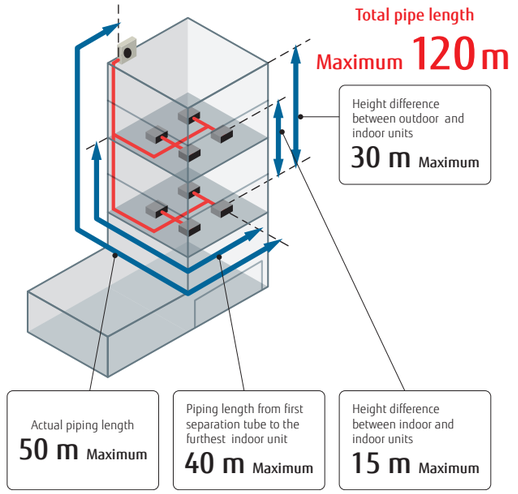
Situational Piping Design

Long pipe length

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

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





Up to 13 indoor units* can be connected

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

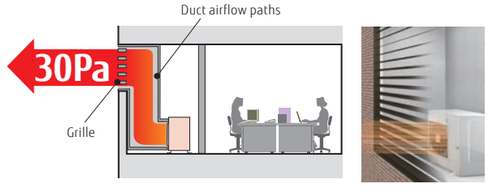
*: 6 HP model

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

Sightliness installation

External static pressure

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



Cooling piping system

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

4, 5, 6 HP: AJY040KCTAH / AJY045KCTAH / AJY054KCTAH

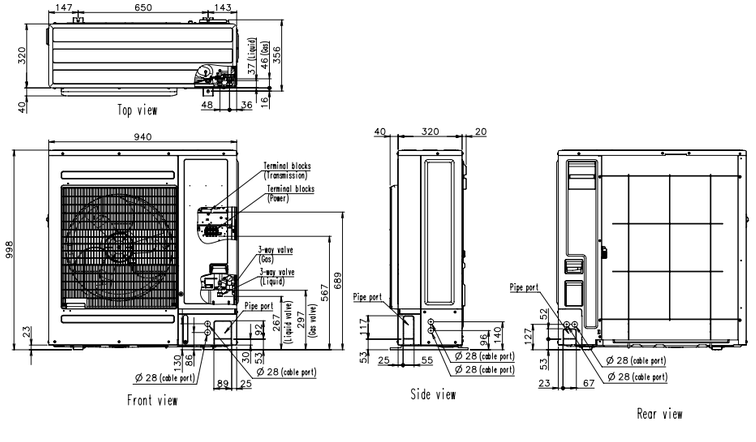
Specifications

Rated capacity range		HP	4	5	6
Model name			AJY040KCTAH	AJY045KCTAH	AJY054KCTAH
Maximum connectable indoor units			1-11	1-12	1-13
Power source			Single phase, ~230 V, 50 Hz		
Capacity	Cooling	kW	12.1	14.0	15.1
	Nominal Heating		12.1	14.0	15.1
	Max. Heating		13.6	16.0	16.5
Input power	Cooling	kW	3.15	3.82	4.48
	Nominal Heating		2.55	2.91	3.20
	Max. Heating		3.09	3.62	3.90
EER	Cooling	W/W	3.84	3.66	3.37
COP	Nominal Heating		4.74	4.80	4.71
	Max. Heating		4.40	4.41	4.22
SEER	Cooling		8.20	8.27	7.79
SCOP	Heating		5.37	4.93	4.82
ηc	Cooling	%	325.0	328.0	308.6
ηh	Heating		212.0	194.0	189.8
Airflow rate		m^3/h	4,240	4,450	4,450
Sound pressure level/ Power level	Cooling	dB(A)	52 / 70	53 / 71	54 / 72
	Heating		54 / 71	55 / 72	56 / 73
Heat exchanger fin			Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	998	998	998
	Width		940	940	940
	Depth		320	320	320
Weight		kg	74	74	74
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	2.7 (1.823)	2.7 (1.823)	2.7 (1.823)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52
	Gas		15.88	15.88	15.88
Total pipe length		m	120	120	120
Max. height difference			30	30	30
Operating Range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21

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

Dimensions

(Unit: mm)



REFRIGERANT R410A

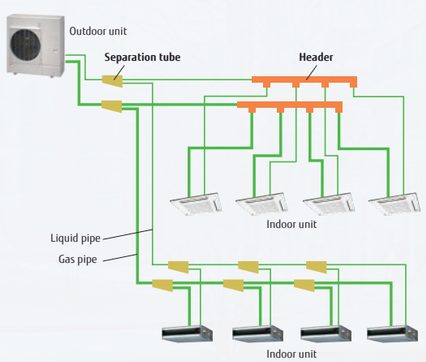
Heat Pump

for Small-capacity type

VRF J-IVS

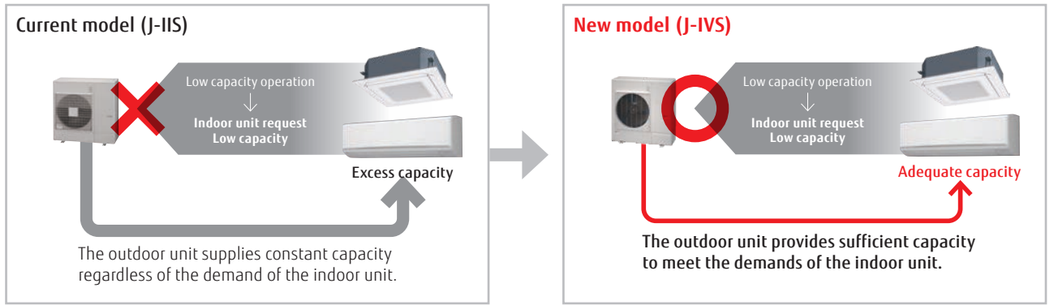
System configuration example

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



New intelligent refrigerant control

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

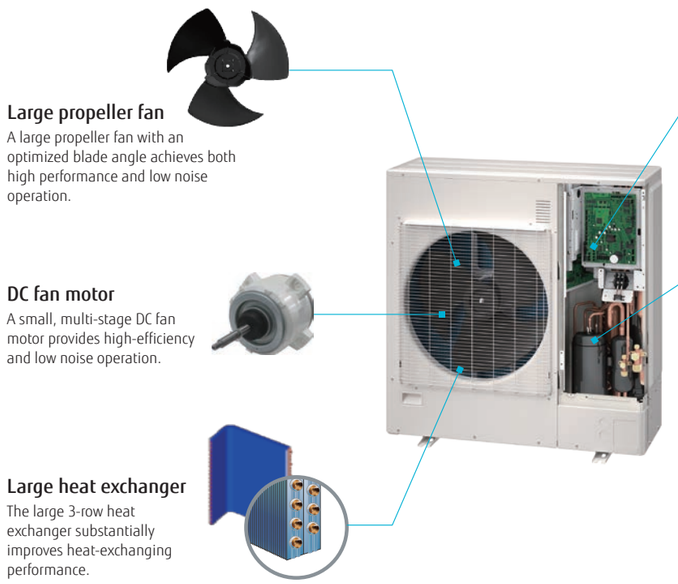


* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

External static pressure

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

Advanced high-efficiency technology



Large propeller fan

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

DC fan motor

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

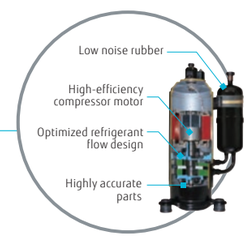
Large heat exchanger

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

High heat-transfer copper tube (Improved lead angle)

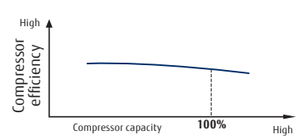
DC inverter control

The active filter module improves efficiency.

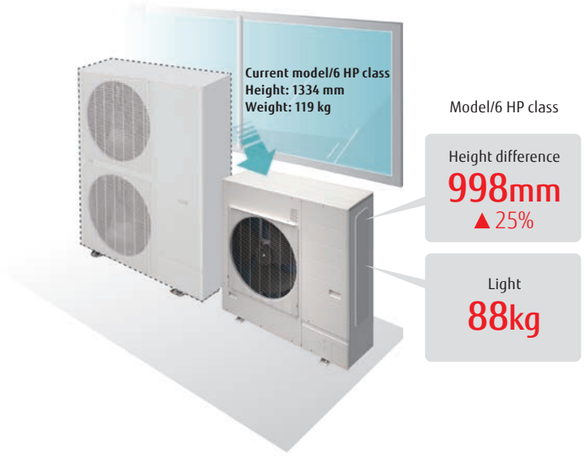


Compact and high-performance DC twin-rotary compressor

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

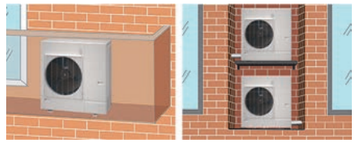


Easy to carry, easy to install



Small, lightweight outdoor unit

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

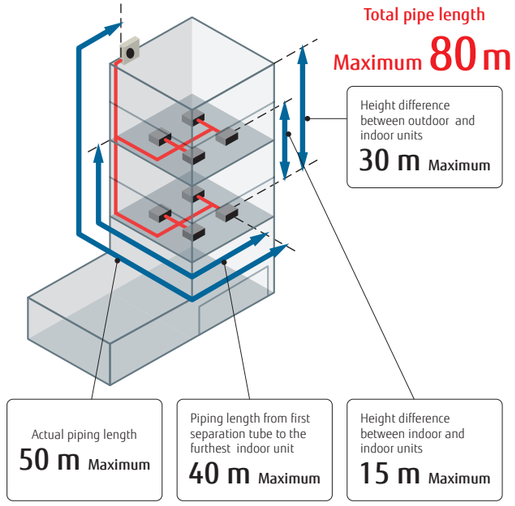


Low noise design

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

Long pipe length

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



Up to 13 indoor units* can be connected

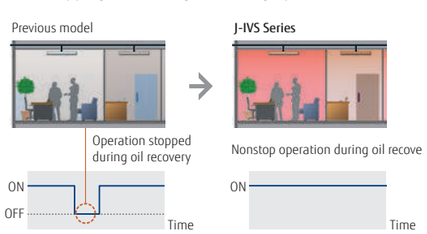
The combination of smaller but sufficiently powerful indoor units and a new outdoor unit with an optimized heat exchanging structure makes it possible to connect up to 13 indoor units, which is the best in its class.

*: 6 HP model

Model	Current model (J-IIS)			New model (J-IVS)		
Rating Capacity range (HP)	4	5	6	4	5	6
Max. Connectable indoor unit	1-7	1-8	1-8	1-11	1-12	1-13

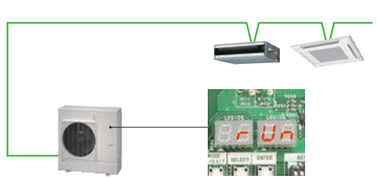
Non-stop oil recovery operation

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



Easier installation

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



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

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

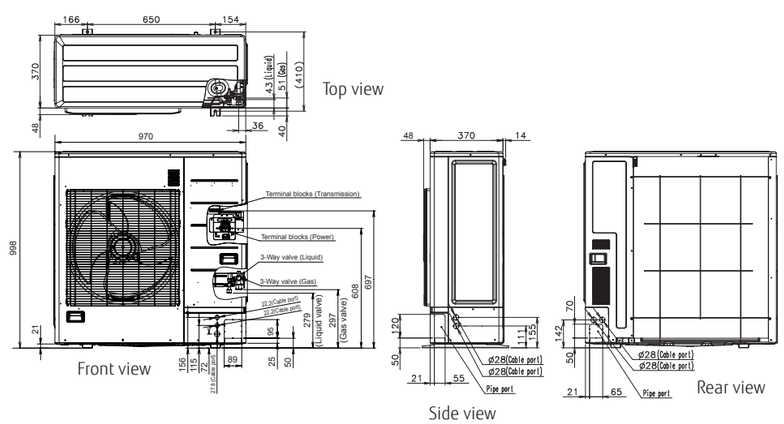
Specifications

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

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

Dimensions

(Unit: mm)



REFRIGERANT R410A

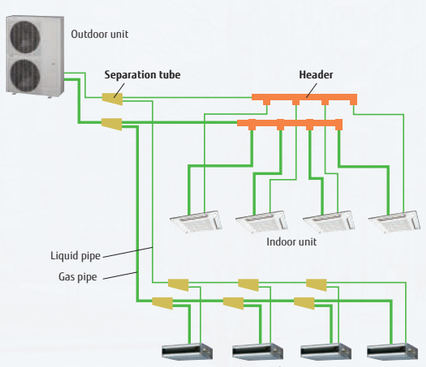
Heat Pump

for Small-capacity type

VRF J-IV

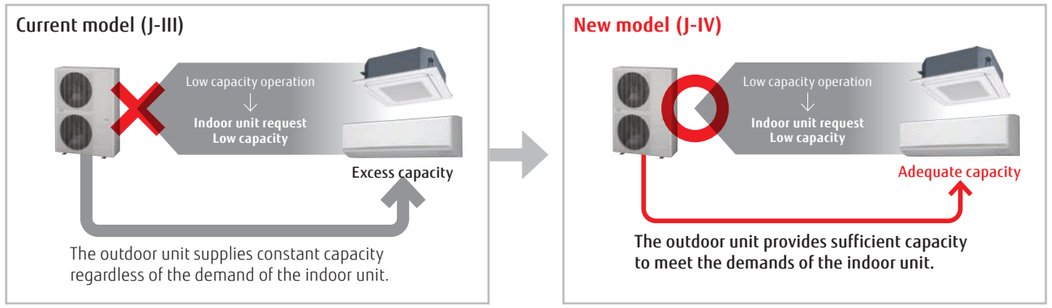
System configuration example

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



New intelligent refrigerant control

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



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

External static pressure

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

Advanced high-efficiency technology

Large propeller fan

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

DC fan motor

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

Large heat exchanger

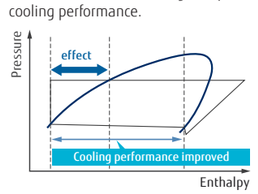
The large 3-row heat exchanger substantially improves heat-exchanging performance.

DC inverter control

The active filter module improves efficiency.

Subcooling heat exchanger

The dual-tube heat exchanger improves cooling performance.

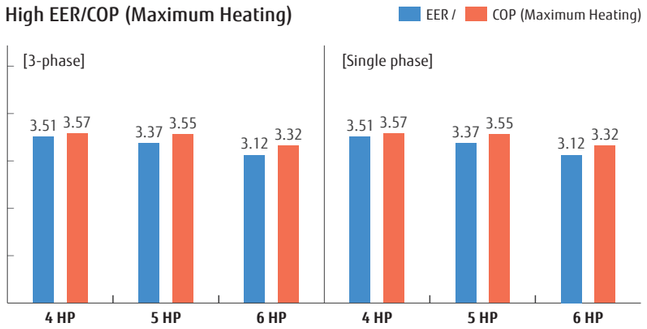


DC twin-rotary compressor

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

Efficiency in actual operating conditions

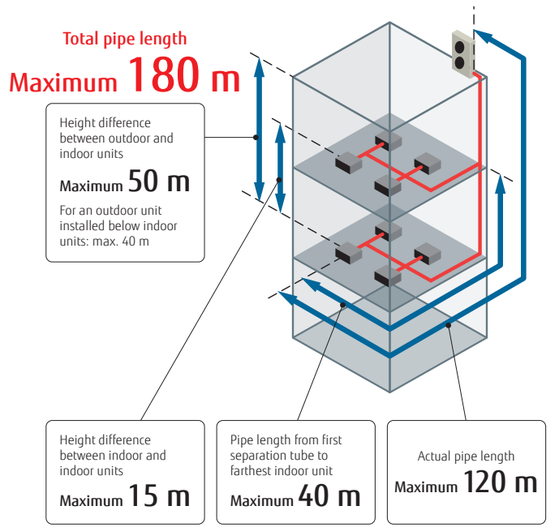
The use of a large heat exchanger and a high-efficiency Scroll compressor achieves class-leading EER/COP (Max. Heating) in all models.



* These specifications are determined by cassette combination.

Long pipe length

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



Up to 14 indoor units* can be connected

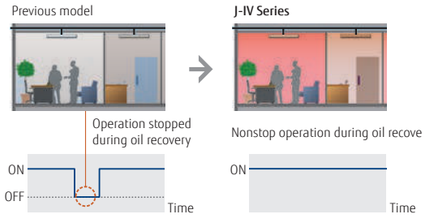
The combination of smaller but sufficiently powerful indoor units and outdoor units with an optimized heat exchanging structure makes it possible to connect up to 14 indoor units, which is the best in its class.

*: 6 HP model

Model	Current model (J-III)			New model (J-IV)		
Rating Capacity range (HP)	4	5	6	4	5	6
Max. Connectable indoor unit	1-9	1-10	1-13	1-11	1-12	1-14

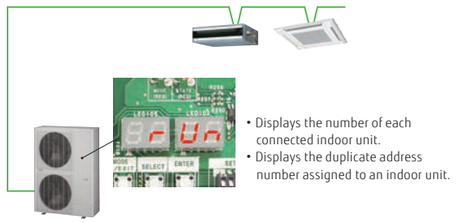
Non-stop oil recovery operation

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



Easier installation

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



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

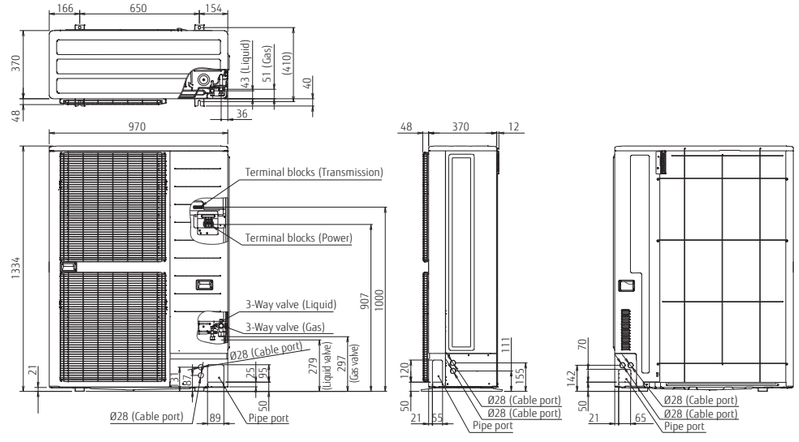
Specifications

Rated capacity range		HP	4	5	6	4	5	6
Model name			AJY040LBLDH	AJY045LBLDH	AJY054LBLDH	AJY040LELDH	AJY045LELDH	AJY054LELDH
Maximum connectable indoor units			1-11	1-12	1-14	1-11	1-12	1-14
Power source			Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz		
Capacity	Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
	Nominal Heating		12.1	14.0	15.5	12.1	14.0	15.5
	Max. Heating		13.6	16.0	18.0	13.6	16.0	18.0
Input power	Cooling	kW	3.44	4.15	4.96	3.44	4.15	4.96
	Nominal Heating		3.14	3.60	4.17	3.14	3.60	4.17
	Max. Heating		3.80	4.50	5.41	3.80	4.50	5.41
EER	Cooling	W/W	3.51	3.37	3.12	3.51	3.37	3.12
COP	Nominal Heating		3.85	3.88	3.71	3.85	3.88	3.71
	Max. Heating		3.57	3.55	3.32	3.57	3.55	3.32
SEER	Cooling		6.50	6.30	6.08	6.50	6.30	6.08
SCOP	Heating		3.83	3.93	3.94	3.83	3.93	3.94
ηc	Cooling	%	257.0	249.0	240.0	257.0	249.0	240.0
ηh	Heating		150.0	154.0	155.0	150.0	154.0	155.0
Airflow rate		m^3/h	6,200	6,600	7,000	6,200	6,600	7,000
Sound pressure level/ Power level	Cooling	dB(A)	50 / 65	52 / 66	53 / 67	50 / 65	52 / 66	53 / 67
	Heating		52 / 67	55 / 69	56 / 69	52 / 67	55 / 69	56 / 69
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,334	1,334	1,334	1,334	1,334	1,334
	Width		970	970	970	970	970	970
	Depth		370	370	370	370	370	370
Weight		kg	117	117	119	118	119	119
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas		15.88	15.88	19.05	15.88	15.88	19.05
Total pipe length		m	180	180	180	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)			50/40 (Outdoor unit: Upper/Lower)		
Operating Range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

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

Dimensions

(Unit: mm)



REFRIGERANT R410A

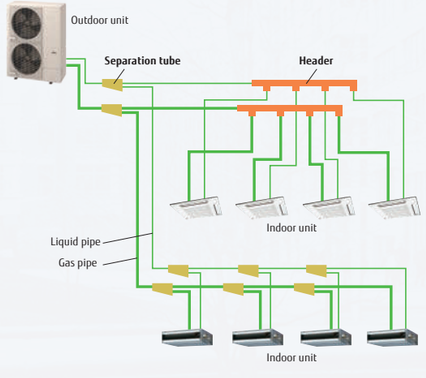
Heat Pump

for Small-capacity type

VRF J-IVL

System configuration example

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



New intelligent refrigerant control

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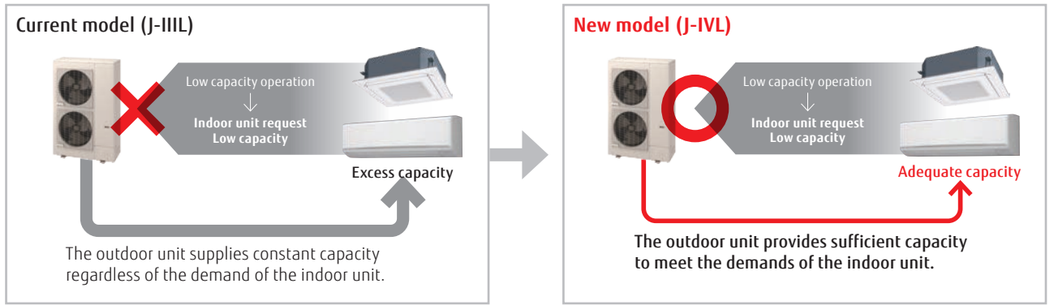
The refrigerant control operates with suitable control corresponding to the heat load of the room and offers a more comfortable environment. The refrigerant control can also provide increased energy savings.



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

External static pressure

External static pressure is available up to 60 Pa for 14/16/18 HP.
(30 Pa for 8/10 HP, 40 Pa for 12 HP)

Capacities are slightly decreased relative to the rated values during high static pressure operations.

Advanced high-efficiency technology

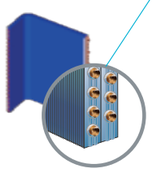
∅570 mm

Large propeller fan

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

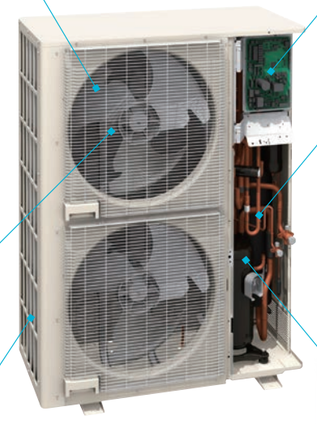
DC fan motor

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



Large heat exchanger

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



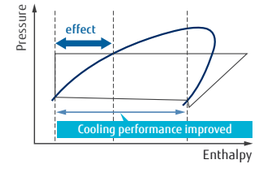
15 to 130 rps

DC inverter control

The active filter module improves efficiency.

Subcooling heat exchanger

The dual-tube heat exchanger improves cooling performance.



Scroll compressor

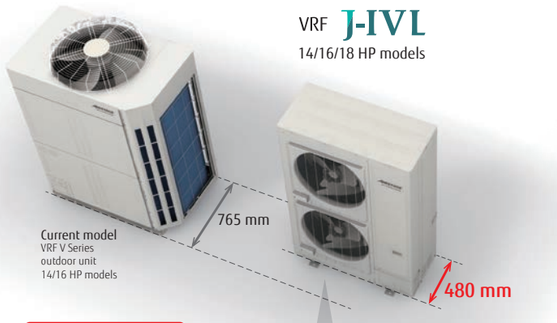
The combination of a scroll compressor with a wide rotational frequency range from 15 to 130 rps and our proprietary sensorless sine-wave control that smoothly controls the input power into the motor achieves more energy-efficient and quieter operation.

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

VRF J-IVL

Image: 8/10/12 HP models

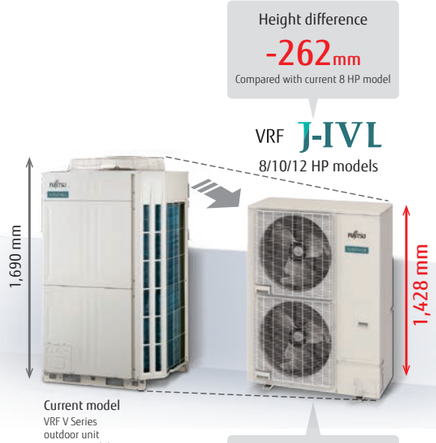
Slim & Compact design



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

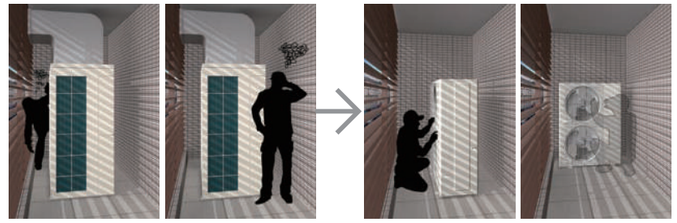
Space requirement
-45%!
Compared with current 14/16 HP models

Weight
-62kg!
Compared with current 16 HP model



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

Various installation methods



VRF V Series outdoor unit

VRF J Series outdoor unit

Installation
Low noise level in consideration of nearby residents

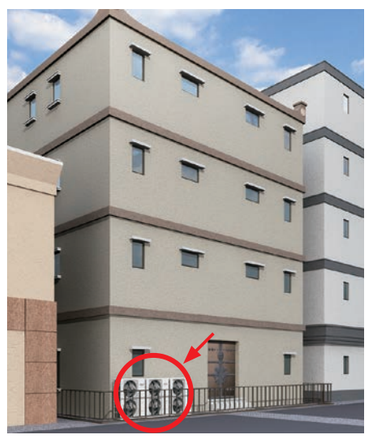
Front air discharge type with a width of about 1,000 mm, allowing for flexible installation even in narrow spaces.

VRF V Series outdoor unit

VRF J Series outdoor unit

Narrow space behind building
Space saving

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



VRF V Series outdoor unit

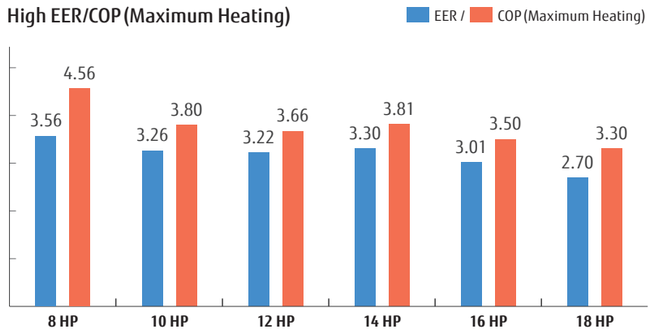
VRF J Series outdoor unit

Installation on the back street of a building
Flexible installation

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

Efficiency in actual operating conditions

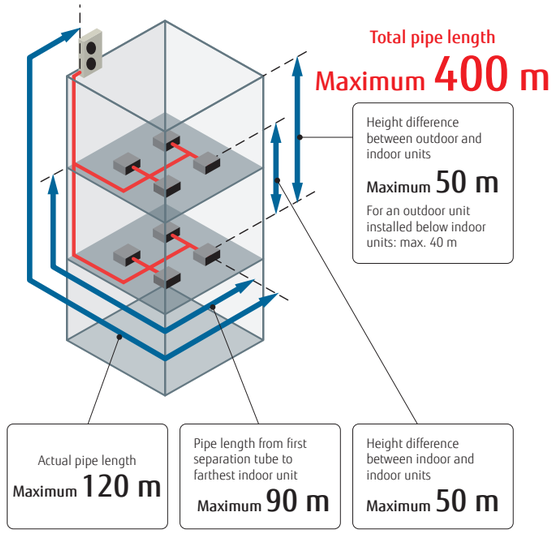
The use of a large heat exchanger and a high-efficiency Scroll compressor achieves class-leading EER/COP (Max. Heating) in all models.



* These specifications are determined by cassette combination.

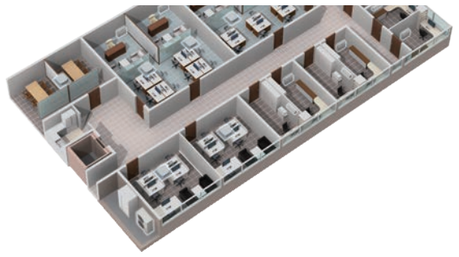
Long pipe length

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



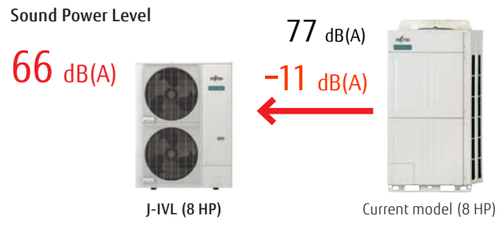
Up to 42 indoor units* can be connected.

The combination of smaller but sufficiently powerful indoor units and a new outdoor unit with an optimized heat exchanging structure makes it possible to connect up to 42 indoor units, which is the best in its class. *: 18 HP model



Class-leading low operating sound

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



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

8, 10, 12 HP　　14, 16, 18 HP

Specifications

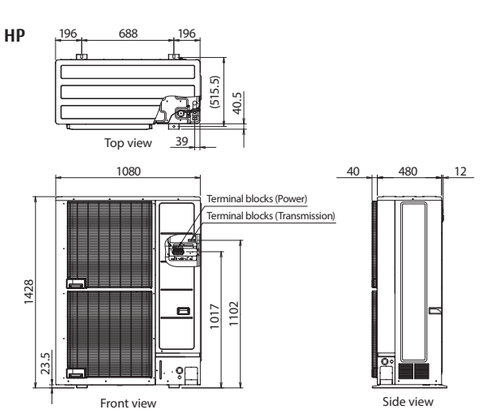
Rated capacity range		HP	8	10	12	14	16	18
Model name			AJY072LELDH	AJY090LELDH	AJY108LELDH	AJY126LELDH	AJY144LELDH	AJY162LELDH
Maximum connectable indoor units			1-20	1-25	1-30	1-36	1-40	1-42
Power source			3-phase, ~400V, 50Hz					
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0
	Nominal Heating	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

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

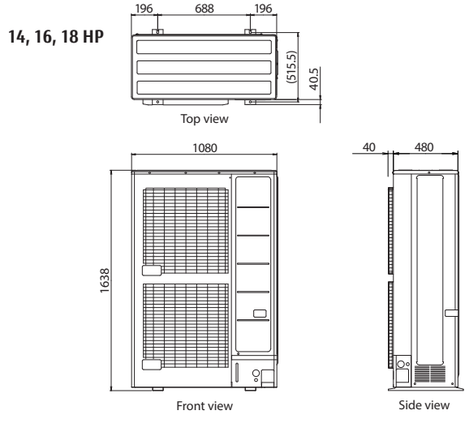
Dimensions

(Unit: mm)

8, 10, 12 HP



14, 16, 18 HP



REFRIGERANT R410A

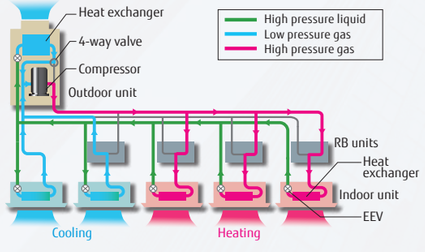
Heat Recovery

Modular type

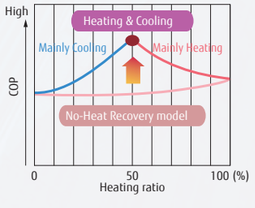
VRF VR-IV

Highly energy-efficient operation

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

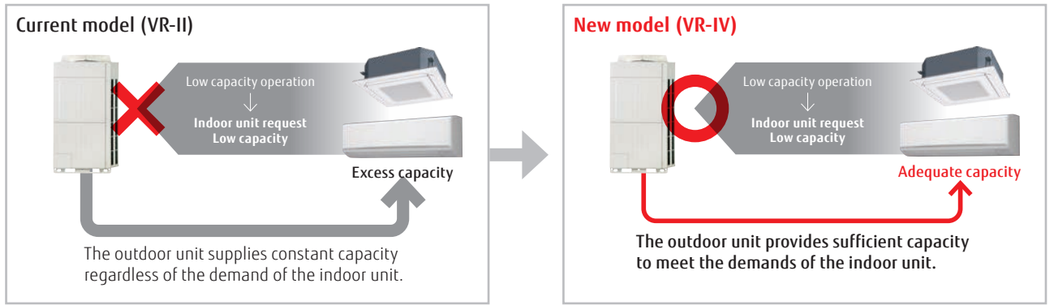


Our heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.



New intelligent refrigerant control

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



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

Increase in the number of connectable indoor units

Capacity range of connectable indoor units

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

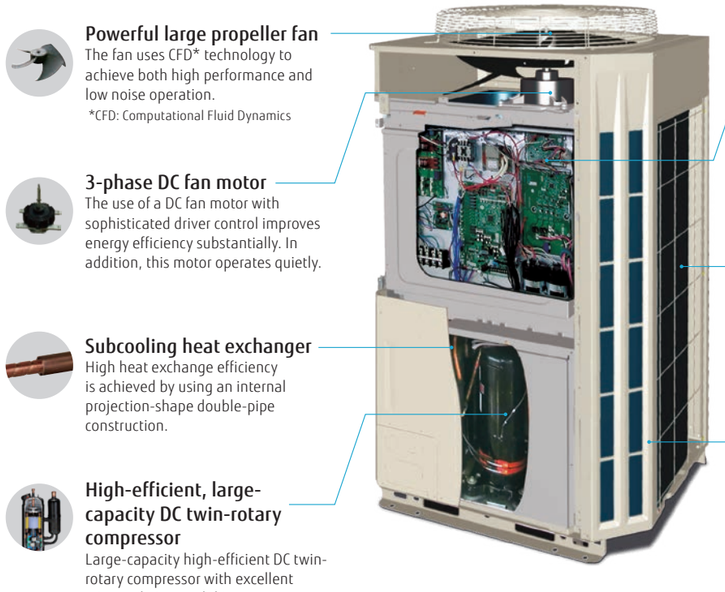
*: For modular type, 25% to 49.9% operation in the entire system is available. (by one unit operation)

Increased number of connectable indoor units and space saving combinations

(Unit)

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

The energy-saving technology that boosted operation efficiency



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

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

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

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

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

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

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

VR-IV

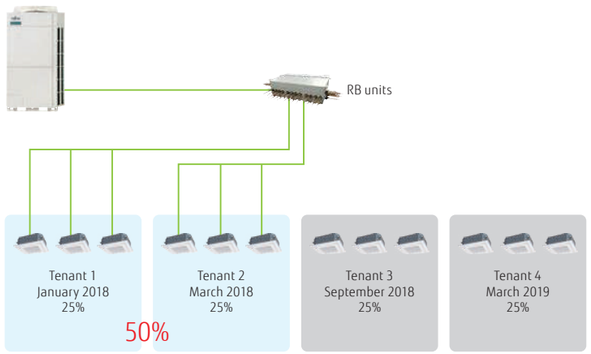
Extended connection ratio (applicable to multiple tenants)

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

Stand-alone

Current model (VR-II)

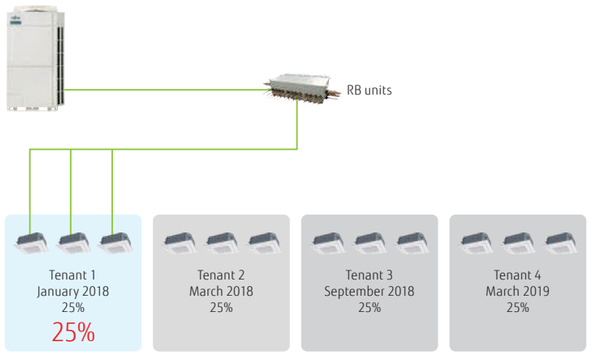
Example) 50% of 12HP minimum connected indoor unit capacity is required



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

New model (VR-IV)

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

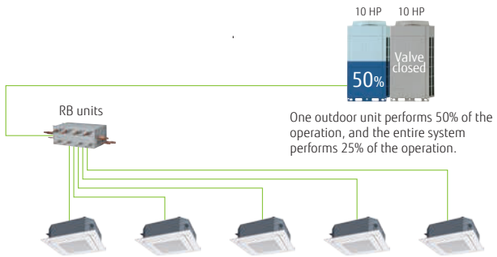


Installation and commissioning can be added flexibly to meet the opening dates of other tenants.

Modular type

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

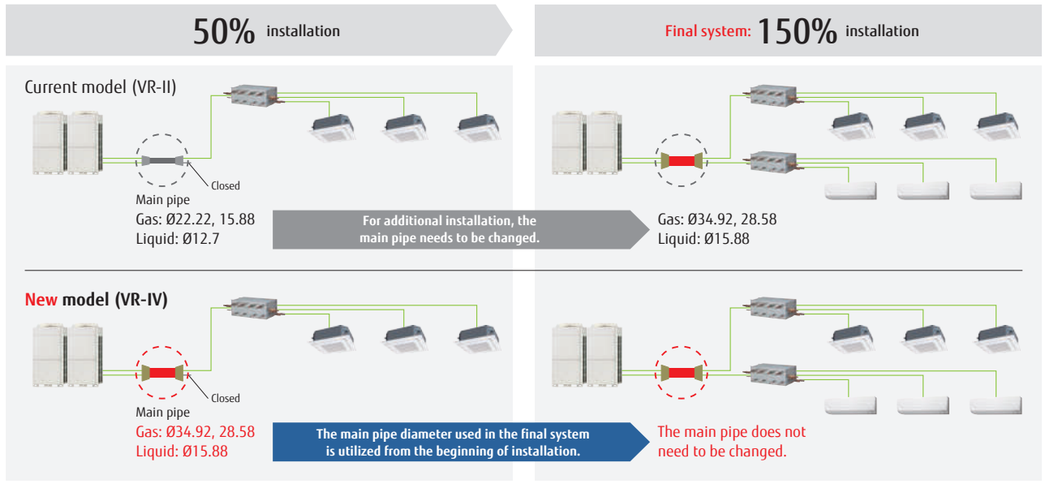
Example: One 10HP outdoor unit performs 25% of the total 20HP outdoor units system.
One 10HP outdoor unit performs 50% of its capacity
→ Two outdoor units do not perform 25% of the operation.



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

Additional installation is possible without changing the main pipe.

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



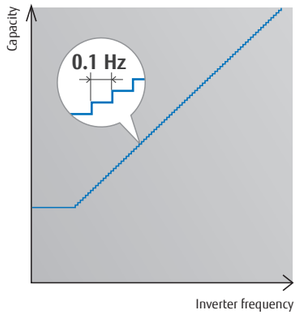
All-inverter compressor

Large-capacity DC inverter compressor

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

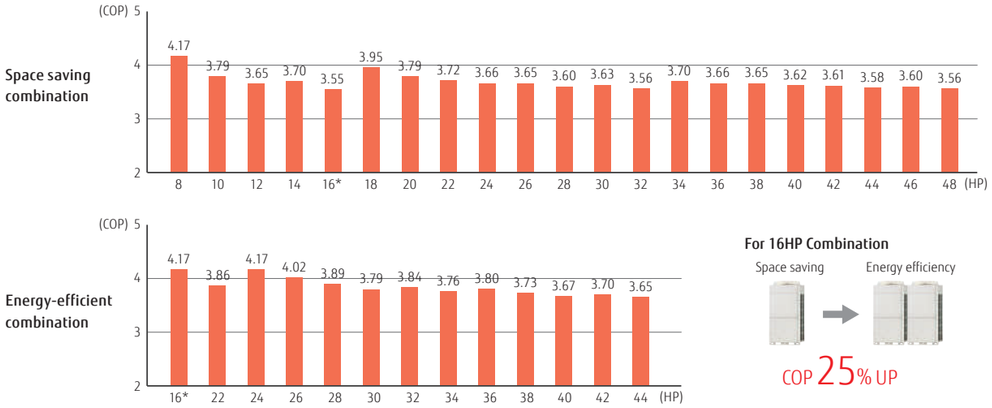
High-efficiency compressor speed control

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



Efficiency in actual operating conditions

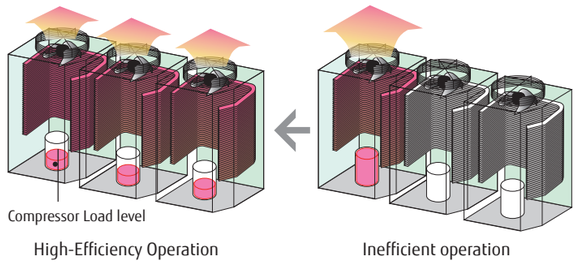
Class-leading high COP (Maximum) The use of our proprietary heat exchanger structure and high-efficiency DC twin-rotary compressors achieves the class-leading coefficient of performance (COP) in every combination.



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

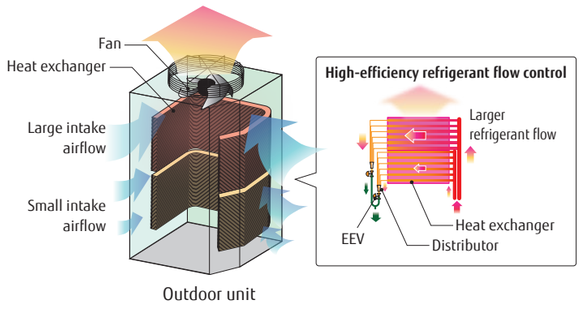
Multiple outdoor operation control

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



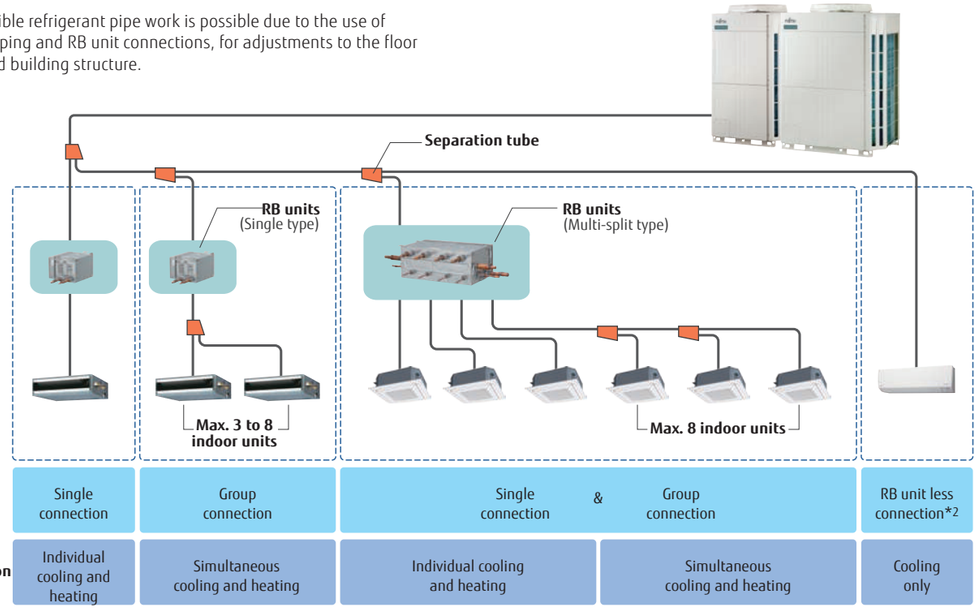
Heat exchanger refrigerant control

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



Flexible pipe connection

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



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

Flexible installation of RB unit

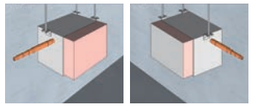
RB units
(Multi-split type/8-branch)

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

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

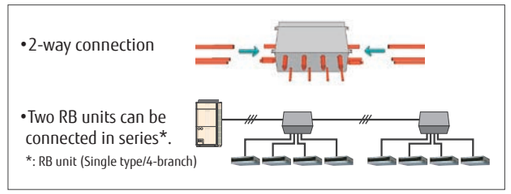
- A drain pipe is not required.
- Different positions of a control box can be chosen to accommodate installation conditions.
- Series connection for simplified installation

*: RB unit (single type)



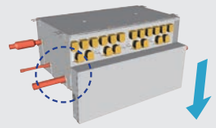
An RB unit can be installed on either side of the control box.

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



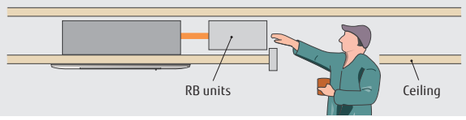
Easy maintenance in tight spaces

Maintenance can be performed from the side.



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

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



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

Space saving combination

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

Energy efficiency combination

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

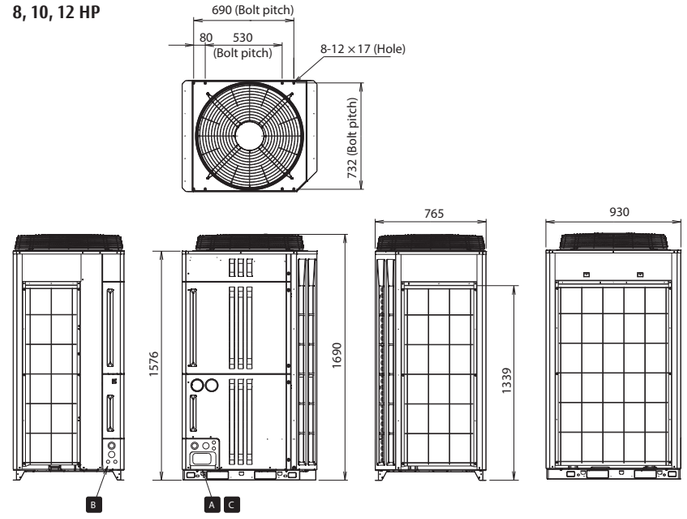
8,10,12HP : AJY072GALDH / AJY090GALDH / AJY108GALDH
14,16HP : AJY126GALDH / AJY144GALDH

8, 10, 12 HP　　14, 16 HP

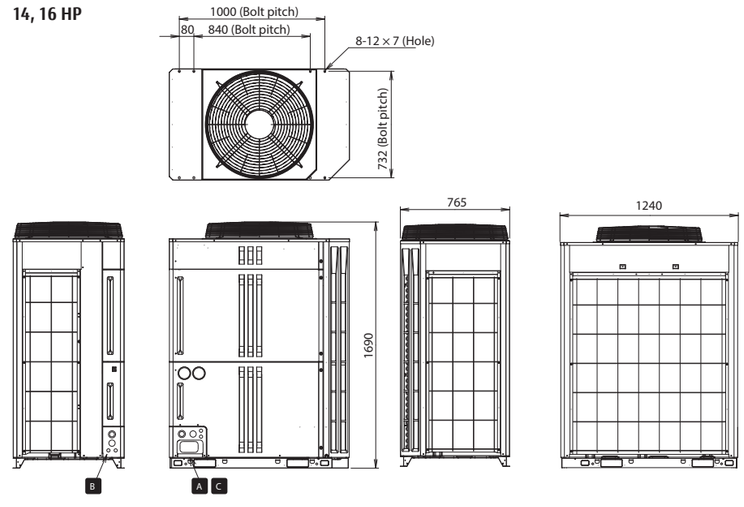
Dimensions

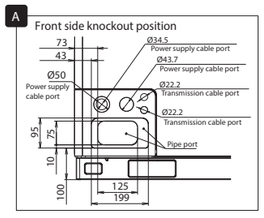
(Unit: mm)

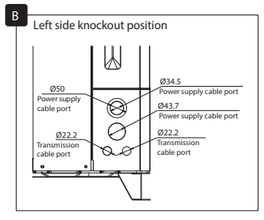
8, 10, 12 HP

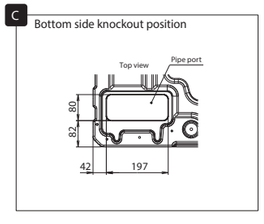


14, 16 HP









Outdoor units specifications

Space saving combination

Rated capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Model name			AJY072GALDH	AJY090GALDH	AJY108GALDH	AJY126GALDH	AJY144GALDH	AJY162GALDH	AJY180GALDH	AJY198GALDH	AJY216GALDH	AJY234GALDH	AJY252GALDH	AJY270GALDH	AJY288GALDH	AJY306GALDH	AJY324GALDH	AJY342GALDH	AJY360GALDH	AJY378GALDH	AJY396GALDH	AJY414GALDH	AJY432GALDH
Unit 1			AJY072GALDH	AJY090GALDH	AJY108GALDH	AJY126GALDH	AJY144GALDH	AJY090GALDH	AJY090GALDH	AJY108GALDH	AJY108GALDH	AJY090GALDH	AJY144GALDH	AJY144GALDH	AJY144GALDH	AJY108GALDH	AJY108GALDH	AJY144GALDH	AJY144GALDH	AJY144GALDH	AJY144GALDH	AJY144GALDH	AJY144GALDH
Unit 2								AJY072GALDH	AJY090GALDH	AJY090GALDH	AJY108GALDH	AJY108GALDH	AJY108GALDH	AJY126GALDH	AJY144GALDH	AJY090GALDH	AJY108GALDH	AJY108GALDH	AJY108GALDH	AJY090GALDH	AJY108GALDH	AJY126GALDH	AJY144GALDH
Unit 3																							
Maximum connectable indoor units*1			17	21	26	30	34	39	43	47	52	56	60	64	64	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units		kW	5.6-33.6	7.0-42.0	8.4-50.2	10.0-60.0	11.3-67.5	12.6-75.6*3	14.0-84.0*3	15.4-92.2*3	16.8-100.5*3	18.3-109.5*3	19.7-117.7*3	21.3-127.5*3	22.5-135.0*3	23.8-142.5*3	25.2-150.7*3	26.7-159.7*3	28.0-168.0*3	29.5-177.0*3	30.9-185.2*3	32.5-195.0*3	33.8-202.5*3
Power source			3-phase, 4-wire, 400 V, 50Hz									3-phase, 4-wire, 400 V, 50Hz											
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.0	73.0	78.5	85.0	90.0	95.0	100.5	106.5	112.0	118.0	123.5	130.0	135.0
	Nominal Heating		22.4	28.0	33.5	40.0	42.0	50.4	56.0	61.5	67.0	70.0	75.5	82.0	84.0	95.0	100.5	103.5	109.0	112.0	117.5	124.0	126.0
	Max. Heating		25.0	31.5	37.5	45.0	48.0	56.5	63.0	69.0	75.0	79.5	85.5	93.0	96.0	106.5	112.5	117.0	123.0	127.5	133.5	141.0	144.0
Input power	Cooling	kW	6.26	9.53	11.89	13.16	16.71	15.79	19.06	21.42	23.78	26.24	28.60	29.87	33.42	33.31	35.67	38.13	40.49	42.95	45.31	46.58	50.13
	Nominal Heating		5.37	7.38	9.16	10.80	11.81	12.75	14.76	16.54	18.32	19.19	20.97	22.61	23.62	25.70	27.48	28.35	30.13	31.00	32.78	34.42	35.43
	Max. Heating		6.25	8.96	11.48	13.95	14.98	15.21	17.92	20.44	22.96	23.94	26.46	28.93	29.96	31.92	34.44	35.42	37.94	38.92	41.44	43.91	44.94
EER	Cooling	W/W	3.57	2.93	2.81	3.03	2.69	3.19	2.94	2.87	2.82	2.78	2.74	2.85	2.69	2.85	2.82	2.79	2.77	2.75	2.73	2.79	2.69
COP	Nominal Heating		4.17	3.79	3.65	3.70	3.55	3.95	3.79	3.72	3.66	3.65	3.60	3.63	3.56	3.70	3.66	3.65	3.62	3.61	3.58	3.60	3.56
	Max. Heating		4.00	3.51	3.26	3.22	3.20	3.71	3.52	3.38	3.27	3.32	3.23	3.21	3.20	3.34	3.27	3.30	3.24	3.28	3.22	3.21	3.20
SEER	Cooling		7.16	6.61	6.73	6.76	6.27	6.89	6.61	6.67	6.73	6.44	6.50	6.52	6.27	6.69	6.73	6.54	6.58	6.38	6.42	6.43	6.27
SCOP	Heating		3.78	3.76	3.86	4.31	4.41	3.77	3.76	3.81	3.86	4.09	4.14	4.36	4.41	3.83	3.86	4.01	4.04	4.19	4.23	4.38	4.41
ηc	Cooling	%	283.0	261.0	266.0	267.0	248.0	272.0	261.0	263.5	266.0	254.5	257.0	257.5	248.0	264.3	266.0	258.3	260.0	252.3	254.0	254.3	248.0
ηh	Heating		148.0	147.0	151.0	169.0	173.0	147.5	147.0	149.0	151.0	160.0	162.0	171.0	173.0	149.7	151.0	157.0	158.3	164.3	165.7	171.7	173.0
Air flow rate	High	m^3/h	11,100	11,100	11,100	13,000	13,000	11,100×2	11,100×2	11,100×2	11,100×2	13,000+11,100	13,000+11,100	13,000×2	13,000×2	11,100×3	11,100×3	13,000+11,100×2	13,000+11,100×2	13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3
Sound pressure level*2/ Power level	Cooling	dB(A)	56 / 77	58 / 78	59 / 79	60 / 82	61 / 82	60 / 81	61 / 81	62 / 82	62 / 82	63 / 83	63 / 84	64 / 85	64 / 85	63 / 83	64 / 84	64 / 85	65 / 85	65 / 86	65 / 86	65 / 87	66 / 87
	Heating		58 / 79	59 / 79	63 / 82	62 / 83	63 / 83	62 / 82	62 / 82	64 / 84	66 / 85	64 / 84	66 / 86	66 / 86	66 / 86	67 / 86	68 / 87	67 / 86	68 / 87	67 / 87	68/ 87	67 / 88	68/ 88
Max. External static pressure		Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Compressor motor output		kW	7.5	7.5	7.5	11.0	11.0	7.5 × 2	7.5 × 2	7.5 × 2	7.5 × 2	11.0 + 7.5	11.0 + 7.5	11.0 × 2	11.0 × 2	7.5 × 3	7.5 × 3	11.0+7.5 × 2	11.0 + 7.5 × 2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 3	11.0 × 3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930	930	930	1,240	1,240	930 × 2	930 × 2	930 × 2	930 × 2	1,240 + 930	1,240 + 930	1,240 × 2	1,240 × 2	930 × 3	930 × 3	1,240 + 930 × 2	1,240 + 930 × 2	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 3	1,240 × 3
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Weight		kg	262	262	262	286	286	262 × 2	262 × 2	262 × 2	262 × 2	286 + 262	286 + 262	286 × 2	286 × 2	262 × 3	262 × 3	286 + 262 × 2	286 + 262 × 2	286 × 2 + 262	286 × 2 + 262	286 × 3	286 × 3
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Discharge Gas		15.88	19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92
	Suction Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27
Operating Range	Cooling	˚CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

Energy Efficiency Combination

Rated capacity range		HP	16	22	24	26	28	30	32	34	36	38	40	42	44
Model name			AJY144GALDHH	AJY198GALDHH	AJY216GALDHH	AJY234GALDHH	AJY252GALDHH	AJY270GALDHH	AJY288GALDHH	AJY306GALDHH	AJY324GALDHH	AJY342GALDHH	AJY360GALDHH	AJY378GALDHH	AJY396GALDHH
Unit 1			AJY072GALDH	AJY126GALDH	AJY072GALDH	AJY090GALDH	AJY090GALDH	AJY090GALDH	AJY126GALDH	AJY126GALDH	AJY126GALDH	AJY126GALDH	AJY144GALDH	AJY126GALDH	AJY144GALDH
Unit 2			AJY072GALDH	AJY072GALDH	AJY072GALDH	AJY072GALDH	AJY090GALDH	AJY090GALDH	AJY090GALDH	AJY090GALDH	AJY126GALDH	AJY126GALDH	AJY126GALDH	AJY126GALDH	AJY126GALDH
Unit 3					AJY072GALDH	AJY072GALDH	AJY072GALDH	AJY090GALDH	AJY072GALDH	AJY090GALDH	AJY072GALDH	AJY090GALDH	AJY090GALDH	AJY126GALDH	AJY126GALDH
Maximum connectable indoor units*1			34	47	52	56	60	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units		kW	11.2-67.2*3	15.6-93.6*3	16.8-100.8*3	18.2-109.2*3	19.6-117.6*3	21.0-126.0*3	22.6-135.6*3	24.0-144.0*3	25.6-153.6*3	27.0-162.0*3	28.3-169.5*3	30.0-180.0*3	31.3-187.5*3
Power source			3-phase, 4-wire, 400 V, 50Hz						3-phase, 4-wire, 400 V, 50Hz						
Capacity	Cooling	kW	44.8	62.4	67.2	72.8	78.4	84.0	90.4	96.0	102.4	108.0	113.0	120.0	125.0
	Nominal Heating		44.8	62.4	67.2	72.8	78.4	84.0	90.4	96.0	102.4	108.0	110.0	120.0	122.0
	Max. Heating		50.0	70.0	75.0	81.5	88.0	94.5	101.5	108.0	115.0	121.5	124.5	135.0	138.0
Input power	Cooling	kW	12.52	19.42	18.78	22.05	25.32	28.59	28.95	32.22	32.58	35.85	39.40	39.48	43.03
	Nominal Heating		10.74	16.17	16.11	18.12	20.13	22.14	23.55	25.56	26.97	28.98	29.99	32.40	33.41
	Max. Heating		12.50	20.20	18.75	21.46	24.17	26.88	29.16	31.87	34.15	36.86	37.89	41.85	42.88
EER	Cooling	W/W	3.58	3.21	3.58	3.30	3.10	2.94	3.12	2.98	3.14	3.01	2.87	3.04	2.90
COP	Nominal Heating		4.17	3.86	4.17	4.02	3.89	3.79	3.84	3.76	3.80	3.73	3.67	3.70	3.65
	Max. Heating		4.00	3.47	4.00	3.80	3.64	3.52	3.48	3.39	3.37	3.30	3.29	3.23	3.22
SEER	Cooling		7.16	6.96	7.16	6.98	6.79	6.61	6.84	6.66	6.89	6.71	6.55	6.76	6.60
SCOP	Heating		3.78	4.05	3.78	3.77	3.77	3.76	3.95	3.94	4.13	4.13	4.16	4.31	4.34
ηc	Cooling	%	283.0	275.0	283.0	275.7	268.3	261.0	270.3	263.0	272.3	265.0	258.7	267.0	260.7
ηh	Heating		148.0	158.5	148.0	147.7	147.3	147.0	154.7	154.3	162.0	161.7	163.0	169.0	170.3
Air flow rate	High	m^3/h	11,100×2	13,000+11,100	11,100×3	11,100×3	11,100×3	11,100×3	13,000+11,100×2	13,000+11,100×2	13,000×2+11,100	13,000×2+11,100	13,000×2+11,100	13,000×3	13,000×3
Sound pressure level*2/ Power level	Cooling	dB(A)	59 / 80	61 / 83	61 / 82	62 / 82	62 / 82	63 / 83	63 / 84	64 / 85	64 / 86	64 / 86	65 / 86	65 / 87	65 / 87
	Heating		61 / 82	63 / 84	63 / 84	63 / 84	63 / 84	64 / 84	65 / 86	65 / 86	66 / 87	66 / 87	66 / 87	67 / 88	67 / 88
Max. External static pressure		Pa	80	80	80	80	80	80	80	80	80	80	80	80	80
Compressor motor output		kW	7.5 × 2	11.0 + 7.5	7.5 × 3	7.5 × 3	7.5 × 3	7.5 × 3	11.0 + 7.5 × 2	11.0 + 7.5 × 2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 3	11.0 × 3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930 × 2	1,240 + 930	930 × 3	930 × 3	930 × 3	930 × 3	1,240 + 930 × 2	1,240 + 930 × 2	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 3	1,240 × 3
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765
Weight		kg	262 × 2	286 + 262	262 × 3	262 × 3	262 × 3	262 × 3	286 + 262 × 2	286 + 262 × 2	286 × 2 + 262	286 × 2 + 262	286 × 2 + 262	286 × 3	286 × 3
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Discharge Gas		22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92
	Suction Gas		28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27
Operating Range	Cooling	˚CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21

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

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

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

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

REFRIGERANT R410A

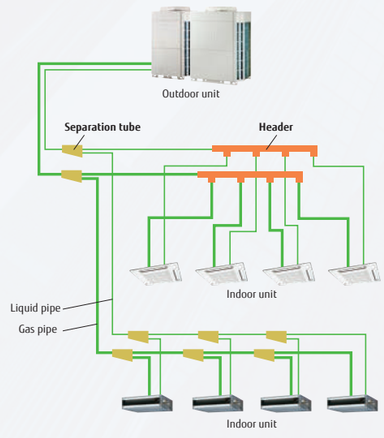
Heat Pump

Modular type

VRF V-IV

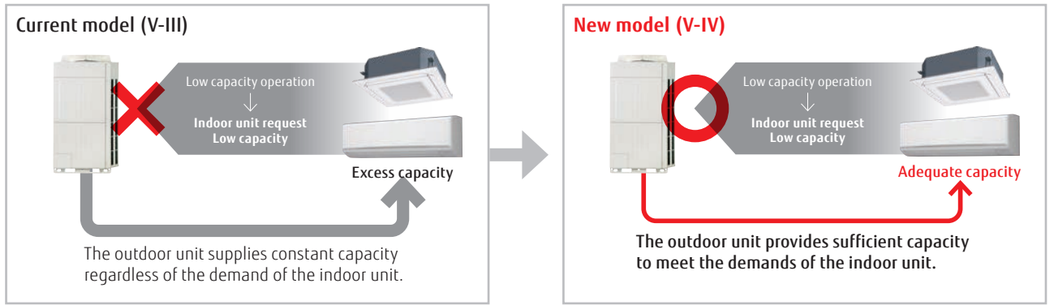
System configuration example

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



New intelligent refrigerant control

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

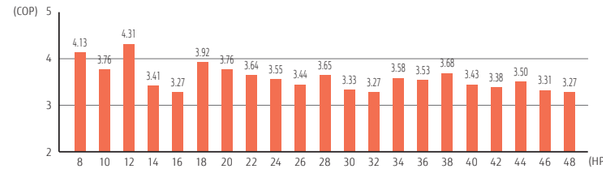


* The improvements due to the control and the actual sine wave vary depending on the combination of the indoor unit and system operating conditions.

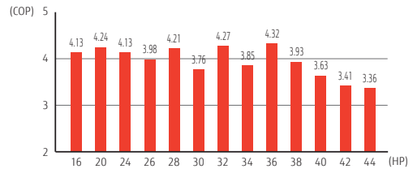
Efficiency in actual operating conditions

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

Space saving combination



Energy efficiency combination



* These specifications are determined by Cassette combination.

*Multiple outdoor units are not certified by Eurovent.

The energy-saving technology that boosted operation efficiency

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

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

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

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

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

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

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

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

Space saving combination

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

Energy efficiency combination

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

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

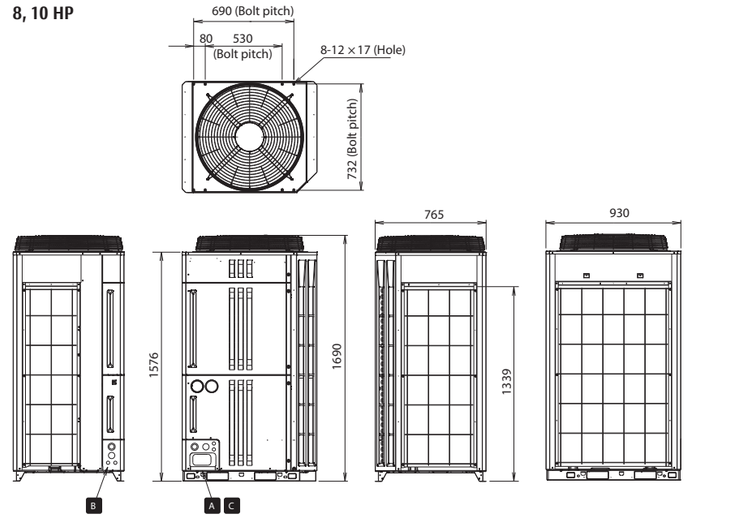
8, 10 HP

12, 14, 16 HP

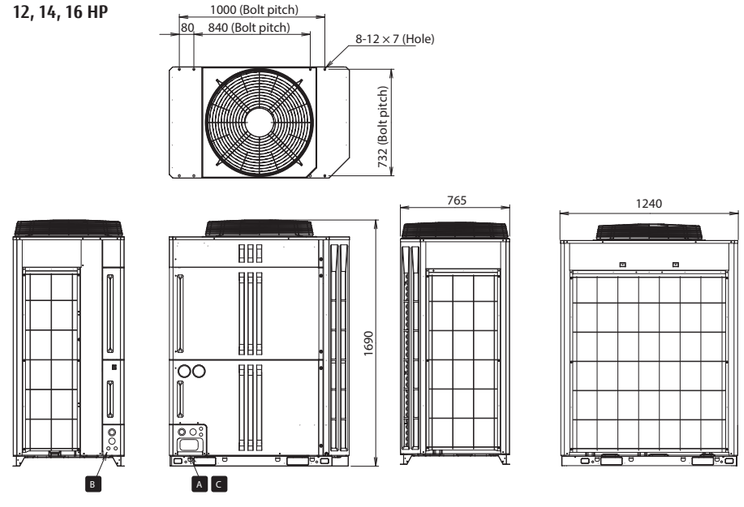
Dimensions

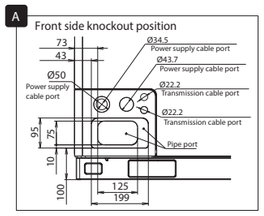
(Unit: mm)

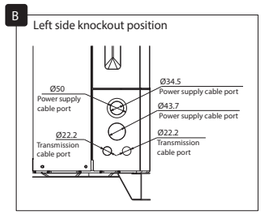
8, 10 HP

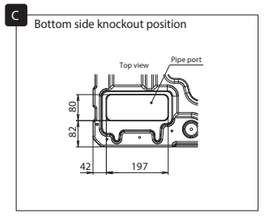


12, 14, 16 HP









Outdoor unit specifications

Space saving combination

Rated capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
Model name			AJY072LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY144LALDH	AJY162LALDH	AJY180LALDH	AJY198LALDH	AJY216LALDH	AJY234LALDH	AJY252LALDH	AJY270LALDH	AJY288LALDH	AJY306LALDH	AJY324LALDH	AJY342LALDH	AJY360LALDH	AJY378LALDH	AJY396LALDH	AJY414LALDH	AJY432LALDH
Unit 1			AJY072LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY144LALDH	AJY090LALDH	AJY090LALDH	AJY126LALDH	AJY126LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH	AJY144LALDH
Unit 2								AJY072LALDH	AJY090LALDH	AJY072LALDH	AJY090LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY144LALDH	AJY090LALDH	AJY090LALDH	AJY108LALDH	AJY090LALDH	AJY090LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH
Unit 3																AJY072LALDH	AJY090LALDH	AJY090LALDH	AJY090LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY144LALDH
Maximum connectable indoor units*1			17	21	26	30	34	39	43	47	52	56	60	64	64	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units		kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.2-75.6	28.0-84.0	31.2-93.6	34.0-102.0	36.5-109.5	39.3-117.7	42.5-127.5	45.0-135.0	47.7-143.1	50.5-151.5	53.3-159.7	56.5-169.5	59.0-177.0	61.8-185.2	65.0-195.0	67.5-202.5
Power source			3-phase, 4-wire, ~400 V, 50 Hz									3-phase, 4-wire, ~400 V, 50 Hz											
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0	62.4	68.0	73.0	78.5	85.0	90.0	95.4	101.0	106.5	113.0	118.0	123.5	130.0	135.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0	50.4	56.0	62.4	68.0	73.0	78.5	85.0	90.0	95.4	101.0	106.5	113.0	118.0	123.5	130.0	135.0
	Max. Heating		25.0	31.5	37.5	45.0	48.0	56.5	63.0	70.0	76.5	79.5	85.5	93.0	96.0	104.5	111.0	117.0	124.5	127.5	133.5	141.0	144.0
Input power	Cooling	kW	5.95	9.06	9.54	13.18	16.74	15.01	18.12	19.13	22.24	25.80	26.28	29.92	33.48	31.75	34.86	35.34	38.98	42.54	43.02	46.66	50.22
	Nominal Heating		5.42	7.44	7.76	11.74	13.76	12.86	14.88	17.16	19.18	21.20	21.52	25.50	27.52	26.62	28.64	28.96	32.94	34.96	35.28	39.26	41.28
	Max. Heating		6.26	8.98	9.48	14.00	15.02	15.24	17.96	20.26	22.98	24.00	24.50	29.02	30.04	30.26	32.98	33.48	38.00	39.02	39.52	44.04	45.06
EER	Cooling	W/W	3.76	3.09	3.51	3.03	2.68	3.36	3.09	3.26	3.06	2.83	2.99	2.84	2.69	3.00	2.90	3.01	2.90	2.77	2.87	2.79	2.69
COP	Nominal Heating		4.13	3.76	4.31	3.41	3.27	3.92	3.76	3.64	3.55	3.44	3.65	3.33	3.27	3.58	3.53	3.68	3.43	3.38	3.50	3.31	3.27
	Max. Heating		3.99	3.50	3.95	3.21	3.19	3.71	3.51	3.46	3.33	3.31	3.49	3.20	3.20	3.45	3.37	3.49	3.28	3.27	3.38	3.20	3.20
SEER	Cooling		7.09	6.56	7.33	6.67	6.18	6.83	6.56	6.64	6.62	6.37	6.76	6.43	6.18	6.61	6.43	6.69	6.47	6.31	6.56	6.34	6.18
SCOP	Heating		3.83	3.80	4.19	4.19	4.27	3.82	3.80	4.05	4.00	4.04	4.23	4.23	4.27	3.97	3.96	4.09	4.09	4.11	4.24	4.24	4.27
ηc	Cooling	%	281.0	259.0	290.0	264.0	244.0	270.0	259.0	262.5	261.5	251.5	267.0	254.0	244.0	261.3	254.0	264.3	255.7	249.0	259.3	250.7	244.0
ηh	Heating		150.0	149.0	165.0	165.0	168.0	149.5	149.0	159.0	157.0	158.5	166.5	166.5	168.0	155.7	155.3	160.7	160.7	161.7	167.0	167.0	168.0
Air flow rate	High	m^3/h	11,100	11,100	13,000	13,000	13,700	11,100×2	11,100 × 2	13,000 + 11,100	13,000 + 11,100	13,700 + 11,100	13,700 + 13,000	13,700 + 13,000	13,700 × 2	13,700+11,100×2	13,700+11,100×2	13,700+13,000+11,100	13,700 + 13,000 + 11,100	13,700 + 2 + 11,100	13,700×2+13,000	13,700×2+13,000	13,700 × 3
Sound pressure level*2/ Power level	Cooling	dB(A)	58 / 79	58 / 79	58 / 81	62 / 84	63 / 86	61 / 82	61 / 82	63 / 85	63 / 85	64 / 87	64 / 87	66 / 88	66 / 89	65 / 87	65 / 87	65 / 88	66 / 89	67 / 89	67 / 90	67 / 90	68 / 91
	Heating		59 / 80	60 / 81	60 / 83	64 / 85	65 / 87	63 / 84	63 / 84	65 / 86	65 / 86	66 / 88	66 / 88	68 / 89	68 / 90	67 / 89	67 / 89	67 / 89	68 / 90	69 / 91	69 / 91	69 / 91	70 / 92
Max. External static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output		kW	7.5	7.5	11.0	11.0	11.0	7.5×2	7.5 × 2	11.0 + 7.5	11.0 + 7.5	11.0 + 7.5	11.0×2	11.0 × 2	11.0 × 2	11.0+7.5×2	11.0+7.5×2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0×3	11.0×3	11.0×3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930	930	1,240	1,240	1,240	930 × 2	930 × 2	1,240 + 930	1,240 + 930	1,240 + 930	1,240 × 2	1,240 × 2	1,240 × 2	1,240 + 930 × 2	1,240 + 930 × 2	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 3	1,240 × 3	1,240 × 3
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Weight		kg	252	252	275	275	275	252 × 2	252 × 2	275 + 252	275 + 252	275 + 252	275 × 2	275 × 2	275 × 2	275 × 2 + 252	275 × 2 + 252	275 × 2 + 252	275 × 2 + 252	275 × 2 + 252	275 × 3	275 × 3	275 × 3
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.7 (24.4)	11.7 (24.4)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.7 × 2 (24.4 × 2)	11.7 × 2 (24.4 × 2)	11.8 + 11.7 (24.6 + 24.4)	11.8 + 11.7 (24.6 + 24.4)	11.8 + 11.7 (24.6 + 24.4)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 + 11.7 × 2 (24.6 + 24.4 × 2)	11.8 + 11.7 × 2 (24.6 + 24.4 × 2)	11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 + 11.7 × 2 (24.6 × 2 + 24.4)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)
Connection pipe diameter	Liquid	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas		22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

Energy Efficiency Combination

Rated capacity range		HP	16	20	24	26	28	30	32	34	36	38	40	42	44
Model name			AJY144LALDHH	AJY180LALDHH	AJY216LALDHH	AJY234LALDHH	AJY252LALDHH	AJY270LALDHH	AJY288LALDHH	AJY306LALDHH	AJY324LALDHH	AJY342LALDHH	AJY360LALDHH	AJY378LALDHH	AJY396LALDHH
Unit 1			AJY072LALDH	AJY108LALDH	AJY072LALDH	AJY090LALDH	AJY108LALDH	AJY126LALDH	AJY108LALDH	AJY126LALDH	AJY108LALDH	AJY126LALDH	AJY126LALDH	AJY126LALDH	AJY144LALDH
Unit 2			AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY108LALDH	AJY108LALDH	AJY108LALDH	AJY108LALDH	AJY126LALDH	AJY126LALDH	AJY126LALDH
Unit 3					AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY072LALDH	AJY108LALDH	AJY108LALDH	AJY126LALDH	AJY126LALDH	AJY126LALDH
Maximum connectable indoor units*1			34	43	52	56	60	64	64	64	64	64	64	64	64
Connectable capacity range of indoor units		kW	22.4-67.2	28.0-83.8	33.6-100.8	36.4-109.2	39.2-117.4	42.4-127.2	44.7-134.1	48.0-143.8	50.3-150.7	53.5-160.5	56.8-170.2	60.0-180.0	62.5-187.5
Power source			3-phase, 4-wire, ~400 V, 50 Hz						3-phase, 4-wire, ~400 V, 50 Hz						
Capacity	Cooling	kW	44.8	55.9	67.2	72.8	78.3	84.8	89.4	95.9	100.5	107.0	113.5	120.0	125.0
	Nominal Heating		44.8	55.9	67.2	72.8	78.3	84.8	89.4	95.9	100.5	107.0	113.5	120.0	125.0
	Max. Heating		50.0	62.5	75.0	81.5	87.5	95.0	100.0	107.5	112.5	120.0	127.5	135.0	138.0
Input power	Cooling	kW	11.90	15.49	17.85	20.96	21.44	25.08	25.03	28.67	28.62	32.26	35.90	39.54	43.10
	Nominal Heating		10.84	13.18	16.26	18.28	18.60	22.58	20.94	24.92	23.28	27.26	31.24	35.22	37.24
	Max. Heating		12.52	15.74	18.78	21.50	22.00	26.52	25.22	29.74	28.44	32.96	37.48	42.00	43.02
EER	Cooling	W/W	3.76	3.61	3.76	3.47	3.65	3.38	3.57	3.34	3.51	3.32	3.16	3.03	2.90
COP	Nominal Heating		4.13	4.24	4.13	3.98	4.21	3.76	4.27	3.85	4.32	3.93	3.63	3.41	3.36
	Max. Heating		3.99	3.97	3.99	3.79	3.98	3.58	3.97	3.61	3.96	3.64	3.40	3.21	3.21
SEER	Cooling		7.09	7.21	7.09	6.91	7.17	6.79	7.25	7.03	7.33	7.11	6.89	6.67	6.51
SCOP	Heating		3.83	4.01	3.83	3.82	3.95	3.98	4.07	4.07	4.19	4.19	4.19	4.19	4.22
ηc	Cooling	%	281.0	285.5	281.0	273.7	284.0	275.3	287.0	278.3	290.0	281.3	272.7	264.0	257.3
ηh	Heating		150.0	157.5	150.0	149.7	155.0	155.0	160.0	160.0	165.0	165.0	165.0	165.0	166.0
Air flow rate	High	m^3/h	11,100 × 2	13,000 + 11,100	11,100 × 3	11,000 × 3	13,000 + 11,100 × 2	13,000 + 11,100 × 2	13,000 × 2 + 11,100	13,000 × 2 + 11,100	13,000 × 3	13,000 × 3	13,000 × 3	13,000 × 3	13,700 + 13,000 × 2
Sound pressure level*2/ Power level	Cooling	dB(A)	61 / 82	61 / 83	63 / 84	63 / 84	63 / 85	65 / 86	63 / 85	65 / 87	63 / 86	65 / 87	66 / 88	67 / 89	67 / 90
	Heating		62 / 83	63 / 85	64 / 85	64 / 85	64 / 86	66 / 87	64 / 87	66 / 88	65 / 88	67 / 89	68 / 89	69 / 90	69 / 91
Max. External static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output		kW	7.5 × 2	11.0 + 7.5	7.5 × 3	7.5 × 3	11.0 + 7.5 × 2	11.0 + 7.5 × 2	11.0 × 2 + 7.5	11.0 × 2 + 7.5	11.0 × 3	11.0 × 3	11.0 × 3	11.0 × 3	11.0 × 3
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930 × 2	1,240 + 930	930 × 3	930 × 3	1,240 + 930 × 2	1,240 + 930 × 2	1,240 × 2 + 930	1,240 × 2 + 930	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3	1,240 × 3
	Depth		765	765	765	765	765	765	765	765	765	765	765	765	765
Weight		kg	252 × 2	275 + 252	252 × 3	252 × 3	275 + 252 × 2	275 + 252 × 2	275 × 2 + 252	275 × 2 + 252	275 × 3	275 × 3	275 × 3	275 × 3	275 × 3
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	11.7 × 2 (24.4 × 2)	11.8 + 11.7 (24.6 + 24.4)	11.7 × 3 (24.4 × 3)	11.7 × 3 (24.4 × 3)	11.8 + 11.7 × 2 (24.6 + 24.4 × 2)	11.8 + 11.7 × 2 (24.6 + 24.4 × 2)	11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 × 2 + 11.7 (24.6 × 2 + 24.4)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)
Connection pipe diameter	Liquid	mm	12.70	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas		28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27
Operating Range	Cooling	°CDB	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

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

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

*1 Minimum connectable indoor unit number is 2.
However, the ARXC72 and ARXC90 can be used with a signal connection.
*2 The noise level is the value measured in an anechoic room.
When measured in an actual installation, the measured value is typically larger than the indicated value due to ambient noise and reflections.
* These specifications are determined by ducted combination.

VRF INDOOR UNITS

17 types and 95 models available to meet the requirements of any building design.

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

V-058 VRF Indoor Unit Lineup for J-VS
V-060 Compact Cassette Grid type
V-062 Low Static Pressure Duct Slim Duct/Slim Concealed Floor
V-064 Wall-mounted type

V-066 VRF Indoor Unit Lineup for J-IVS, J-IV, J-IVL, VR-IV, V-IV
V-068 Compact Cassette Grid type
V-070 Cassette Slim type Circular Flow
V-072 Cassette Large type Circular Flow
V-074 Cassette One-way Flow type
V-076 3D Flow Cassette
V-078 Low Static Pressure Duct Mini Duct
V-080 Low Static Pressure Duct Slim Duct/Slim Concealed Floor
V-082 Low Static Pressure Duct
V-084 Medium Static Pressure Duct
V-086 High Static Pressure Duct
V-088 Compact Floor
V-090 Floor/Ceiling
V-092 Ceiling
V-094 Wall-mounted (EEV Internal/external)

VRF Indoor Unit Lineup for J-VS

Capacity range (kW)				1.1	1.7	2.2	2.8	3.6	4.0	4.5	5.6	7.1
Class				4	5	7	9	12	14	14	18	24
Cassette	Compact type	Compact Grid type/Standard type		AUXB004HLAH	AUXB005HLAH	AUXB007HLAH	AUXB009HLAH	AUXB012HLAH		AUXB014HLAH	AUXB018HLAH	
		High Efficiency*1					AUXN009HLAH	AUXN012HLAH		AUXN014HLAH		
Duct	Low Static Pressure Duct	Slim Duct (With drain pump)	 004 - 014 018 024	ARXD004HLAH	ARXD005HLAH	ARXD007HLAH	ARXD009HLAH	ARXD012HLAH		ARXD014HLAH	ARXD018HLAH	ARXD024HLAH
		High Efficiency*1	 009 - 014				ARXP009HLAH	ARXP012HLAH		ARXP014HLAH		
Wall-mounted type		Wall-mounted type	 004 - 014	ASYA004HCAH	ASYA005HCAH	ASYA007HCAH	ASYA009HCAH	ASYA012HCAH	ASYA014HCAH			
		Wall-mounted type (EEV external)	 004 - 014	ASYE004HCAH	ASYE005HCAH	ASYE007HCAH	ASYE009HCAH	ASYE012HCAH	ASYE014HCAH			
				This model requires the EV kit to be connected.			This model requires the EV kit to be connected.					

*1: Production by order
Specifications and design are subject to change without notice.
*Products other than ducts can be connected to J-IV, J-IVS, J-IVL, V-IV, VR-IV

NEW

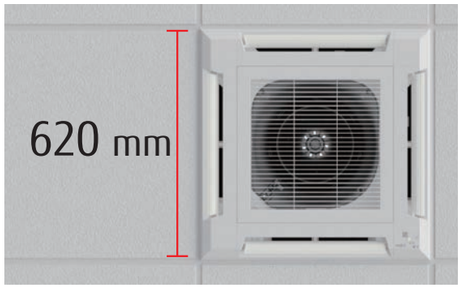
Compact Cassette

Grid type

DC FAN

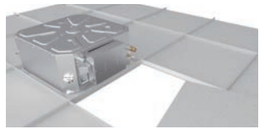
Compact and stylish panel

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



Easy maintenance

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



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

Flexible installation

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

High ceiling mode

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

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

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

AUXN009HLAH / AUXN012HLAH / AUXN014HLAH * Production by order

Specifications

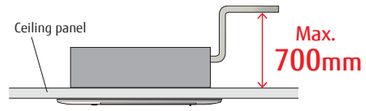
Model name			AUXB004HLAH	AUXB005HLAH	AUXB007HLAH	AUXB009HLAH	AUXB012HLAH	AUXB014HLAH	AUXB018HLAH	AUXN009HLAH	AUXN012HLAH	AUXN014HLAH
Power source			Single phase, 220-240V, 50Hz							Single phase, 220-240V, 50Hz		
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.5	5.6	2.8	3.6	4.5
	Heating		1.3	1.9	2.8	3.2	4.1	5.0	6.3	3.2	4.1	5.0
Input power		W	21	21	23	24	27	33	50	41	71	81
Airflow rate (Cooling / Heating)*	High	m^3/h	530	530	540	550	600	680	820	750	970	1,030
	Med-High		490 / 480	490 / 480	500	520	560	620	660	550	600	680
	Med		450 / 430	450 / 430	460	480	520	560	590	480	520	560
	Med-Low		420 / 380	420 / 380	420	440	480	500	520	440	480	500
	Low		390 / 340	390 / 340	390	400	430	440	460	400	430	440
	Quiet		350 / 300	350 / 300	350	350	390	390	400	350	390	390
Sound pressure level (Cooling / Heating)*	High	dB(A)	34	34	34	35	37	39	45	42	49	50
	Med-High		32 / 31	32 / 31	32	33	34	37	39	35	37	39
	Med		30 / 29	30 / 29	30	31	33	34	36	31	33	34
	Med-Low		28 / 26	28 / 26	28	29	31	32	33	29	31	32
	Low		27 / 24	27 / 24	27	27	29	30	30	27	29	30
	Quiet		25 / 21	25 / 21	25	25	27	27	27	25	27	27
Net Dimensions (H × W × D)		mm	245 × 570 × 570							245 × 570 × 570		
Weight		kg	14.5	14.5	15	15	15.5	15.5	17	15	15.5	15.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	9.52	12.70	12.70	12.70	9.52	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Cassette Grille	Model name		UTG-UFYH-W							UTG-UFYH-W		
	Net Dimensions (H × W × D)	mm	49 × 620 × 620							49 × 620 × 620		
	Weight	kg	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3

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

Optional parts

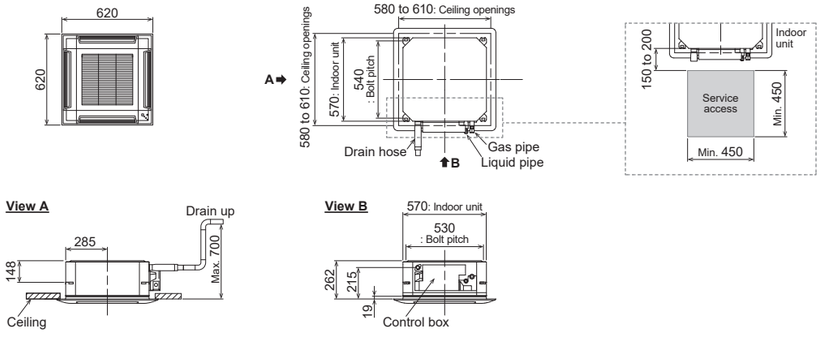
*For more details, please refer to the chapter "Optional parts".

Wireless remote controller:	UTY-LNVY	External power supply unit:	UTZ-GXXD
Flesh Air Intake Kit:	UTZ-VXAA	WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
Insulation kit for high humidity:	UTZ-KXGC		
Silver Ion Filter:	UTD-HFAA	Gas sensor kit:	UTY-SGZY
Remote sensor kit:	UTY-XSZXZ1	Expansion kit:	UTZ-JXXA
Cassette Grille:	UTG-UFYH-W	Air Outlet Shutter Plate:	UTR-YDZB



Dimensions

(Unit: mm)



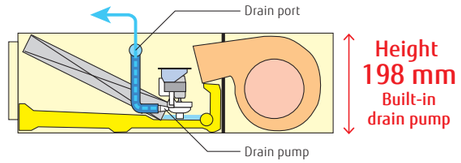
NEW

Low Static Pressure Duct Slim Duct

DC FAN

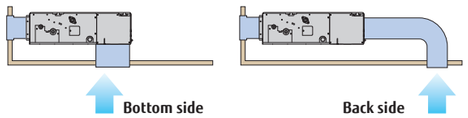
Slim design

Slim design allows for installation in a tight ceiling space.



Air intake

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



Wide range of static pressures

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

Static pressure range
0 to 90 Pa

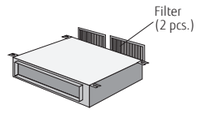
* 024 model static pressure range is 0 to 50 Pa.

Auto louver grille kit (Option)

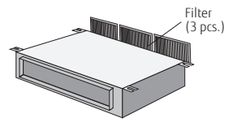
The optional clean-looking flat Auto louver blends into any interior and provides a comfortable airflow.

Filter (Accessory)

ARXD004-018

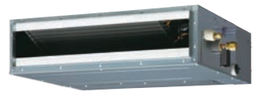


ARXD024

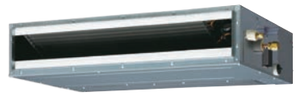


Model: ARXD004HLAH / ARXD005HLAH / ARXD007HLAH / ARXD009HLAH
ARXD012HLAH / ARXD014HLAH / ARXD018HLAH / ARXD024HLAH

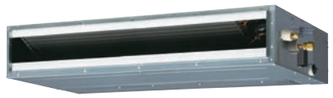
ARXP009HLAH / ARXP012HLAH / ARXP014HLAH * Production by order



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



ARXK018HLAH



ARXK024HLAH

Specifications

Model name			ARXD004HLAH	ARXD005HLAH	ARXD007HLAH	ARXD009HLAH	ARXD012HLAH	ARXD014HLAH	ARXD018HLAH	ARXD024HLAH	ARXP009HLAH	ARXP012HLAH	ARXP014HLAH
Power source			Single phase, 220-240V, 50Hz								Single phase, 220-240V, 50Hz		
Capacity	Cooling	kW	1.1	1.7	2.2	2.8	3.6	4.5	5.6	7.1	2.8	3.6	4.5
	Heating		1.3	1.9	2.8	3.2	4.0	5.0	6.3	8.0	3.2	4.0	5.0
Input power		W	38	38	41	47	48	84	76	107	77	128	128
Airflow rate	High	m^3/h	530	530	550	600	580	790	930	1,250	770	940	940
	Med-High		480	480	520	550	550	720	880	1,180	630	810	810
	Med		440	440	480	500	520	640	780	1,060	530	660	660
	Med-Low		410	410	450	460	480	560	670	930	480	580	580
	Low		370	370	400	400	430	470	580	810	430	490	490
	Quiet		320	320	360	360	350	370	510	640	380	390	390
Static pressure range		Pa	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 50	0 to 25	0 to 25	0 to 25
Standard static pressure			25	25	25	25	25	25	25	25	25	25	25
Sound pressure level	High	dB(A)	26	26	28	29	30	34	34	35	36	40	40
	Med-High		26	26	26	27	28	32	31	32	32	38	38
	Med		25	25	25	25	27	30	29	30	28	33	33
	Med-Low		24	24	24	24	26	28	27	27	27	31	31
	Low		22	22	22	22	24	25	25	24	25	27	27
	Quiet		21	21	21	21	22	22	23	21	23	24	24
Net Dimensions (H × W × D)		mm	198 × 700 × 620						198 × 900 × 620	198 × 1,100 × 620	198 × 700 × 620		
Weight		kg	16	16	16.5	16.5	17	17	21	25	16.5	17	17
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	9.52	12.70	12.70	12.70	15.88	9.52	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32

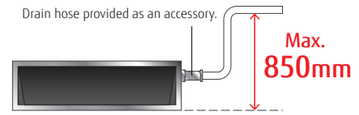
Note: Specifications are subject to the following conditions:
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and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

Optional parts

*For more details, please refer to the chapter "Optional parts".

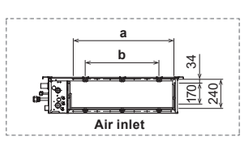
Wireless remote controller:	UTY-LNVY*	Auto Louver Grille Kit:	UTD-GXTA-W (004-014)
Remote sensor unit:	UTY-XSZXZ1		UTD-GXTB-W (018)
IR receiver unit:	UTY-TRHX		UTD-GXTC-W (024)
WLAN adapter:	UTY-TFSXJ3	Silver Ion Filter:	UTD-HFTA (004-014)
	UTY-TFSXZ1		UTD-HFTB (018)
	FG-AC-WIF1Z1		UTD-HFTC (024)
External power supply unit:	UTZ-GXXD	Gas sensor kit:	UTY-SGZY
Expansion kit:	UTZ-JXXA		

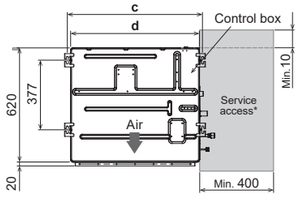
*IR receiver unit (UTY-TRHX) is required.

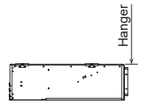


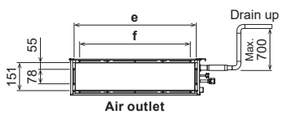
Dimensions

(Unit: mm)



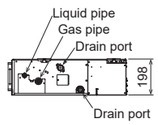






	ARXD 004-014HLAH	ARXD018HLAH	ARXD024HLAH
a	574	774	974
b	P200×2=400	P200×3=600	P200x4=800
c	734	934	1,134
d	700	900	1,100
e	650	850	1,050
f	P100×6=600	P100×8=800	P100×10=1,000

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



NEW

Wall-mounted type

DC FAN

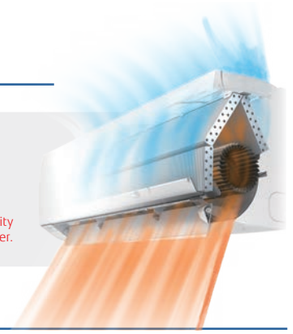
Highly-efficiency, compact design

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

High-density heat exchanger

Slim tube design: 5 mm

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

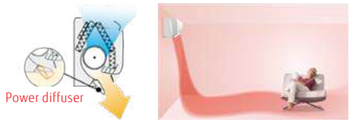


More comfortable airflow

The unique power diffuser provides comfortable air conditioning.

Heating

The vertical airflow provides powerful floor-level heating.

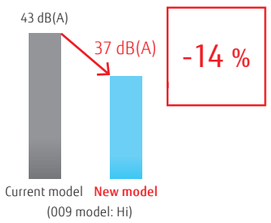


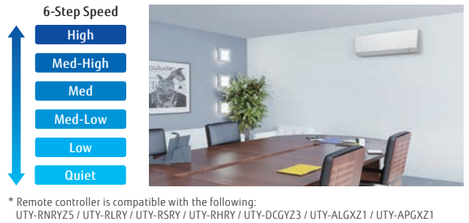
Cooling

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

Quiet operation & 6-Step fan speed control

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



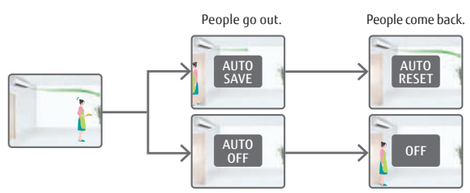


* Remote controller is compatible with the following:
UTY-RNRYZ5 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGYZ3 / UTY-ALGXZ1 / UTY-APGXZ1

The Occupancy sensor contributes to further energy savings.

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

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



Model: ASYA004HCAH / ASYA005HCAH / ASYA007HCAH
ASYA009HCAH / ASYA012HCAH / ASYA014HCAH

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

Specifications

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

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

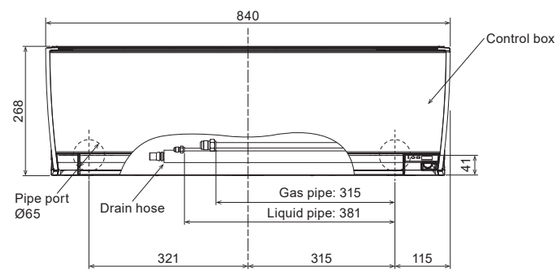
Optional parts

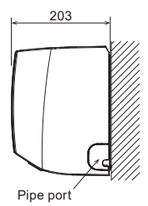
*For more details, please refer to the chapter "Optional parts".

Wireless remote controller:	UTY-LNVY
External power supply unit:	UTZ-GXXD
WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
Silver Ion Filter:	UTR-FA16-5
Remote sensor kit:	UTY-XSZXZ1
Gas sensor kit:	UTY-SGZY
Expansion kit:	UTZ-JXXA

Dimensions

(Unit: mm)





REFRIGERANT R410A

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

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

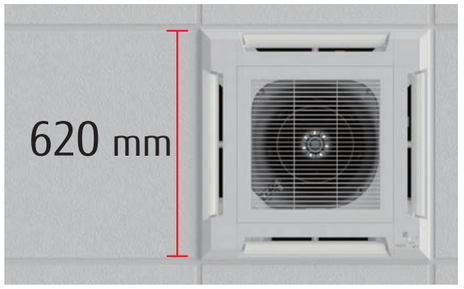
*1: ARXC060/072/090/096G cannot be connected to J-IVS/J-IV Series.
*2: ARXD04GALH cannot be connected to J-IVS/J-IV/J-IVL/VR-IV Series.
*3: Production by order
Specifications and design are subject to change without notice.

Compact Cassette
Grid type

DC FAN

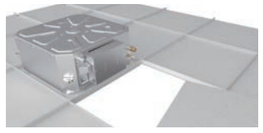
Compact and stylish panel

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



Easy maintenance

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



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

Flexible installation

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

High ceiling mode

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

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

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

Specifications

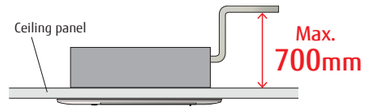
Model name			AUXB004GLEH	AUXB007GLEH	AUXB009GLEH	AUXB012GLEH	AUXB014GLEH	AUXB018GLEH	AUXB024GLEH
Power source			Single phase, ~230 V, 50 Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.1	5.0	6.3	8.0
Input power		W	23	25	25	29	35	36	84
Airflow rate	High	m^3/h	530/530	540	550	600	680	710	1,030
	Med-High		490/480	500	520	560	620	660	910
	Med		450/430	460	480	520	560	590	790
	Med-Low		420/380	420	440	480	500	520	680
	Low		390/340	390	400	430	440	460	560
	Quiet		350/300	350	350	390	390	400	450
Sound pressure level	High	dB(A)	34/34	34	35	37	38	41	50
	Med-High		32/31	32	33	34	37	39	46
	Med		30/29	30	31	33	34	36	43
	Med-Low		28/26	28	29	31	32	33	39
	Low		27/24	27	27	29	30	30	35
	Quiet		25/21	25	25	27	27	27	30
Net Dimensions (H × W × D)		mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
Weight		kg	14.5	15	15	15	15	17	17
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						
Cassette Grille	Model name		UTG-UFYE-W/UTG-UFYC-W						
	Net Dimensions (H × W × D)	mm	49 × 620 × 620/50 × 700 × 700						
	Weight	kg	2.3/2.6						

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

Optional parts

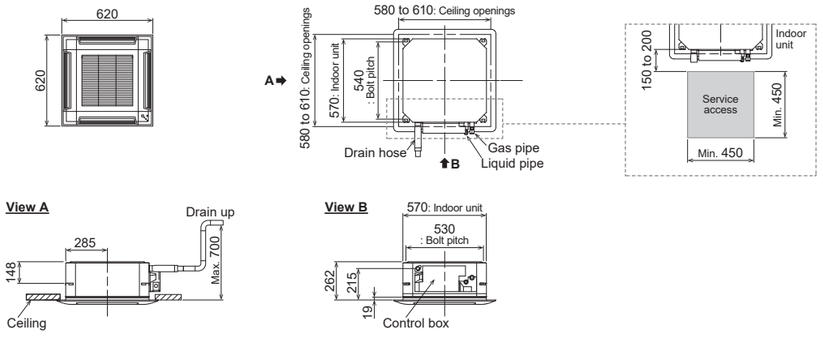
*For more details, please refer to the chapter "Optional parts".

Air Outlet Shutter Plate:	UTR-YDZB	Cassette Grille:	UTG-UFYC-W, UTG-UFYE-W
Flesh Air Intake Kit:	UTZ-VXAA	External power supply unit:	UTZ-GXXA, UTZ-GXXC*
Insulation kit for high humidity:	UTZ-KXGC	WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
Silver Ion Filter:	UTD-HFAA		
Remote sensor kit:	UTY-XSZXZ1		



Dimensions

(Unit: mm)

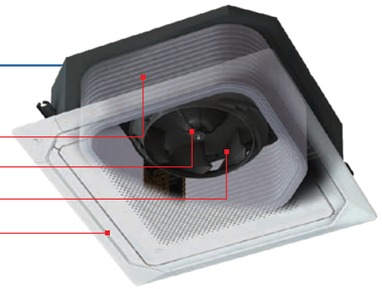


Cassette Slim type
Circular Flow

DC FAN

Unique circular flow design

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



Uniform temperature air conditioning

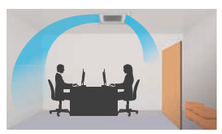
Achieve a comfortable air conditioning spread to every corner of the room thanks to the circular flow and wide vertical airflow.

Individual louver control

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

* UTY-RNRYZ5 Wired remote controller with touch panel and UTY-DCGYZ3 Central remote controller only

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



Provides efficient air conditioning based on the room layout

The Human sensor contributes to further energy savings.

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

* UTY-RNRYZ5 Wired remote controller with touch panel and UTY-DCGYZ3 Central remote controller only

Human sensor (Optional)

2 modes are available to choose from:

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

Model: AUXM018GLEH / AUXM024GLEH / AUXM030GLEH

Specifications

Model name			AUXM018GLEH	AUXM024GLEH	AUXM030GLEH
Power source				Single phase, ~230 V, 50 Hz	
Capacity	Cooling	kW	5.6	7.1	9.0
	Heating		6.3	8.0	10.0
Input power		W	20	25	49
Airflow rate	High	m^3/h	1,050	1,120	1,470
	Med-High		930	1,050	1,160
	Med		900	930	1,070
	Med-Low		870	900	930
	Low		810	870	900
	Quiet		780	780	780
Sound pressure level	High	dB(A)	33	35	40
	Med-High		32	33	36
	Med		31	32	34
	Med-Low		30	31	32
	Low		29	30	31
	Quiet		28	28	28
Dimensions (H × W × D)		mm	246 × 840 × 840		
Weight		kg	24.0	24.5	24.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52
	Gas (Flare)		12.70	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32		
Cassette Grille	Model name		UTG-UKYC-W/UTG-UKYA-B		
	Dimensions (H × W × D)	mm	53 × 950 × 950		
	Weight	kg	6.0		

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

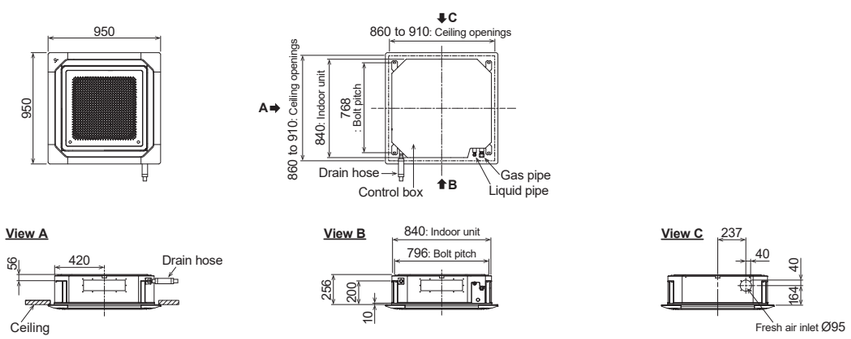
Optional parts

*For more details, please refer to the chapter "Optional parts".

Human sensor Kit:	UTY-SHZXC	Air Outlet Shutter Plate:	UTR-YDZK	IR Receiver Unit:	UTY-LBHXD
Wide Panel:	UTG-AKXA-W	Insulation kit for high humidity:	UTZ-KXRA	WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3,FG-AC-WIF1Z1
Panel Spacer:	UTG-BKXA-W	Cassette Grille:	UTG-UKYC-W, UTG-UKYA-B	Silver Ion Filter:	UTD-HFRA
Fresh air intake kit:	UTZ-VXRA	External power supply unit:	UTZ-GXXA, UTZ-GXXC*	Remote sensor kit:	UTY-XSZXZ1

Dimensions

(Unit: mm)

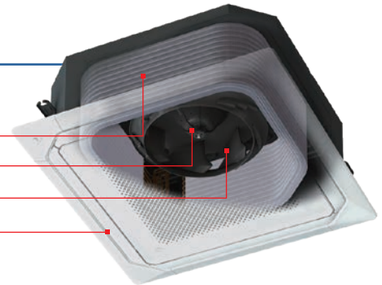


Cassette
Large type
Circular Flow

DC FAN

Unique circular flow design

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



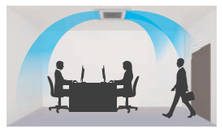
Uniform temperature air conditioning

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

Individual louver control

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

* UTY-RNRYZ5 Wired remote controller with touch panel and UTY-DCGYZ3 Central remote controller only



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

Provides efficient air conditioning based on the room layout

The Human sensor contributes to further energy savings.

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

* UTY-RNRYZ5 Wired remote controller with touch panel and UTY-DCGYZ3 Central remote controller only

Human sensor (Optional)

2 modes are available to choose from:

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

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

Specifications

Model name			AUXK018GLEH	AUXK024GLEH	AUXK030GLEH	AUXK034GLEH	AUXK036GLEH	AUXK045GLEH	AUXK054GLEH
Power source			Single phase, ~230 V, 50 Hz						
Capacity	Cooling	kW	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating		6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power		W	40	40	47	47	61	89	116
Airflow rate	High	m^3/h	1,420	1,420	1,440	1,440	1,620	1,820	2,040
	Med-High		1,360	1,360	1,400	1,400	1,500	1,590	1,800
	Med		1,300	1,300	1,340	1,340	1,400	1,500	1,590
	Med-Low		1,270	1,270	1,300	1,300	1,340	1,400	1,440
	Low		1,200	1,200	1,280	1,280	1,280	1,300	1,300
	Quiet		1,150	1,150	1,150	1,150	1,150	1,150	1,150
Sound pressure level	High	dB(A)	38	38	39	39	41	44	47
	Med-High		37	37	38	38	40	42	45
	Med		36	36	37	37	38	40	42
	Med-Low		35	35	36	36	37	38	39
	Low		34	34	35	35	36	36	36
	Quiet		33	33	33	33	33	33	33
Dimensions (H × W × D)		mm	288 × 840 × 840						
Weight		kg	26.5	26.5	29.5	29.5	29.5	29.5	29.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		12.70	15.88	15.88	15.88	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						
Cassette Grille	Model name		UTG-UKYC-W/UTG-UKYA-B						
	Dimensions (H × W × D)	mm	53 × 950 × 950						
	Weight	kg	6.0						

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

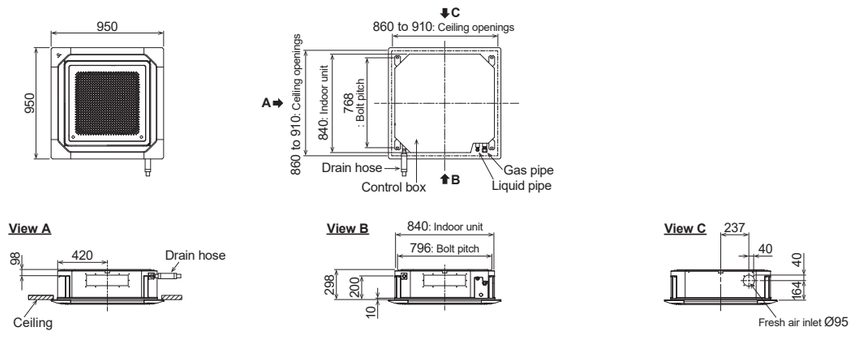
Optional parts

*For more details, please refer to the chapter "Optional parts".

Human sensor Kit:	UTY-SHZXC	Air Outlet Shutter Plate:	UTR-YDZK	IR Receiver Unit:	UTY-LBHXD
Wide Panel:	UTG-AKXA-W	Insulation kit for high humidity:	UTZ-KXRA	WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3,FG-AC-WIF1Z1
Panel Spacer:	UTG-BKXA-W	Cassette Grille:	UTG-UKYC-W, UTG-UKYA-B	Silver Ion Filter:	UTD-HFRA
Fresh air intake kit:	UTZ-VXRA	External power supply unit:	UTZ-GXXA, UTZ-GXXC*	Remote sensor kit:	UTY-XSZXZ1

Dimensions

(Unit: mm)



Cassette
One-way Flow type

DC FAN

Compact chassis size

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

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

Dimensions (Panel size) (Unit: mm)

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

Wide airflow range

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

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

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

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

Quiet mode

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

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

AUXV004/007/009/012GLEH

AUXV014/018/024GLEH

Specifications

Model name			AUXV004GLEH	AUXV007GLEH	AUXV009GLEH	AUXV012GLEH	AUXV014GLEH	AUXV018GLEH	AUXV024GLEH
Power source			Single phase, ~230 V, 50 Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	30/30	42/42	42/42	60/60	38/38	56/56	99/99
Airflow rate*	High	m^3/h	460	550	550	670	720	890	1,150
	Med-High		440	440	440	520	660	840	1,020
	Med		420	420	420	480	630	770	940
	Med-Low		400	400	400	450	600	710	790
	Low		380	380	380	410	580	660	700
	Quiet		360	360	360	360	550	580	610
Sound pressure level*	High	dB(A)	38	42	42	45	37	44	49
	Med-High		37	37	37	41	36	43	47
	Med		36	36	36	39	35	40	45
	Med-Low		35	35	35	38	34	38	42
	Low		33	33	33	36	33	36	39
	Quiet		32	32	32	32	32	34	36
Net Dimensions (H × W × D)		mm	198 × 785 × 570	198 × 785 × 570	198 × 785 × 570	198 × 785 × 570	198 × 1,190 × 570	198 × 1,190 × 570	198 × 1,190 × 570
Weight		kg	18	19	19	19	26	26	27
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						
Cassette Grille	Model name		UTG-UNYA-W				UTG-UNYB-W		
	Net Dimensions (H × W × D)	mm	43 × 950 × 620				43 × 1,360 × 620		
	Weight	kg	6.5				8.5		

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

Optional parts

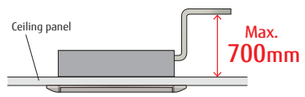
*For more details, please refer to the chapter "Optional parts".

WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
IR Receiver Unit:	UTY-TRHX
Cassette Grille:	UTG-UNYA-W (004-012), UTG-UNYB-W (014-024)
External power supply unit:	UTZ-GXXA, UTZ-GXXC*
Remote sensor kit:	UTY-XSZXZ1

Flexible Installation

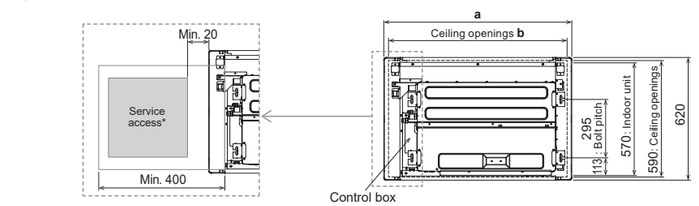
The L-shaped pipe kit allows for more flexible installation.

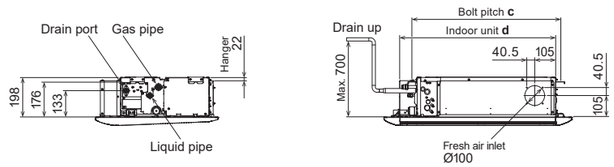
Equipped with a built-in drain pump as standard, which enables a maximum pipe height difference of 700 m from the ceiling.



Dimensions

(Unit: mm)





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

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

3D Flow Cassette

DC FAN

3 individually controlled air outlet ports

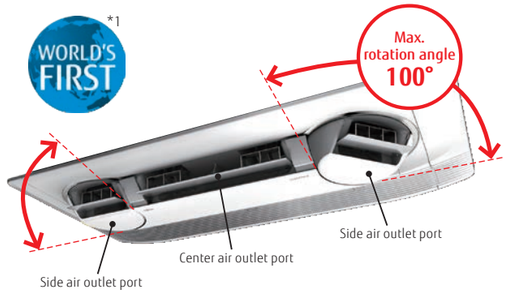
The Comfortable airflow setting enables the left and right air outlet ports as well as the wide center port to work together to provide a comfortable room environment.

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

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

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

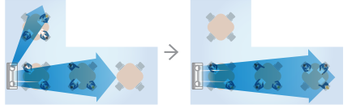
WORLD'S FIRST *1



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

Individual airflow setting

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



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

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

Individual control of air outlet ports

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

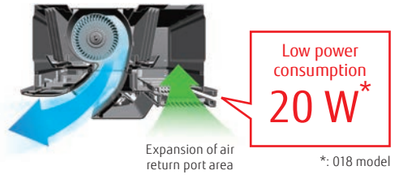
Wired remote controller with Touch Panel
UTY-RNRYZ5

Central remote controller
UTY-DCGYZ3

* Feature available only on UTY-RNRYZ5 Wired remote controller with touch panel and UTY-DCGYZ3 Central remote controller

High energy saving

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



*: 018 model

Model: AUXS018GLEH / AUXS024GLEH

Specifications

Model name			AUXS018GLEH	AUXS024GLEH
Power source			Single phase, ~230 V, 50 Hz	
Capacity	Cooling	kW	5.60	7.10
	Heating		6.30	8.00
Input power		W	20/28	34/43
Airflow rate*	High	m^3/h	750/870	950/1,040
	Med-High		710/830	890/990
	Med		690/780	860/930
	Med-Low		660/740	810/880
	Low		630/700	770/840
	Quiet		540/540	540/540
Sound pressure level*	High	dB(A)	38/41	43/46
	Med-High		36/40	42/45
	Med		35/39	41/43
	Med-Low		35/37	40/42
	Low		33/36	38/40
	Quiet		29/29	29/29
Net Dimensions (H × W × D)		mm	200 × 1,240 × 500	200 × 1,240 × 500
Weight		kg	25	25
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52
	Gas (Flare)		12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32	
Cassette Grille	Model name		UTG-USYA-W	
	Net Dimensions (H × W × D)	mm	85 × 1,350 × 580	
	Weight	kg	11.5	

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

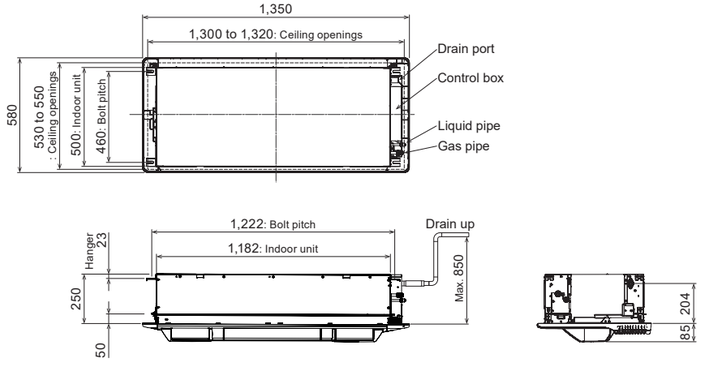
Optional parts

*For more details, please refer to the chapter "Optional parts".

WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
IR Receiver Unit:	UTY-TRHX
Cassette Grille:	UTG-USYA-W
External power supply unit:	UTZ-GXXA, UTZ-GXXC*
Remote sensor kit:	UTY-XSZXZ1

Dimensions

(Unit: mm)

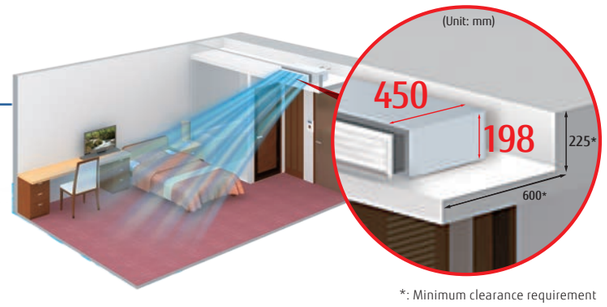


Low Static Pressure Duct Mini Duct
(With drain pump)

DC FAN

Space saving design

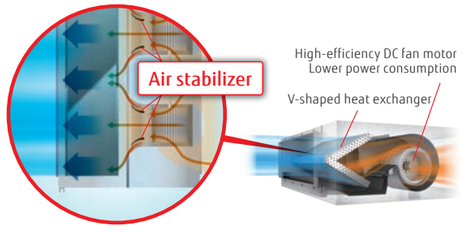
- Fits into a space 198 mm high and 450 mm deep
- 30% smaller than previous-generation models
- Weighs 16 kg, 10% lighter



*: Minimum clearance requirement

Optimum airflow path and low noise operation

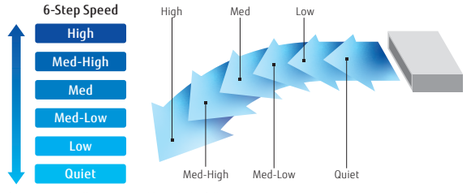
The stabilized airflow reduces the noise level significantly.



6-speed control*

Multistep airflow adjustment allows installation in a quiet location.

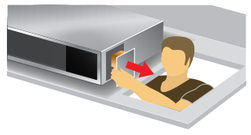
Low noise
20 dB(A)
at 04 model



* Remote controller is compatible with the following:
UTY-RNRYZ5 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGYZ3 / UTY-ALGXZ1 / UTY-APGXZ1

Easy to design and maintain for drain

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



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

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

ARXK004/007/009/012/014GLGH

ARXK018GLGH

ARXK024GLGH

Specifications

Model name			ARXK004GLGH	ARXK007GLGH	ARXK009GLGH	ARXK012GLGH	ARXK014GLGH	ARXK018GLGH	ARXK024GLGH
Power source			Single phase, ~230 V, 50 Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	26	28	28	35	66	73	80
Airflow rate	High	m^3/h	460	460	460	550	760	930	1,160
	Med-High		440	440	440	520	660	840	1,060
	Med		420	420	420	480	560	740	960
	Med-Low		400	400	400	450	490	640	860
	Low		370	370	370	410	410	540	750
	Quiet		340	340	340	340	340	470	610
Static pressure range		Pa	0 to 30	0 to 30	0 to 30	0 to 30	0 to 50	0 to 50	0 to 50
Standard static pressure			10	10	10	10	15	15	15
Sound pressure level	High	dB(A)	25	26	26	29	34	33	32
	Med-High		24	25	25	27	31	30	30
	Med		23	24	24	26	28	28	28
	Med-Low		22	23	23	25	26	26	27
	Low		21	22	22	24	24	24	25
	Quiet		20	21	21	22	22	22	22
Net Dimensions (H × W × D)		mm	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 900 × 450	198 × 1,100 × 450
Weight		kg	14.5	15.5	15.5	16	16	19	22.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						

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

Optional parts

*For more details, please refer to the chapter "Optional parts".

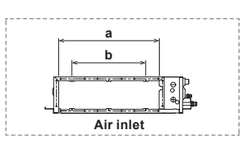
Remote sensor unit:	UTY-XSZXZ1	External power supply unit:	UTZ-GXXA, UTZ-GXXC*
IR receiver unit:	UTY-TRHX	Auto Louver Grille Kit:	UTD-GXTA-W (004-014)
Silver Ion Filter:	UTD-HFTA (004-014)		UTD-GXTB-W (018)
	UTD-HFTB (018)		UTD-GXTC-W (024)
	UTD-HFTC (024)	WLAN adapter:	FG-AC-WIF1Z1
			UTY-TFSXJ3, UTY-TFSXZ1 (007-024)

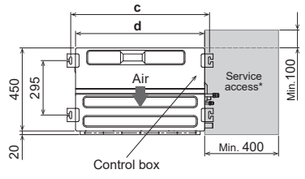
Auto Louver Grille Kit (Optional)

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

Dimensions

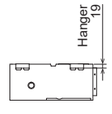
(Unit: mm)

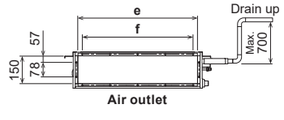


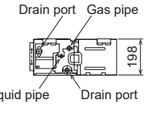


	ARXK 004-014GLGH	ARXK018GLGH	ARXK024GLGH
a	575	775	975
b	P200×2=400	P200×3=600	P200×4=800
c	752	952	1,152
d	700	900	1,100
e	650	850	1,050
f	P100×6=600	P100×8=800	P100×10=1,000

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





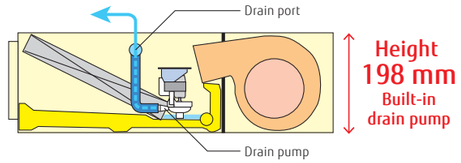


Low Static Pressure Duct
Slim Duct/Slim Concealed Floor

DC FAN

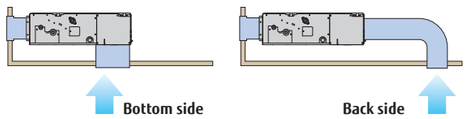
Slim design

Slim design allows for installation in a tight ceiling space.



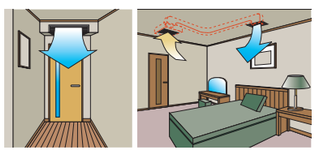
Air intake

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



Flexible installation

Ceiling concealed



Floor concealed

Wide range of static pressures

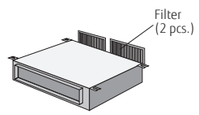
The use of a DC fan motor makes it possible to adjust the static pressure between 0 and 90 Pa.
The static pressure range can be changed by a remote controller.

Static pressure range
0 to 90 Pa

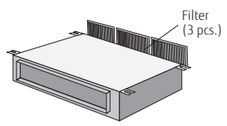
*024 model static pressure range is 0 to 50 Pa.

Filter (Accessory)

ARXD04/007/009/012/014/018

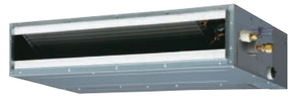


ARXD024

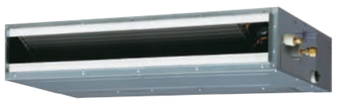


Model: ARXD04GALH / ARXD007GLEH / ARXD009GLEH
ARXD012GLEH / ARXD014GLEH / ARXD018GLEH
ARXD024GLEH

ARXD04GALH
ARXD007/009/012/014GLEH



ARXD018GLEH



ARXD024GLEH

Slim Concealed Floor

Specifications

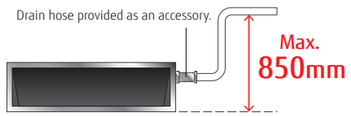
Model name			ARXD04GALH*	ARXD007GLEH	ARXD009GLEH	ARXD012GLEH	ARXD014GLEH	ARXD018GLEH	ARXD024GLEH
Power source			Single phase, ~230 V, 50 Hz						
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W	40	44	50	54	92	83	122
Airflow rate	High	m^3/h	510	550	600	600	800	940	1,330
	Med-High		-	480	510	530	680	820	1,140
	Med		400/470*1	440	460	490	600	730	1,020
	Med-Low		-	410	420	450	520	630	900
	Low		320/440*1	370	370	410	440	540	780
	Quiet		-	320	320	340	340	470	610
Static pressure range		Pa	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 50
Standard static pressure			25	25	25	25	25	25	25
Sound pressure level	High	dB(A)	26	28	29	30	34	34	35
	Med-High		-	26	27	28	32	31	31
	Med		21/25*1	25	25	27	30	29	29
	Med-Low		-	24	24	26	28	27	27
	Low		20/22*1	22	22	24	25	25	24
	Quiet		-	21	21	22	22	23	21
Net Dimensions (H × W × D)		mm	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620	198 × 1,100 × 620
Weight		kg	17	17	17	18	18	22	26
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	Gas (Flare)		12.70	9.52	9.52	12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32						

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

Optional parts

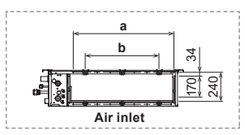
*For more details, please refer to the chapter "Optional parts".

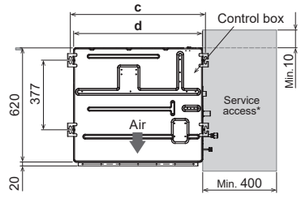
Remote sensor unit:	UTY-XSZXZ1	External power supply unit:	UTZ-GXXA, UTZ-GXXC*
IR receiver unit:	UTB-YWC (04)	Auto Louver Grille Kit:	UTD-GXTA-W (04, 007-014)
	UTY-TRHX (007-024)		UTD-GXTB-W (018)
WLAN adapter:	UTY-TFSXJ3 (007-024)		UTD-GXTC-W (024)
	UTY-TFSXZ1 (007-024)	Silver Ion Filter:	UTD-HFTA (04, 007-014)
	FG-RC-WIF1Z2 (04)		UTD-HFTB (018)
	FG-AC-WIF1Z1 (007-024)		UTD-HFTC (024)

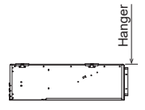


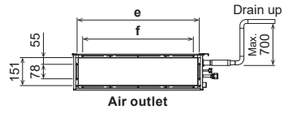
Dimensions

(Unit: mm)



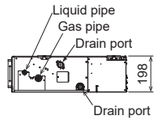






	ARXD04GALH ARXD 007-014GLEH	ARXD018GLEH	ARXD024GLEH
a	574	774	974
b	P200×2=400	P200×3=600	P200x4=800
c	734	934	1,134
d	700	900	1,100
e	650	850	1,050
f	P100×6=600	P100×8=800	P100×10=1,000

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



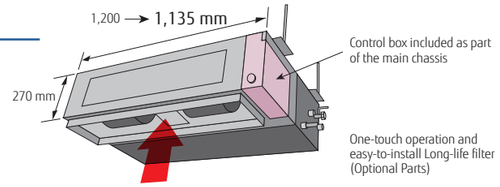
Low Static Pressure Duct

High Efficiency

DC FAN

Slim & Compact design

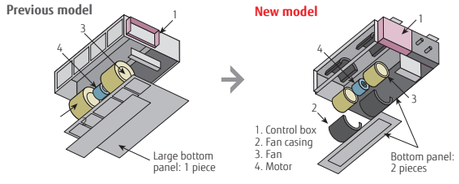
The slim and compact design of the indoor unit, with the control box mounted on the side, allows installation in narrow spaces.



Easy maintenance

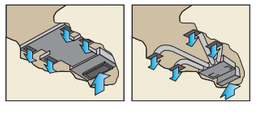
Structural improvement has been developed by making the bottom panel in two pieces, front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. The motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing with the main chassis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

See below for rear-suction type

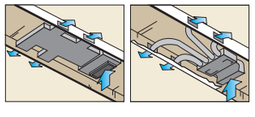


Installation styles

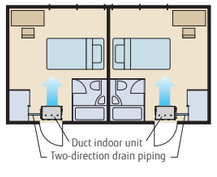
Embedded in Ceiling



Hanging from Ceiling

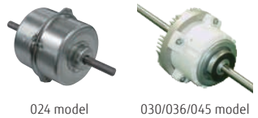


A drain pipe can be installed on either the left or right side of the unit



High-efficiency DC fan motor achieves low-energy consumption.

Improved motor efficiency from previous model.



024 model

030/036/045 model

Wide range of static pressures

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

Static pressure range
0 to 80 Pa

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

Specifications

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

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

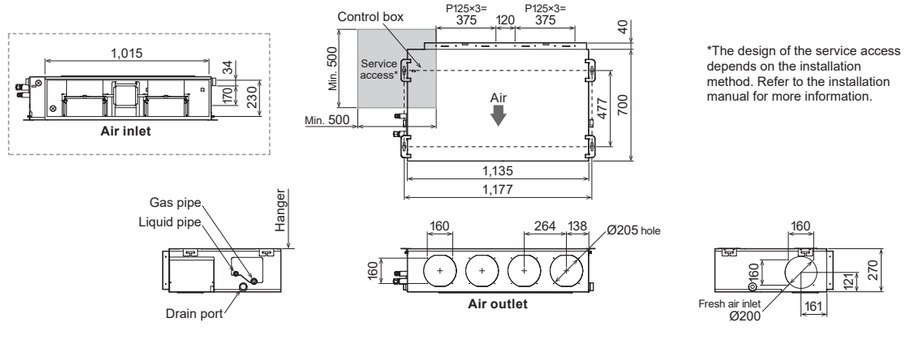
Optional parts

*For more details, please refer to the chapter "Optional parts".

Long-life filter:	UTD-LF25NA	IR receiver unit:	UTY-TRHX
Flange (square):	UTD-SF045T	Drain pump unit:	UTZ-PX1NBA
Flange (round):	UTD-RF204	WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
External power supply unit:	UTZ-GXXA, UTZ-GXXC*	Silver Ion Filter:	UTD-HFND
Remote sensor unit:	UTY-XSZXZ1		

Dimensions

(Unit: mm)



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

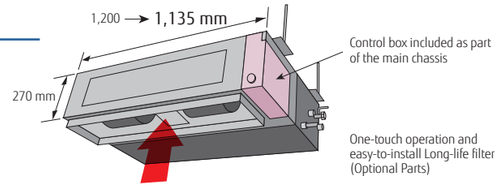
Medium Static Pressure Duct

Normal

DC FAN

Slim & Compact design

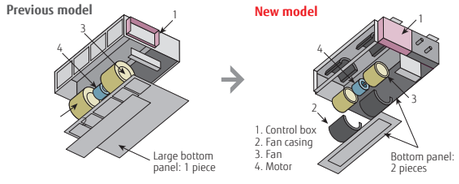
The slim and compact design of the indoor unit, with the control box mounted on the side, allows installation in narrow spaces.



Easy maintenance

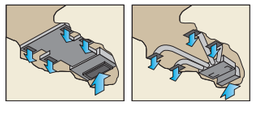
Structural improvement has been developed by making the bottom panel in two pieces, front and rear. The internal fan casing is also manufactured in two pieces—upper and lower. The motor and fan can be easily accessed and maintained by removing the rear panel and the lower casing with the main chassis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

See below for rear-suction type

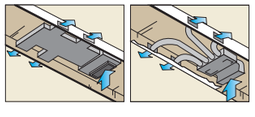


Installation styles

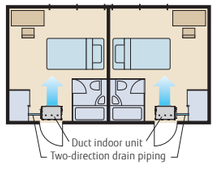
Embedded in Ceiling



Hanging from Ceiling

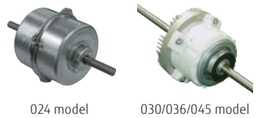


A drain pipe can be installed on either the left or right side of the unit



High-efficiency DC fan motor achieves low-energy consumption.

Improved motor efficiency from previous model.



024 model

030/036/045 model

Wide range of static pressures

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

Static pressure range
0 to 150 Pa

Model: ARXA024GLEH / ARXA030GLEH / ARXA036GLEH / ARXA045GLEH

Specifications

Model name			ARXA024GLEH	ARXA030GLEH	ARXA036GLEH	ARXA045GLEH
Power source			Single phase, ~230 V, 50 Hz			
Capacity	Cooling	kW	7.1	9.0	11.2	12.5
	Heating		8.0	10.0	12.5	14.0
Input power		W	94	108	194	240
Airflow rate	High	m^3/h	1,280	1,410	1,840	1,970
	Med-High		1,180	1,350	1,750	1,910
	Med		1,090	1,280	1,660	1,860
	Med-Low		1,000	1,240	1,600	1,780
	Low		920	1,190	1,530	1,710
	Quiet		840	1,150	1,470	1,640
Static pressure range		Pa	0 to 150	0 to 150	0 to 150	0 to 150
Standard static pressure			40	50	50	60
Sound pressure level	High	dB(A)	31	34	37	41
	Med-High		29	33	36	40
	Med		27	32	35	38
	Med-Low		26	31	35	38
	Low		24	30	34	37
	Quiet		23	29	33	36
Net Dimensions (H × W × D)		mm	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
Weight		kg	36	40	40	40
Connection pipe diameter	Liquid (Flare)	mm	9.52	9.52	9.52	9.52
	Gas (Flare)		15.88	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			25/32			

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

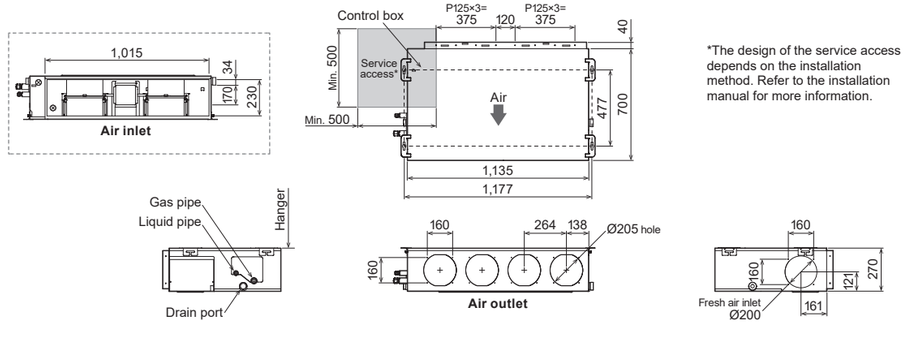
Optional parts

*For more details, please refer to the chapter "Optional parts".

Long-life filter:	UTD-LF25NA	IR receiver unit:	UTY-TRHX
Flange (square):	UTD-SF045T	Drain pump unit:	UTZ-PX1NBA
Flange (round):	UTD-RF204	WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
External power supply unit:	UTZ-GXXA, UTZ-GXXC*	Silver Ion Filter:	UTD-HFND
Remote sensor unit:	UTY-XSZXZ1		

Dimensions

(Unit: mm)



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

High Static Pressure Duct

Normal

Static pressure mode selection

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

(ARXC036/045/060 type) (ARXC072/090 type) (ARXC096 type)

Easy installation (Compact & Lightweight)

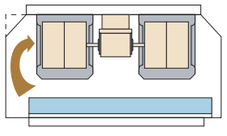
(Unit: mm)

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

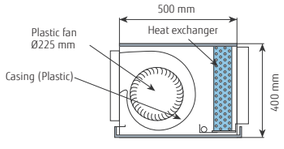
(ARXC036/045/060 type) (ARXC072/090 type) (ARXC096 type)

Low noise

Models: ARXC036/ARXC045/ARXC060
The corners of the front panel and fan casing of the indoor unit are shaved to reduce air turbulence. The use of a plastic case and fan reduces the noise level generated by the unit.



ARXC036GTEH:
Plastic fan [42 dB(A)]
* Model: Material
(Actual noise measurement value measured at 100 Pa)



High-efficiency DC fan motor achieves low energy consumption.

Improved motor efficiency compared to the previous model

(ARXC036/045/060 type)

(ARXC072/090/096 type)

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

ARXC036/045/060GTEH

ARXC072/090GTEH

ARXC096GTEH

Specifications

Model name			ARXC036GTEH	ARXC045GTEH	ARXC060GTEH*	ARXC072GTEH*	ARXC090GTEH*	ARXC096GTEH*
Power source			Single phase, ~230 V, 50 Hz					
Capacity	Cooling	kW	11.2	12.5	18.0	22.4	25.0	28.0
	Heating		12.5	14.0	20.0	25.0	28.0	31.5
Input power		W	207	715	730	681	819	838
Airflow rate	High	m^3/h	1,990	3,500	3,500	3,900	4,300	4,850
	Med		1,680	3,000	3,000	3,300	4,000	4,250
	Low		1,330	2,460	2,460	3,000	3,500	3,600
Static pressure range		Pa	0 to 200	100 to 250	100 to 250	0 to 300	0 to 300	0 to 300
Standard static pressure			100	100	100	150	150	150
Sound pressure level	High	dB(A)	42	49	49	47	48	48
	Med		36	45	45	43	46	45
	Low		32	42	42	40	44	42
Net Dimensions (H × W × D)		mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	450 × 1,587 × 700	450 × 1,587 × 700	550 × 1,587 × 700
Weight		kg	40	46	46	84	84	105
Connection pipe diameter	Liquid	mm	9.52 (Flare)	9.52 (Flare)	9.52 (Flare)	9.52 (Flare)	9.52 (Flare)	9.52 (Brazing)
	Gas		15.88 (Flare)	15.88 (Flare)	15.88 (Flare)	19.05 (Flare)	19.05 (Flare)	22.22 (Brazing)
Drain Hose Diameter (I.D./O.D.)			25/32					

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

Optional parts

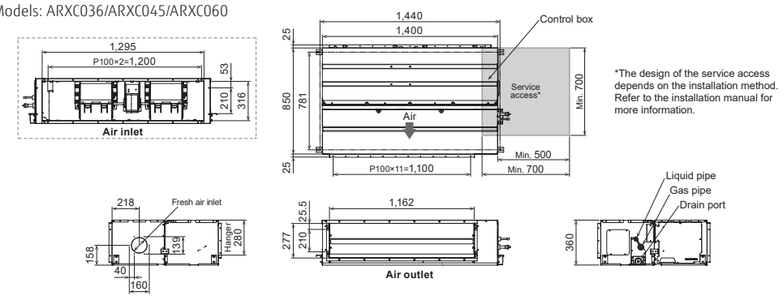
*For more details, please refer to the chapter "Optional parts".

Long-life filter:	UTD-LF60KA (036/045/060)	WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
IR receiver unit:	UTY-TRHX	Silver Ion Filter:	UTD-HFKB (036/045/060)
External power supply unit:	UTZ-GXXA, UTZ-GXXC*	Remote sensor unit:	UTY-XSZXZ1

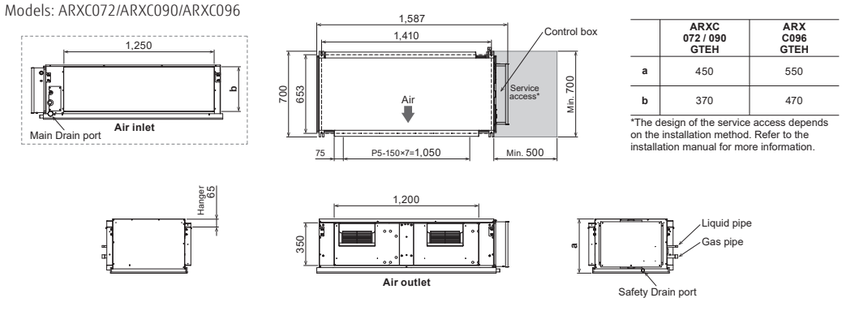
Dimensions

(Unit: mm)

Models: ARXC036/ARXC045/ARXC060



Models: ARXC072/ARXC090/ARXC096



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

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

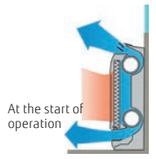
Compact floor

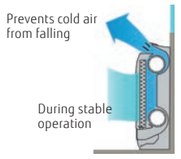
DC FAN

2-fan and wide airflow

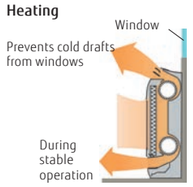
A 2-fan individual vertical airflow cools or warms the entire room comfortably.

Cooling



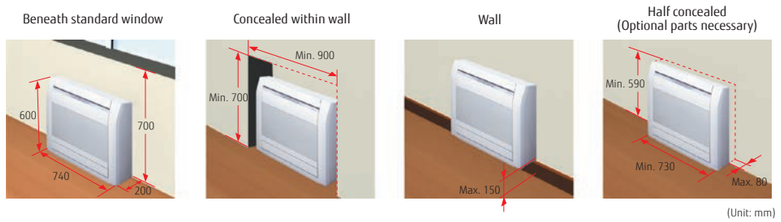


Heating



Flexible and easy installation

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



(Unit: mm)

Quiet operation

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

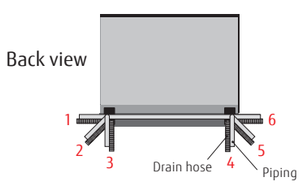
Low noise
22 dB(A)

004/007/009 models

* Remote controller is compatible with the following:
UTY-RNRYZ5 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGYZ3 / UTY-ALGXZ1 / UTY-APGXZ1

Flexible pipe connection enables draining and piping in 6 directions

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



Model: AGYA004GCGH / AGYA007GCGH / AGYA009GCGH
AGYA012GCGH / AGYA014GCGH

[external EEV]
AGYE004GCEH / AGYE007GCEH / AGYE009GCEH
AGYE012GCEH / AGYE014GCEH

Specifications

Model name			AGYA004GCGH	AGYA007GCGH	AGYA009GCGH	AGYA012GCGH	AGYA014GCGH	AGYE004GCEH	AGYE007GCEH	AGYE009GCEH	AGYE012GCEH	AGYE014GCEH
Power source			Single phase, ~230 V, 50 Hz					Single phase, ~230 V, 50 Hz				
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0
	Heating		1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5
Input power		W	12/14	16	17	22	29	14	16	17	22	29
Airflow rate	High	m^3/h	380/430	470	500	590	670	380/430	470	500	590	670
	Med-High		350	420	450	520	590	350	420	450	520	590
	Med		320	390	400	470	520	320	390	400	470	520
	Med-Low		310	360	360	420	450	310	360	360	420	450
	Low		280	330	330	390	390	280	330	330	390	390
	Quiet		210	270	270	340	340	210	270	270	340	340
Sound pressure level	High	dB(A)	35/36	37	38	42	46	35/36	37	38	42	46
	Med-High		33	35	36	39	42	33	35	36	39	42
	Med		31	33	34	37	39	31	33	34	37	39
	Med-Low		30	31	31	35	36	30	31	31	35	36
	Low		28	29	29	33	33	28	29	29	33	33
	Quiet		22	22	22	30	30	22	22	22	30	30
Net Dimensions (H × W × D)		mm	600 × 740 × 200					600 × 740 × 200				
Weight		kg	15.0	15.0	15.0	15.0	15.0	14.5	14.5	14.5	14.5	14.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	9.52	9.52	9.52	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			13.8/15.8 to16.7					13.8/15.8 to16.7				
EV kit (optional)			-					UTR-EV09XB			UTR-EV14XB	

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

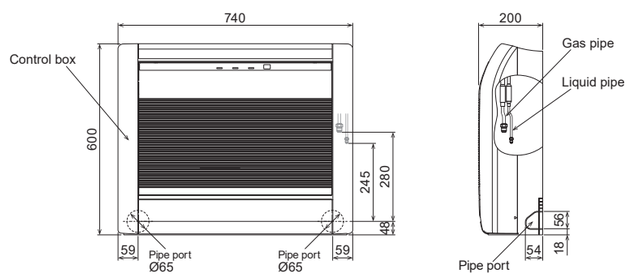
Optional parts

*For more details, please refer to the chapter "Optional parts".

Partially concealing kit:	UTR-STA
External power supply unit:	UTZ-GXXA, UTZ-GXXC*
WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
Silver Ion Filter:	UTR-FA03-5

Dimensions

(Unit: mm)



Floor/Ceiling

DC FAN

Flexible installation

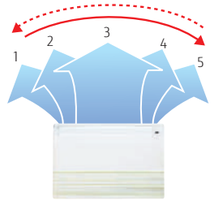
Example of floor standing installation
Floor standing console with the back against the wall

Example of ceiling installation
Under ceiling

Double auto swing

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

RIGHT and LEFT SWING



UP and DOWN SWING

4 steps selectable

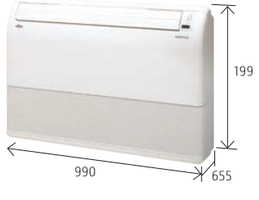
High-power DC fan motor

- High power
- Wide rotation range
- High-efficiency

Compact design

(Unit: mm)

Symmetrical, slim and compact design.



Model: ABYA012GTEH / ABYA014GTEH / ABYA018GTEH / ABYA024GTEH

Floor standing

Specifications

Model name			ABYA012GTEH	ABYA014GTEH	ABYA018GTEH	ABYA024GTEH
Power source			Single phase, ~230 V, 50 Hz			
Capacity	Cooling	kW	3.6	4.5	5.6	7.1
	Heating		4.0	5.0	6.3	8.0
Input power		W	30	42	74	99
Airflow rate	High	m^3/h	660	780	1,000	1,000
	Med-High		620	740	910	930
	Med		580	690	830	870
	Med-Low		550	640	750	800
	Low		520	600	660	740
	Quiet		490	550	580	680
Sound pressure level	High	dB(A)	36	40	46	47
	Med-High		34	39	44	45
	Med		33	38	42	43
	Med-Low		31	36	40	41
	Low		29	35	37	39
	Quiet		28	34	35	37
Net Dimensions (H × W × D)		mm	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655
Weight		kg	25	26	26	27
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	9.52
	Gas (Flare)		12.70	12.70	12.70	15.88
Drain Hose Diameter (I.D./O.D.)			25/32			

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

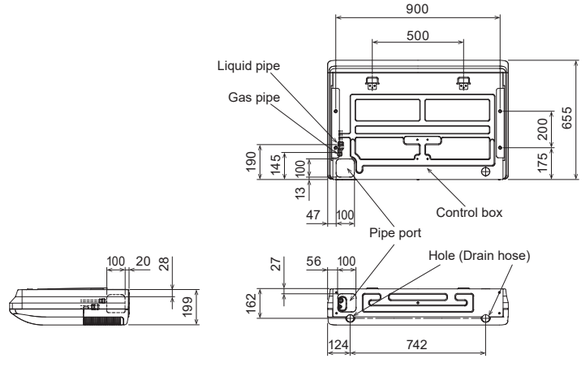
Optional parts

*For more details, please refer to the chapter "Optional parts".

External power supply unit: UTZ-GXXA, UTZ-GXXC*
WLAN adapter: UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1

Dimensions

(Unit: mm)

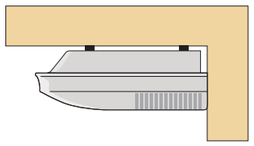


Ceiling

DC FAN

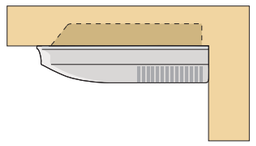
Installation

Open



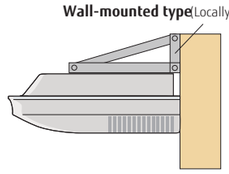
General installation with indoor unit installed on the ceiling

Concealed



Installation with indoor unit embedded into the ceiling

Wall-mounted type (Locally Available)

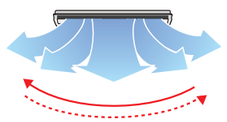


Wall-mounting brackets are used to mount the indoor unit on the wall. (Locally available)
This type of installation is used when the ceiling space is insufficient.

Double auto swing and wide airflow

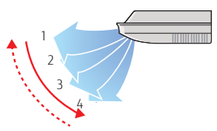
Auto airflow direction and auto swing

Left/Right



5 steps selectable

Up/Down



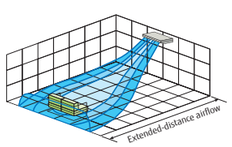
4 steps selectable

High-power DC fan motor

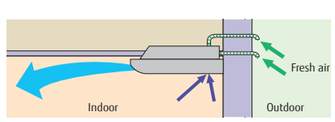
- High power
- Wide rotation range
- High-efficiency

Long airflow

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



Fresh air intake



Slim & Compact design

Model: ABYA030GTEH / ABYA036GTEH / ABYA045GTEH / ABYA054GTEH

Specifications

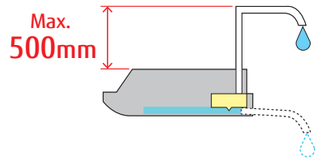
Model name			ABYA030GTEH	ABYA036GTEH	ABYA045GTEH	ABYA054GTEH
Power source			Single phase, ~230 V, 50 Hz			
Capacity	Cooling	kW	9.0	11.2	12.5	14.0
	Heating		10.0	12.5	14.0	16.0
Input power		W	66	85	131	180
Airflow rate	High	m^3/h	1,630	1,690	2,010	2,270
	Med-High		1,520	1,560	1,840	2,070
	Med		1,420	1,450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

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

Optional parts

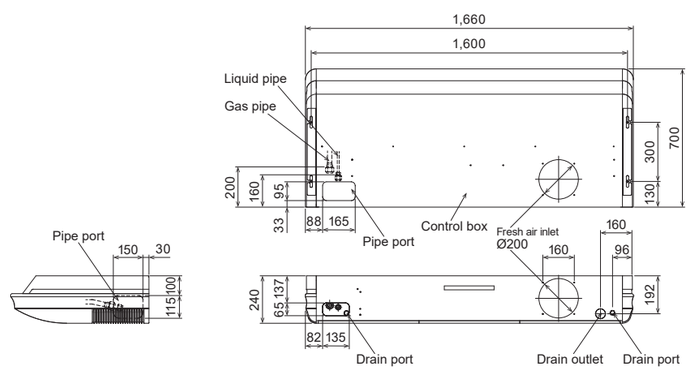
*For more details, please refer to the chapter "Optional parts".

Drain pump unit:	UTR-DPB24T
Flange:	UTD-RF204
External power supply unit:	UTZ-GXXA, UTZ-GXXC*
WLAN adapter:	UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1



Dimensions

(Unit: mm)



Wall-mounted type

DC FAN

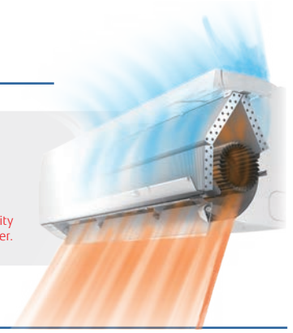
Highly-efficiency, compact design

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

High-density heat exchanger

Slim tube design: 5 mm

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

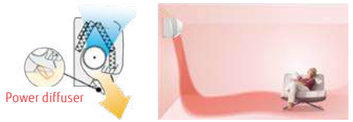


More comfortable airflow

The unique power diffuser provides comfortable air conditioning.

Heating

The vertical airflow provides powerful floor-level heating.

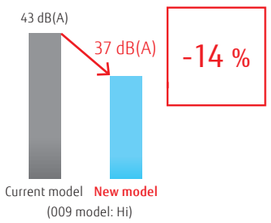


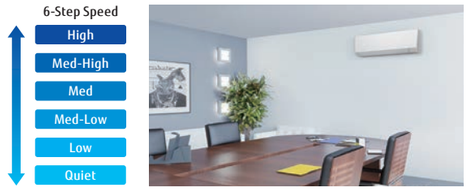
Cooling

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

Quiet operation & 6-Step fan speed control

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



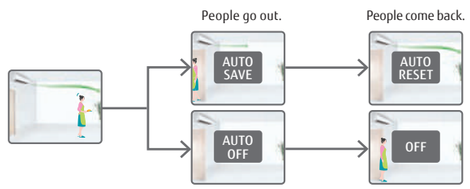


* Remote controller is compatible with the following:
UTY-RNRYZ5 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGYZ3 / UTY-ALGXZ1 / UTY-APGXZ1

The Human sensor contributes to further energy savings.

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

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



Model: ASYA004GCGH / ASYA007GCGH / ASYA009GCGH
ASYA012GCGH / ASYA014GCGH

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

Specifications

Model name			ASYA004GCGH	ASYA007GCGH	ASYA009GCGH	ASYA012GCGH	ASYA014GCGH	ASYE004GCEH	ASYE007GCEH	ASYE009GCEH	ASYE012GCEH	ASYE014GCEH
Power source			Single phase, ~230 V, 50 Hz					Single phase, ~230 V, 50 Hz				
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0
	Heating		1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5
Input power		W	12	19	20	25	36	12	19	34	25	36
Airflow rate	High	m^3/h	450	550	610	690	800	450	550	610	690	800
	Med-High		430	510	560	610	740	430	510	560	610	740
	Med		400	470	510	560	680	400	470	510	560	680
	Med-Low		380	410	440	530	610	380	410	440	530	610
	Low		360	360	360	470	550	360	360	360	470	550
	Quiet		310	310	310	330	330	310	310	310	330	330
Sound pressure level	High	dB(A)	31	34	37	40	44	31	35	43	40	44
	Med-High		30	32	35	37	42	30	32	38	37	42
	Med		28	30	32	35	40	28	30	34	35	40
	Med-Low		27	28	29	33	37	27	27	29	33	37
	Low		26	26	26	30	34	26	24	24	30	34
	Quiet		22	22	22	24	24	22	22	22	24	24
Net Dimensions (H × W × D)		mm	268 × 840 × 203					268 × 840 × 203				
Weight		kg	8.0	8.5	8.5	8.5	8.5	8.0	8.5	8.5	8.5	8.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas (Flare)		9.52	9.52	9.52	12.70	12.70	9.52	9.52	9.52	12.70	12.70
Drain Hose Diameter (I.D./O.D.)			13.8/15.8 to16.7					13.8/15.8 to16.7				
EV kit (optional)			–					UTR-EV09XB			UTR-EV14XB	

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

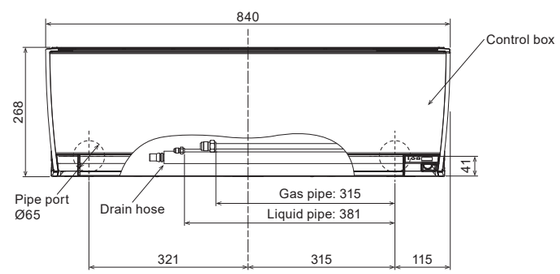
Optional parts

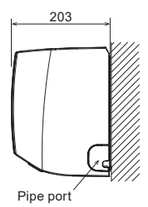
*For more details, please refer to the chapter "Optional parts".

External power supply unit: UTZ-GXXA, UTZ-GXXC*
WLAN adapter: UTY-TFSXZ1, UTY-TFSXJ3, FG-AC-WIF1Z1
Silver Ion Filter: UTR-FA16-5
Remote sensor kit: UTY-XSZXZ1

Dimensions

(Unit: mm)





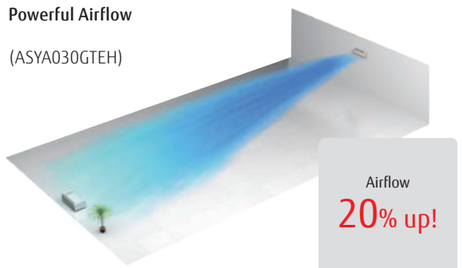
Wall-mounted type

DC FAN

Powerful & Comfort airflow

Powerful Airflow

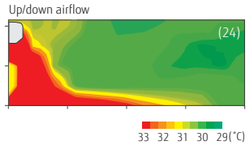
(ASYA030GTEH)



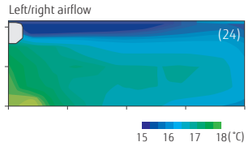
Power diffuser

(ASYA18/24GBCH)

Up/down airflow



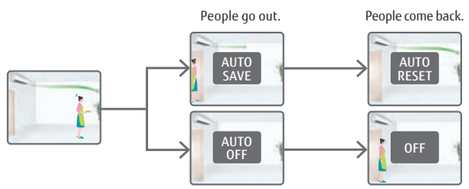
Left/right airflow



The Human sensor contributes to further energy savings. (ASYA030/034GTEH only)

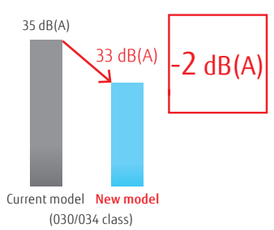
Energy saving operation starts automatically by detecting the motion of a person. Two modes of save operation mode and stop mode can be selected.

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



6-step fan speed control for quiet operation

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



* Remote controller is compatible with the following:
UTY-RNRYZ5 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGYZ3 / UTY-ALGXZ1 / UTY-APGXZ1

Model: ASYA18GBCH / ASYA24GBCH
ASYA030GTEH / ASYA034GTEH

ASYA18/24GBCH

ASYA030/034GTEH

Specifications

Model name			ASYA18GBCH	ASYA24GBCH	ASYA030GTEH	ASYA034GTEH
Power source			Single phase, ~230 V, 50 Hz		Single phase, ~230 V, 50 Hz	
Capacity	Cooling	kW	5.6	7.1	9.0	10.0
	Heating		6.3	8.0	10.0	11.2
Input power		W	32	60	74	103
Airflow rate	High	m^3/h	840	1,100	1,440	1,620/1,520
	Med-High		-	-	1,200	1,300
	Med		770	910	1,050	1,120
	Med-Low		-	-	940	980
	Low		690	730	890	890
	Quiet		-	-	700	700
Sound pressure level	High	dB(A)	41	48	53	55/54
	Med-High		-	-	49	51
	Med		39	43	45	47
	Med-Low		-	-	42	43
	Low		35	35	39	39
	Quiet		-	-	33	33
Net Dimensions (H × W × D)		mm	320 × 998 × 238	320 × 998 × 238	340 × 1,150 × 280	340 × 1,150 × 280
Weight		kg	15	15	18	18
Connection pipe diameter	Liquid (Flare)	mm	6.35	9.52	9.52	9.52
	Gas (Flare)		12.70	15.88	15.88	15.88
Drain Hose Diameter (I.D./O.D.)			12/16		13.8/15.8 to16.7	

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

Optional parts

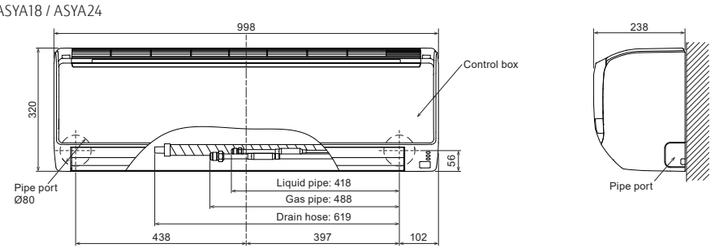
*For more details, please refer to the chapter "Optional parts".

External power supply unit: UTZ-GXXA (030/034), UTZ-GXXC* (030/034)
WLAN adapter: UTY-TFSXJ3 (030/034), UTY-TFSXZ1 (030/034)
FG-RC-WIF1Z2 (18/24), FG-AC-WIF1Z1 (030/034)
Silver Ion Filter: UTR-FA13-3
Remote sensor kit: UTY-XSZXZ1

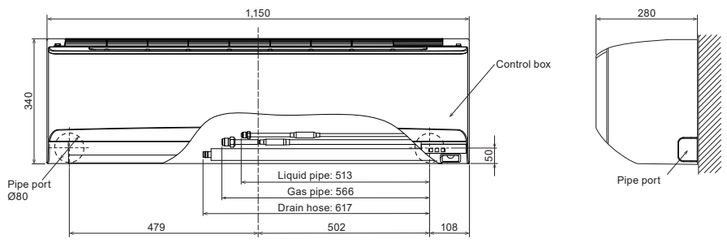
Dimensions

(Unit: mm)

Models: ASYA18 / ASYA24



Models: ASYA030 / ASYA034

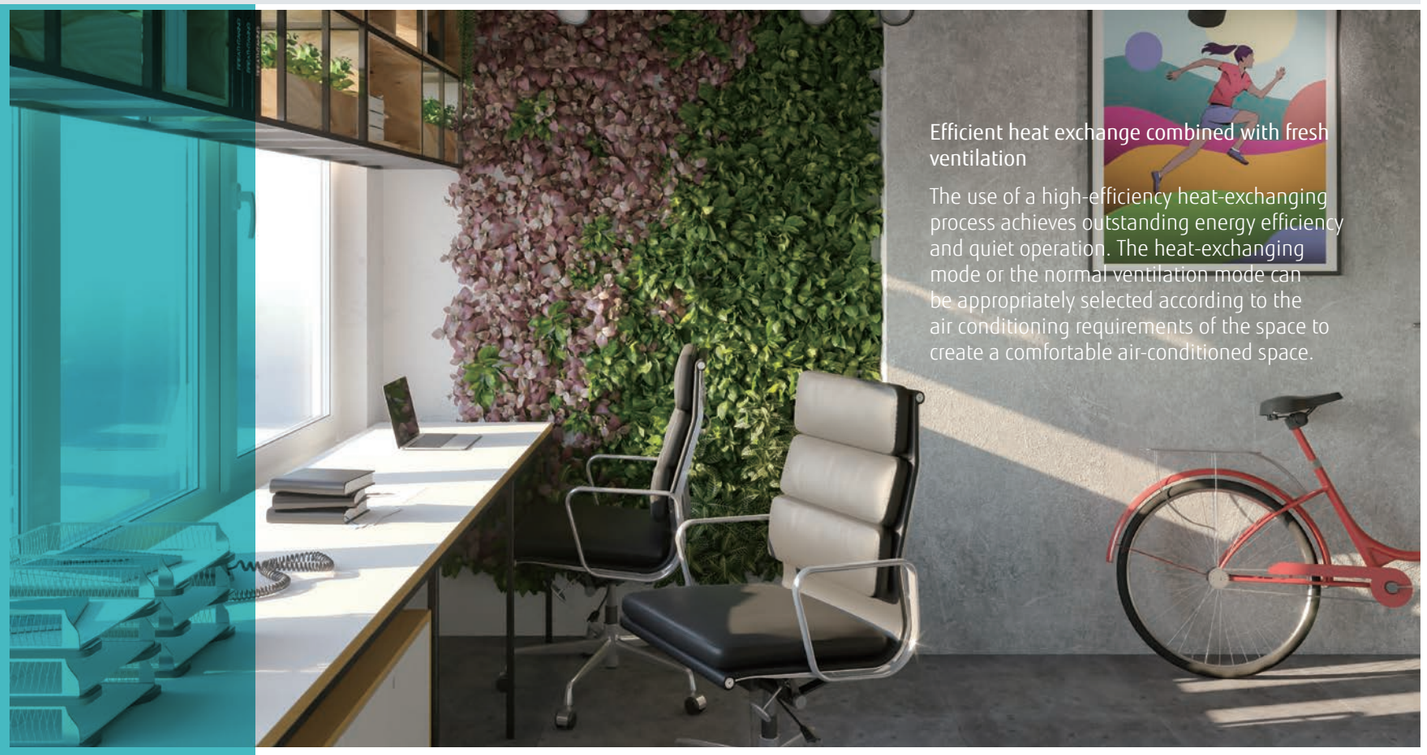


Residential, Commercial & Light Commercial

VENTILATION

VENTILATION Lineup

Vn-002 Energy Recovery Ventilator
Vn-004 DX kit for Air handling applications
• for VRF Outdoor unit
Vn-006 DX kit for Air handling applications
• for Single Split Outdoor Units



Efficient heat exchange combined with fresh ventilation

The use of a high-efficiency heat-exchanging process achieves outstanding energy efficiency and quiet operation. The heat-exchanging mode or the normal ventilation mode can be appropriately selected according to the air conditioning requirements of the space to create a comfortable air-conditioned space.

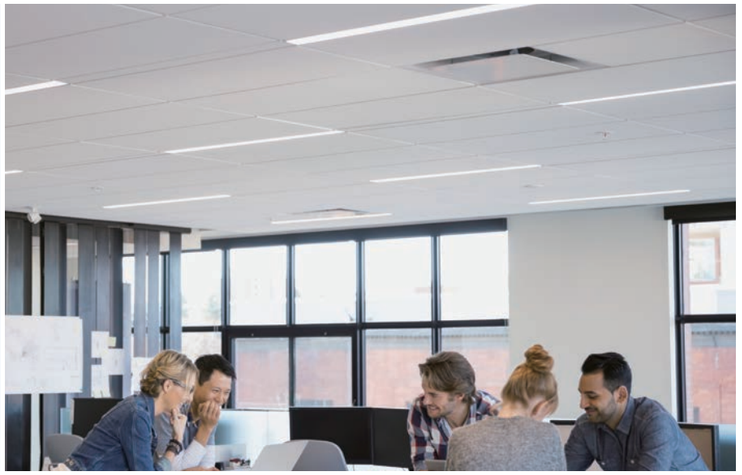
Lineup

Airflow rate (m^3/h)	250	350	500	800	1000
Energy Recovery Ventilator	UTZ-BD025C	UTZ-BD035C	UTZ-BD050C	UTZ-BD080C	UTZ-BD100C

Connectable capacity class (kW)	5.0	6.3	8.0	10.0	12.5	14.0	20.0	25.0	40.0	50.0
DX kit for Air handling applications for VRF Outdoor unit	EEV unit UTP-VX30A		Control unit UTY-VDGX	EEV unit UTP-VX60A		Control unit UTY-VDGX	EEV unit UTP-VX90A	Control unit UTY-VDGX	EEV unit UTP-VX90A × 2	Control unit UTY-VDGX

Connectable capacity class (kW)	2.5 - 22.0
DX kit for Air handling applications for Single Split Outdoor Units	UTY-XDZX

Energy Recovery Ventilator

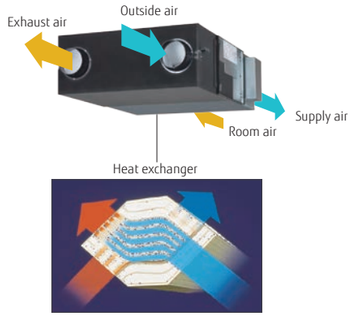


The energy recovery ventilator unit provides energy efficiency for comfort and improved savings.

Heat exchange ventilation and normal ventilation

Heat exchange ventilation
When a room is cooled or heated, the exhausted cooling or heating energy is recovered by heat exchange ventilation.

Normal ventilation
Used when the indoor space does not require cooling or heating, i.e., when there is little temperature difference between the indoor and outdoor environments.



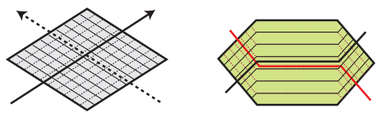
A high-efficiency counter-flow heat-exchanging element is used in the setup.

Energy efficiency and ecology

The use of a counter-flow heat-exchanging element, designed to recover up to 77% of heat from the outgoing air, significantly reduces energy consumption. The air conditioning load is reduced by approximately 20%, which results in substantial savings in energy cost.

Comparison of heat-exchanging elements

Air flows in a straight line through a crossflow element. In contrast, air flows for a longer time (a longer distance) through a counter-flow element to achieve more consistent heat-exchanging performance.



Other element (Cross-flow element)

Fujitsu element (Counter-flow element)

Quiet operation

Significantly lower noise levels are achieved by reducing pressure loss.

25.5dB
(UTZ-BD035C)

Extended range of external static pressure

The use of a powerful fan motor improves the external static pressure. This allows it to be installed in a variety of buildings.

Slim design for easier installation

The use of a counter-flow heat-exchanging element made it possible to design a quieter, slimmer unit.

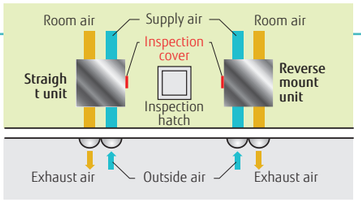
Height 270 mm
UTZ-BD025C

Height 388 mm
UTZ-BD080C/BD100C

Height 317 mm
UTZ-BD035C/BD050C

Reverse-mountable direct air supply and exhaust system

Simplifies the duct design, due to its straight ducts for air supply and exhaust. Since each unit can be mounted facing opposite directions, only one inspection hole is needed for two units. This makes duct work easier and more flexible.

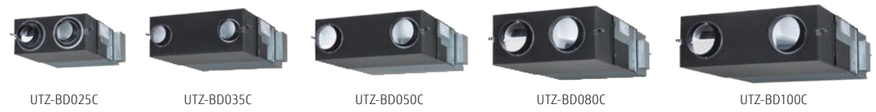


Simple remote operation

Easy operation with connected liquid crystal switch

- Power On/Off
- On/Off Timer
- Air volume High/Low
- Clean filter display
- Heat exchange ventilation and normal ventilation

Model: UTZ-BD025C/UTZ-BD035C/UTZ-BD050C/UTZ-BD080C/UTZ-BD100C



UTZ-BD025C UTZ-BD035C UTZ-BD050C UTZ-BD080C UTZ-BD100C

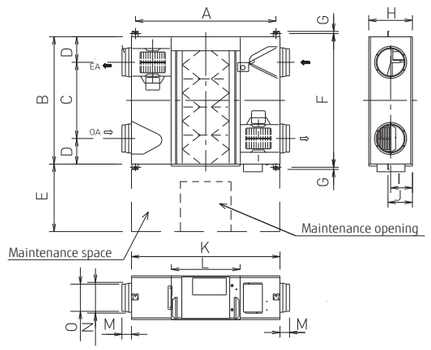
Specifications

Rated flow rate				250 m³/h	350 m³/h	500 m³/h	800 m³/h	1000 m³/h
Model name				UTZ-BD025C	UTZ-BD035C	UTZ-BD050C	UTZ-BD080C	UTZ-BD100C
Power source				Single phase, ~220 to 240 V, 50 Hz				
Heat Exchange Ventilation	Input power	(Extra high)/High/Low	W	128/123/96	190/185/168	289/225/185	418/378/295	464/432/311
	Airflow rate	(Extra high)/High/Low	m³/h	250/25/190	350/350/240	500/500/440	800/800/630	1,000/1,000/700
	External static pressure	(Extra high)/High/Low	Pa	105/95/45	140/60/45	120/60/35	140/110/55	105/80/75
	Temperature exchange efficiency	(Extra high)/High/Low	%	75/75/77	75/75/78	75/75/76	75/75/76	75/75/79
	Energy exchange efficiency cooling	(Extra high)/High/Low	%	63/63/65	66/66/71	62/62/64	65/65/68	65/65/70
	Energy exchange efficiency heat pump	(Extra high)/High/Low	%	70/70/72	69/69/73	67/67/69	71/71/74	71/71/ 76
	Sound pressure level	(Extra high)/High/Low	dB*	31.5/30.5/26.5	33.0/31.0/25.5	37.5/35.5/32.5	37.5/37.0/34.5	38.5/37.5/34.5
Normal Ventilation	Input power	(Extra high)/High/Low	W	128/123/96	190/185/168	289/225/185	418/378/295	464/432/311
	Airflow rate	(Extra high)/High/Low	m³/h	250/25/190	350/350/240	500/500/440	800/800/630	1,000/1,000/700
	External static pressure	(Extra high)/High/Low	Pa	105/95/45	140/60/45	120/60/35	140/110/55	105/80/75
	Sound pressure level	(Extra high)/High/Low	dB*	31.5/30.5/26.5	33.0/31.0/25.5	38.5/38.0/32.5	37.5/37.0/34.5	40.5/39.5/36.5
Dimensions		W × D × H	mm	882 × 599 × 270	1,050 × 804 × 317	1,090 × 904 × 317	1,322 × 884 × 388	1,322 × 1,134 × 388
Weight			kg	29	49	57	71	83
Outlet duct diameter			mm	150	150	200	250	250
Operating range			℃	-10 to 40	-10 to 40	-10 to 40	-10 to 40	-10 to 40
Maximum humidity			%	85	85	85	85	85

* Noise level measured 1.5 m below the center of the unit

Dimensions

(Unit: mm)

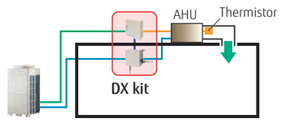


	UTZ-BD025C	UTZ-BD035C	UTZ-BD050C	UTZ-BD080C	UTZ-BD100C
A	810	978	1,018	1,250	1,250
B	599	804	904	884	1,134
C	315	580	640	428	678
D	142	112	132	228	228
E	600	600	600	600	600
F	655	860	960	940	1,190
G	19	19	19	19	19
H	270	317	317	388	388
I	135	159	159	194	194
J	159	182	182	218	218
K	882	1,050	1,090	1,322	1,322
L	414	470	470	612	612
M	95	70	70	85	85
N	Ø164	Ø164	Ø210	Ø258	Ø258
O	Ø144	Ø144	Ø194	Ø242	Ø242

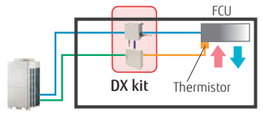
DX kit
for Air handling applications
for VRF Outdoor unit

With these kits, air handling units (AHUs) and fan coil units (FCUs) from other manufacturers can be incorporated into Fujitsu General VRF systems, or one AHU can be connected to one Fujitsu General VRF dedicated outdoor unit to control outdoor ventilation and room temperatures.

Multiple temperature sensors optimally control an Air handling unit and a fan coil unit.

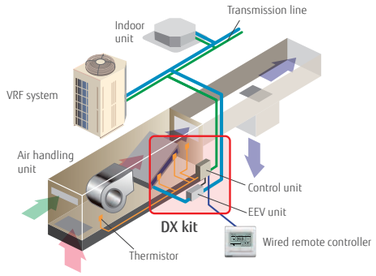


When connected to an Air handling unit, the temperature of supply air is controlled by a discharge air sensor.



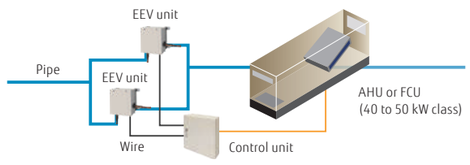
When connected to a fan coil unit, the room temperature is controlled by the discharge air sensor.

Application as part of a VRF system



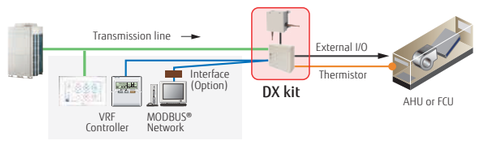
Supports a wide range of capacity classes

- Two EEV units can be connected in parallel to large-capacity units of up to 20 HP (50 kW). (UTP-LX180A separation tube required)
- Connectable capacity range: 5 kW to 50 kW

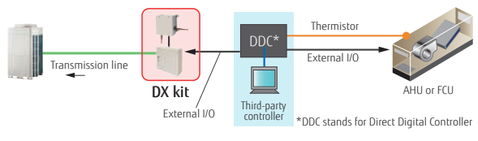


A variety of control options that meet application requirements

Central control enabled by our VRF controllers or central management controllers



Central control from external controllers



Summary of functions

Inputs

- On/Off
- Setting temperature
- Capacity demand
- Heating/Cooling operation modes
- Fault information

Outputs

- On/Off indication
- Fan On/Off indication
- Thermostat On/Off indication
- Defrost indication
- Fault indication

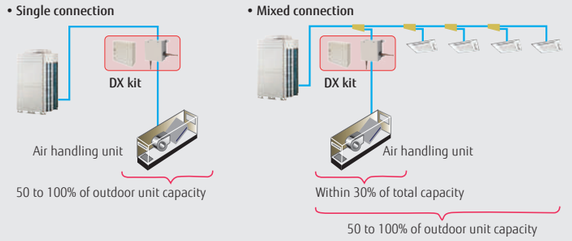
MODBUS® Control

Can be controlled via a MODBUS®-enabled BMS using an optional interface.

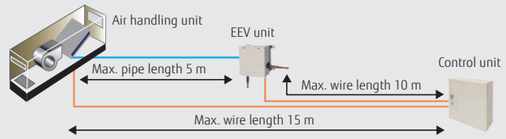
Installation requirements

- Connectable VRF Series: All VRF Series
- Capacity range of connectable DX kit systems with outdoor units: 50 to 100% of capacity
- Capacity range of connectable DX kit systems with indoor units: 30% or less of capacity
- Max. wire length from a control unit: 10 m
- Max. pipe length between EEV unit and indoor unit: 5 m
- A control unit (IP54 class) and an EEV unit can be installed outdoors.

Connectable capacity

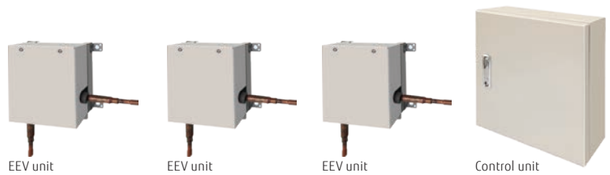


Pipe and wire length



Optional separation tube to connect two EEV units: UTP-LX180A

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



Specifications

Connectable capacity class			5.0 kW	6.3 kW	8.0 kW	10.0 kW	12.5 kW	14.0 kW	20.0 kW	25.0 kW	40.0 kW	50.0 kW
Capacity	Cooling	kW	5.6	6.3	8.0	10.0	12.5	14.0	22.4	25.0	40.0	50.4
	Heating		6.3	7.1	9.0	11.2	14.0	16.0	25.0	28.0	45.0	56.5

Control unit		UTY-VDGX
Power source	V/Ø/Hz	230/1/50
Dimensions (H × W × D)	mm	400 × 400 × 120

EEV unit		UTP-VX30A	UTP-VX60A	UTP-VX90A	UTP-VX90A × 2
Connection pipe diameter (Liquid)	mm	Ø9.53	Ø12.70	Ø12.70	Ø12.70
Dimensions (H × W × D)		160 × 220 × 90			

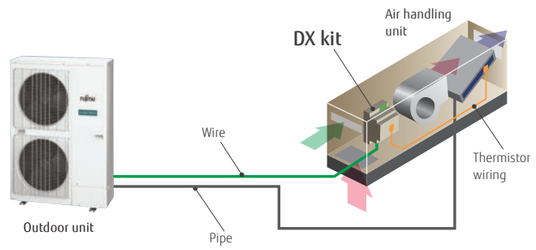
Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 7.5 m Voltage: 230 [V].

DX kit
for Air handling applications
for Single Split Outdoor Units

With this kit, other manufacturers' Air handling units (AHUs) and fan coil units (FCUs) can be incorporated into Fujitsu General Split outdoor units.

Flexible connectivity

This kit allows connections to third-party equipment. This control unit can also be used in conjunction with Fujitsu General single-split outdoor units, providing a perfect solution when a stand-alone Air handling unit is needed.

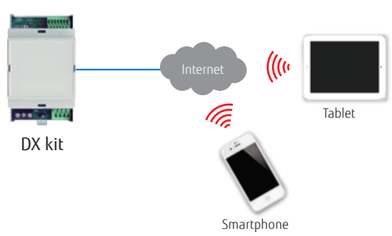


Supports a wide range of capacity classes

Capable of connecting large capacities in the range of 2.5 kW to 22.0 kW (Nominal)

Mobile devices allow for operation from anywhere

Can be operated and managed remotely using your smartphone or tablet.



Summary of functions

Inputs

- On/Off
- Heating/Cooling operation modes
- Capacity demand (analogue 0 to 10 V)
- Heat exchanger temperature

Outputs

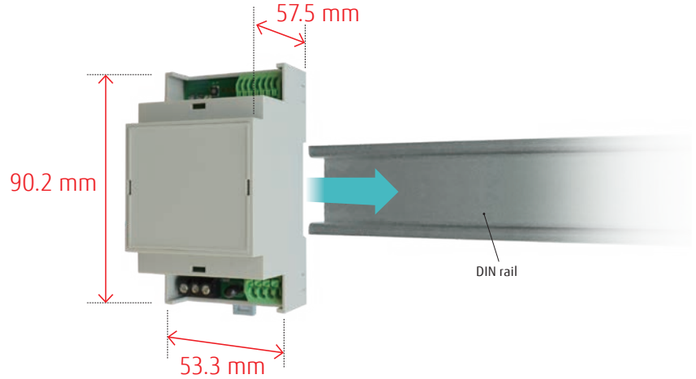
- Status of Compressor, Defrost, and Errors (Potential free relays)
- Status indicator with LED

Wireless LAN Control

Wireless LAN control through cloud connectivity enables secure remote monitoring and control from anywhere.

Easy installation

- Compact DIN rail mountable enclosure for easy installation
- No expansion devise required
- No separate external power supply required



Model: UTY-XDZX

Specifications

R410A models

BTU			12	14	18	24	30	36	45	54	60	72	90
Capacity (Nominal)	Cooling	kW	3.5	4.3	5.2	6.8	8.5	9.4	12.1	13.3	15.0	19.0	22.0
	Heating		4.1	5.0	6.0	7.8	10.0	10.8	13.3	15.8	18.0	22.4	27.0

R32 models

BTU			09	12	14	18	22	24	30	36	45	54
Capacity (Nominal)	Cooling	kW	2.5	3.5	4.3	5.2	6.0	6.8	8.5	9.4	12.1	13.3
	Heating		3.2	4.1	5.0	6.0	7.0	7.5	10.0	10.8	13.3	15.8

Model name		UTY-XDZX
Power source	V/Ø/Hz	230/1/50
Dimensions (H × W × D)	mm	90.2 × 53.3 × 57.5
Weight	g	110

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.
Pipe length: 5.0 m Voltage: 230 [V].

Light Commercial & Commercial, Residential

CONTROL SYSTEM & OPTIONAL PARTS

C-002 Control System Overview
C-006 Best control solution for each building structure
C-008 Comparison table of controllers
C-050 Controller System List
C-058 Optional Parts Overview
C-066 Optional parts list
C-070 Function list

A wide product lineup to meet a variety of needs

We can flexibly meet customer needs through a variety of offerings including wired and wireless individual remote controllers, central remote controllers that simultaneously control multiple indoor units, and a variety of converters that link with other systems.

CONTROL SYSTEM

INDIVIDUAL CONTROL

C-010 Wired remote controller (Design type)
C-012 Wired remote controller (with touch panel)
C-014 Wired remote controller / Compact wired remote controller
C-015 Wired remote controller
C-016 Simple remote controller
C-017 Wireless remote controller
C-018 IR receiver unit

CONVERTERS/ADAPTERS

C-020 WLAN adapter
C-024 Multiple protocol WLAN adapter

CENTRALIZED CONTROL

C-025 Home central remote controller
C-026 Central remote controller
C-028 Touch panel controller
C-032 System controller Software / System controller lite Software

CONVERTERS/ADAPTERS

C-036 MODBUS® converter for indoor unit
C-037 MODBUS® interface
C-038 MODBUS® converter for VRF
C-039 BACnet® interface
C-040 BACnet® gateway Software
C-041 BACnet® gateway Hardware
C-042 BACnet®/MODBUS® router
C-043 BACnet®/MODBUS® cloud device
C-044 KNX® converter for indoor unit / KNX® converter for VRF
C-045 KNX® interface
C-046 Network converter for single-split type
C-047 Network converter for LONWORKS™
C-048 External switch controller / Signal amplifier

Optional parts

C-060 Silver ion filter
C-061 Auto louver grille kit
C-062 Pressure sensor kit
C-063 External power supply unit
AIR BEAM radiation air outlet unit
C-064 Gas sensor kit
C-074 Separation tube and other piping products

SPLIT
MULTI-SPLIT
VRF J Series
VRF V Series

Control System Overview

for Split & Multi-split

All indoor units* are equipped with a wireless or wired remote controller as standard. Additional options are available, such as individual remote controllers and central remote controllers. The easy-to-operate central remote controller makes it simple to control the operation mode, temperature, airflow volume, timer, and other functions of each indoor unit from a single location.

* Except for some products

Air Conditioning
Individual control

NEW

Wired remote controller

A built-in thermo sensor monitors and controls room temperature accurately.

Wireless remote controller

Simple and versatile operations with a choice of 4 different types of timers

Simple remote controller

Compact remote controller with basic functionality

For Ceiling type

For Duct type

For Cassette type

IR receiver unit

This IR receiver unit enables a wireless remote controller to control a duct-type indoor unit.

Air Conditioning
Centralized control

Home central remote controller for 5 & 6-unit Multi-split type

Enables individual and central control.

Converters/Adapters

For external control via BMS/Home Automation Systems

MODBUS® converter
for indoor units
UTY-VMSX

MODBUS® interface
for indoor units

KNX® converter
for indoor units
UTY-VKSX

KNX® interface
for indoor units

WLAN adapter

Network converter

DC power supply type
UTY-VTGX

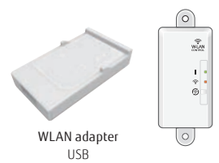
AC power supply type
UTY-VTGXV

Online Control (Wireless Control via Smartphone/Tablet)

With the WLAN adapter and the AIRSTAGE Mobile app, you can control the heating and cooling of your home anytime, anywhere.

WLAN adapter

The dedicated WLAN adapter enables the air conditioner to be operated by smartphone or tablet computer.

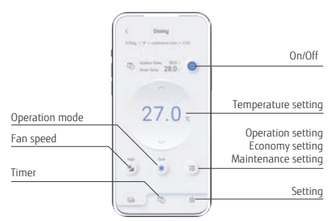


WLAN adapter
USB

AIRSTAGE Mobile
Download Free
App Store
Google play

Simple, user-friendly interface design

The designed screen display makes it easier than ever to operate.



Control System Overview

for VRF

To meet the diverse needs of customers, we offer a variety of control options for our VRF systems, such as individual control, centralized control, and building management system (BMS) options.

Air Conditioning
Individual control

NEW

Wired remote controller
(Design type)
UTY-RVRY

Wired remote controller
(with touch panel)
UTY-RNRYZ5

Wired remote controller
UTY-RLRY

Compact wired remote controller
UTY-RCRYZ1

Simple remote controller
UTY-RSRY
UTY-RHRY
Without operation mode

NEW

Wireless Remote Controller
UTY-LNVY
UTY-LNHY

For Duct type

For One-way flow cassette Series/ 3D-flow cassette Series/duct type

for Circular flow cassette Series

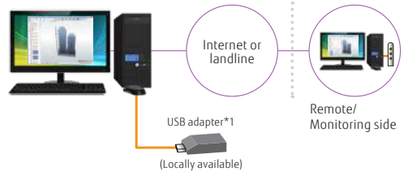
IR receiver unit

UTB-YWC for duct type

UTY-TRHX
for One-way flow cassette Series
3D flow cassette Series/duct type

UTY-LBHXD
for Circular flow cassette Series

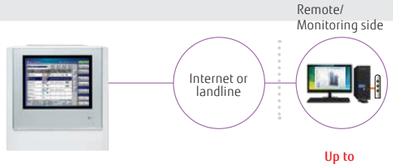
Air Conditioning
Centralized control



System controller Software
UTY-APGXZ1/UTY-ALGXZ1 (Lite version)

Up to **1600**[*2] Indoor units

*1: Echelon® U10 USB Network Interface
*2: The Lite version controls up to 400 indoor units.



Touch panel controller
UTY-DTGYZ1

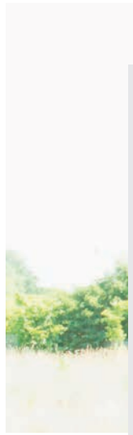
Up to **400** Indoor units

NEW

Central remote controller
UTY-DCGYZ3

Up to **100** Indoor units

Converters/Adapters
For external control via BMS/Home Automation Systems



BACnet® gateway
UTY-ABGXZ1 Software

VTY-VBGX Hardware

BACnet® interface
for Indoor units
FG-IR-BMG1Z1

Network converter
(For LONWORKS™)
UTY-VLGX

MODBUS® converter
for Indoor units
UTY-VMSX

for VRF
UTY-VMGX

KNX® converter
for Indoor units
UTY-VKSX

for VRF
UTY-VKGX

WLAN adapter
UTY-TFSXJ3 / UTY-TFSXZ1

External switch controller
UTY-TERX

Card-key
(Locally available)

Internet device

BMS/BAS[*3]

BMS, Home automation system[*3]

or

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

Converters/Adapters
for system expansion

Network converter
DC power supply type
UTY-VTGX

Network converter
AC power supply type
UTY-VTGXV

Signal amplifier
UTY-VSGXZ1

Best control solution for each building structure

Fujitsu General provides the best control solutions suitable for various building structures.

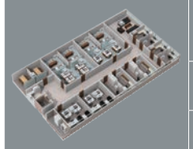
SHOP

Type	Individual control	Centralized control			Integrating control (Interface)		
	Wired remote controller	Central remote controller	Touch panel controller	System controller	Network converter for LonWorks™	MODBUS® Converter	KNX® converter
	UTY-RVRY UTY-RNRYZ5 UTY-RLRY UTY-RVNYM UTY-RCRYZ1	UTY-DCGYZ3	UTY-DTGYZ1	UTY-APGXZ1 UTY-ALGXZ1	UTY-VLGX	UTY-VMGX	UTY-VKGX
Automatic control of air conditioning (Schedule timer, Weekly timer, etc.)	●	●	●	●			
Controls limited to staff: Remote controller prohibition, Setting temperature range limitation, etc.		●	●	●	●	●	●
Group control		●	●	●			
Advanced energy saving: Peak cut, Operation of indoor unit rotation, etc.				●			
Remote monitoring management		●	●	●			
Manage multiple sites		●	●	●			
Monitor energy consumption				●			
Control third-party products				●			
Integrate Fujitsu General air conditioning into BMS					●	●	●

HOTEL

Type	Individual control			Centralized control			Integrating control (Interface)				
	Wired remote controller	Simple remote controller	Wireless remote controller	Central remote controller	Touch panel controller	System controller	BACnet® gateway	Network converter for LonWorks™	MODBUS® converter	KNX® converter	External switch controller
	UTY-RVRY UTY-RNRYZ5 UTY-RLRY UTY-RCRYZ1	UTY-RSRY UTY-RHRY	UTY-LNVY UTY-LNHY UTY-LNTY	UTY-DCGYZ3	UTY-DTGYZ1	UTY-APGXZ1 UTY-ALGXZ1	UTY-ABGXZ1 UTY-VBGX	UTY-VLGX	UTY-VMGX	UTY-VKGX	UTY-TERX
Local control for hotel guests	●	●	●								
Centralized air conditioning control for common areas				●	●	●	●	●	●	●	
Limited control for hotel guests				●	●	●	●	●	●	●	
Remote monitoring management				●	●	●					
Advanced energy saving: Peak cut, Operation of indoor unit rotation, etc.						●	●				
Monitor energy consumption						●					
Control third-party products						●					
Integrate Fujitsu General air conditioning into BMS							●	●	●	●	
Interlock with window contact											●
Interlock with key card											●

OFFICE

Type	Individual control			Centralized control			Integrating control (Interface)				
											
	Wired remote controller	Simple remote controller	Wireless remote controller	Central remote controller	Touch panel controller	System controller	BACnet® gateway	Network converter for LonWorks™	MODBUS® converter	KNX® converter	External switch controller
	UTY-RVRY UTY-RNRYZ5 UTY-RLRY UTY-RCRYZ1	UTY-RSRY UTY-RHRY	UTY-LNVY UTY-LNHY UTY-LNTY	UTY-DCGYZ3	UTY-DTGYZ1	UTY-APGXZ1 UTY-ALGXZ1	UTY-ABGXZ1 UTY-VBGX	UTY-VLGX	UTY-VMGX	UTY-VKGX	UTY-TERX
Local control for office staff	●	●	●	●							
Automatic control of air conditioning (Schedule timer, Weekly timer, etc.)	●		●	●	●	●	●				
Centralized air conditioning control for management				●	●	●	●	●	●	●	
Controls limited to staff: Remote controller prohibition, Setting temperature range limitation, etc.				●	●	●	●	●	●	●	
Advanced energy saving: Peak cut, Operation of indoor unit rotation, etc.						●	●				
Remote monitoring management				●	●	●					
Electricity charge apportionment					●	●	●				
Monitor energy consumption						●					
Control third-party products						●					
Integrate Fujitsu General air conditioning into BMS							●	●	●	●	
Interlock with door contact											●
Interlock with Human sensor for meeting room				●							●

Comparison table of controllers

Item																
			Wired remote controller (Design type)	Wired remote controller (with touch panel)	Wired remote controller	Wired remote controller	Compact wired remote controller	Simple Remote Controller		Simple remote controller*1	Wireless remote controller	Wireless remote controller	Wireless remote controller	Home central remote controller (for 5/6-unit multi -split type)	Central remote controller	Touch panel controller	System controller Lite Software	System controller Software
Model name			UTY-RVRY	UTY-RNRYZ5	UTY-RLRY	UTY-RVNYM	UTY-RCRYZ1	UTY-RSRY		UTY-RHRY	UTY-LNTY	UTY-LNVY	UTY-LNHY	UTY-DMMYM	UTY-DCGYZ3	UTY-DTGYZ1	UTY-ALGXZ1	UTY-APGXZ1
Maximum number of controllable remote controller groups			1	1	1	1	1	1		1	1	1	1	1	100	400	400	1600
Maximum number of controllable indoor units			16	16	16	16	1	16		16	16	16	16	8	100	400	400	1600
Maximum number of controllable groups			–	–	–	–	–	–		–	–	–	–	–	50	400	400	1600
Air conditioning control functions	ON/OFF		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
	Operation mode setting		●	●	●	●	●	●		–	●	●	●	●	●	●	●	●
	Fan speed control		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
	Room temperature setting		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
	Setting temperature range limitation		●	●	●	●	–	●		●	–	–	–	–	●	●	●	●
	Test operation		●	●	●	●	●	●		●	●	●	●	–	●	●	–	–
	Vertical louver setting		●	●	●	●	●	●		●	●	●	●	–	●	●	●	●
	Horizontal louver setting		●	●	●	●	●	–		–	–	●	●	–	●	●	●	●
	Individual louver control		●	●	–	–	●	–		–	–	–	–	–	●	●*3	–	–
	Group setting		–	–	–	–	–	–		–	–	–	–	–	●	●	●	●
	Remote controller prohibition		–	–	–	–	–	–		–	–	–	–	●	●	●	●	●
	Anti-freeze setting		●	●	–	–	●	–		–	–	–	–	–	●	●	●	●
	Set temperature auto return		●	●	●	●	–	–		–	–	–	–	–	–	●	–	–
	Economy mode setting		●	●	●	●	●	–		–	●	●	●	●	●	●	●	●
	Human sensor control		●	●	–	–	–	–		–	–	–	–	●	●	●	●	●
Displayed items	Error		●	●	●	●	●	●		●	–	–	–	●	●	●	●	●
	Defrosting		●	●	●	●	●	●		●	–	–	–	–	●	●	●	●
	Current time		●	●	●	●	–	–		–	●	●	●	●	●	●	●	●
	Day of week		●	●	●	●	–	–		–	–	–	–	–	●	●	●	●
	Remote controller prohibition		●	●	●	●	●	●		●	–	–	–	●	●	●	●	●
	Address display		●	●	●	●	●	●		●	–	–	–	–	–	●	●	●
	Room temperature		●	●	–	●	●	●		●	–	–	–	–	●*4	●*4	●*4	●*4
	Multiple language support		●	●	–	●	–	–		–	–	–	–	●	●	●	●	●
	Setting for daylight saving time		●	●	–	●	–	–		–	–	–	–	●	●	●	●	●
	Name registration		●	●	–	–	–	–		–	–	–	–	–	●	●	●	●
	Backlighting		●	●	–	●	●	●		●	–	●	–	●	●	●	–	–
	2D floor layout/3D building display		–	–	–	–	–	–		–	–	–	–	–	–	–	–	●
	Refrigerant leak detector		–	–	–	–	–	–		–	–	–	–	–	●	●	●	●
	Refrigerant Cycle Monitor		●	●	–	–	–	–		–	–	–	–	–	–	–	–	–
	Logo Display		●	–	–	–	–	–		–	–	–	–	–	–	–	–	–
	Limited Visibility of Settings		●	–	–	–	–	–		–	–	–	–	–	–	–	–	–
Timer	Schedule timer	Period	Week	Week	Week	Week	–	–		–	–	–	–	Week	Year	Year	Year	Year
		ON/OFF, Temp, Low noise mode*5, Times per day	8	8	4	8	–	–		–	–	–	–	4	20	20	144	144
	ON/OFF timer		–	●	●	●	●(OFF only)	–		–	●	●	●	–	–	–	–	–
	Sleep timer		–	–	–	–	–	–		–	●	●	●	–	–	–	–	–
	Program timer		–	–	–	–	–	–		–	●	●	●	–	●	–	–	–
	Auto-off timer		●	●	●	●	–	–		–	–	–	–	–	●	●	–	–
	Day off		●	●	●	●	–	–		–	–	–	–	●	●	●	●	●
	Minimum unit of timer setting (minutes)		1 • 10	10 • 30	30	30	–	–		–	5	5	5	5	10	10	10	10
Control	Remote monitoring management system		–	–	–	–	–	–		–	–	–	–	–	●	●	●	●
	Electricity charge apportionment		–	–	–	–	–	–		–	–	–	–	–	–	○	○	●
	Error history		●	●	●	●	–	–		–	–	–	–	–	●	●	●	●
	Emergency stop		–	–	–	–	–	–		–	–	–	–	–	●*2	●*2	–	–
	Remote monitoring management		–	–	–	–	–	–		–	–	–	–	–	●	●	○	●
	Energy-saving management		–	–	–	–	–	–		–	–	–	–	–	–	–	○	○
	E-mail notification in case of failure		–	–	–	–	–	–		–	–	–	–	–	●	●	●	●
	Key lock		● Child lock	● Child lock	● Child lock	● Child lock	–	–		–	–	–	–	● Child lock	● Password setting	● Password setting	● Password setting	● Password setting
	Low noise mode		–	–	–	–	–	–		–	–	–	–	●	●	●	●	●

*1 "Operation mode" setting not available.
*2 Available only for external input control.
*3 Monitoring sites can be set up.
The main unit side can only be operated to cancel the settings.
*4 Available only when using Wired remote controller.
*5 UTY-DCGYZ3 only

●: Supported ○: Optional function –: Unsupported

Wired remote controller (Design type)

UTY-RVRY

NEW

Up to
16 indoor units
Up to
1 group

FEATURED FINALIST 2023

GOOD DESIGN AWARD 2022

Simple and stylish design that harmonizes with the space

- The new stylish design controller, UTY-RVRY, enables intuitive operation with touch screen. It is compatible with many 2-wired indoor units.

Harmonizes with the Installation Space

When not in use, the controller is a part of the interior décor.
This is achieved by using mirrors, glass, and clear panels, and it appears to be one with the wall.
The sleek and stylish design won the 2022 Good Design Award and was selected as a finalist for the 2023 IDEA award.

Intuitive operation

The touch screen is easily operated by swiping vertically and horizontally, and users can operate the controller without using manuals.

Temp. Setting

Operation Mode

Status LED Colors

When not in use, the operation mode is indicated through LED lamp colors shown under the controller.
The LED lamp can be switched ON and OFF to avoid glare at night.

Blue: Cooling | Red: Heating

Green: Dry | Purple: Auto

Features: Wired Remote Controller (Design type)

Refrigerant cycle monitor

The controller will display specific sensor values of outdoor and indoor units for maintenance and service support.

* Display screen example
* This function is only supported by split units, using the H-Serial communication protocol! Example: ASYH30KMTB

Logo Display

The controller can display hotel logos when not in use. Images are sent via Bluetooth® connection where data is saved in the flash memory built into each controller.

* Color display available

AIRSTAGE Remo Set application (free download)

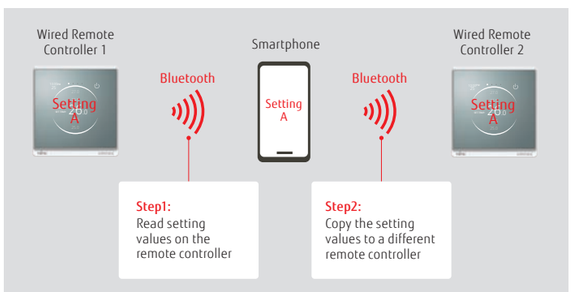
Set up your new Wired Remote Controller via Bluetooth from your smartphone (or directly at the controller).

Features:
- Initial configuration
- Function setting
- Custom logo import
- Copy settings between controllers

For iOS | For Android

Initial Settings / Indoor Unit Function

The initial controller settings and indoor unit function settings can be sent from a smartphone by pairing with the controller via Bluetooth. It also can read the setting values of a paired controller, and send a copy of them to one or more additional controllers, significantly reducing installation time.



*Smartphone : Wired Remote Controller = 1 : 1

Specifications

Model name	UTY-RVRY
Power Source	DC12V
Dimensions (H × W × D) (mm)	121.5 × 116 × 26
Weight (g)	225

Wired remote controller (with touch panel)

UTY-RNRYZ5

Up to
16 indoor units
Up to
1 group

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

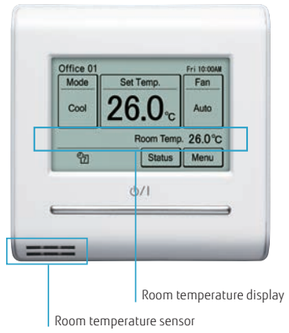
- Touch screen LCD
- Built-in daily/weekly timer (ON/OFF, temperature, modes)
- Backlit screen for easy operation in the dark.
- Room temperature display
- Controls up to 16 indoor units
- Supports 12 languages: Chinese, Dutch, English, French, German, Greek, Italian, Polish, Portuguese, Russian, Spanish,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

High performance and compact size

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

Accurate control for comfort

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



Energy saving controls

Custom Auto

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

* Not available for some models

Auto-off timer

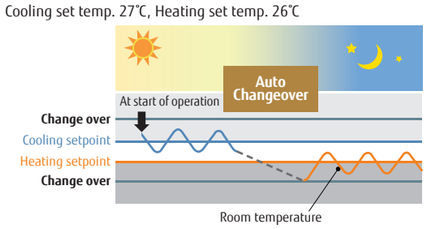
- While the Auto-off timer is activated, if the set off time is specified as, for example, one hour, the power will automatically turn off one hour after the start of operation.
- A desired time frame can be specified for the Auto-off timer.
- The off-time can be set from 30 to 240 minutes.

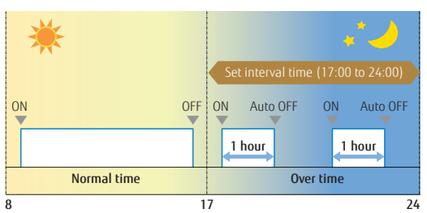
2-setting weekly timer

Set temperature auto return

Setting temperature range limitation

Cooling set temp. 27℃, Heating set temp. 26℃





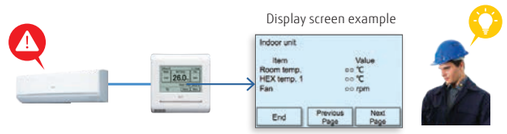
e.g.) Between 17:00 and 24:00 (over time hours), when the 1 hour set off time has elapsed, the system will automatically turn off the indoor unit as it

Features: Wired Remote Controller (Touch Panel)

Refrigerant cycle monitor (Option)

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

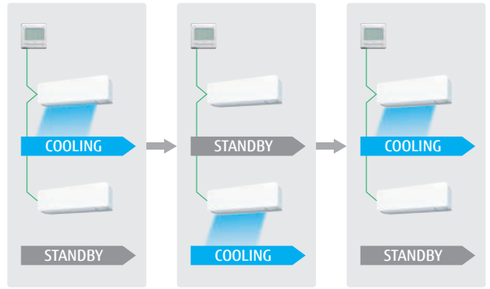
* This function is only supported by split units, using the H-Serial communication protocol! Example: ASYH30KMTB



Multi System Control*1

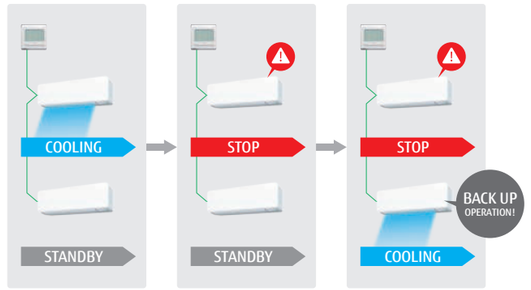
1) Lead Lag Operation

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



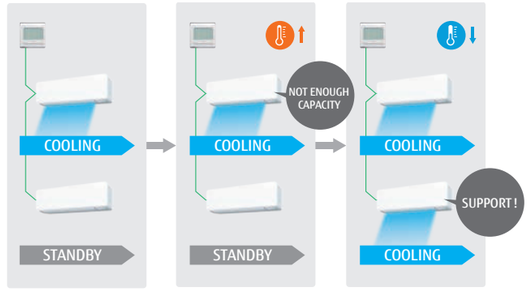
2) Back up operation

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



3) Lag Operation

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



*1: "Lead Lag Setting" is an easy-to-use function for room temperature control when using multiple indoor units, while reducing the burden placed on each indoor unit.
If you wish to make use of this function, ensure you use indoor units equipped with a "Special Cooling" function.
For Split products with "Special Cooling" function, refer to S-068 to S-071.
If you use indoor units that do not have a "Special Cooling" function, under certain conditions, there is a chance that "Backup operation" may not operate correctly, and the "Lead Lag Setting" function will not give the expected results.
Additionally, for rooms that require strict conditions, such as server rooms, please consider other appropriate measures.
Please note that we will not provide compensation for any damages suffered to your appliances or data as a result of using this function.
For more details, please confirm with your nearest retail store.

Specifications

Model name	UTY-RNRYZ5
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 20.4
Weight (g)	220

DC 12 V is supplied by the indoor unit.

Wired remote controller

UTY-RLRY

- ON/OFF/Weekly timer settings
- A built-in thermo sensor monitors and controls room temperature accurately.
- When something goes wrong, an error code is displayed.
- 16 error codes from the most recent one will be kept in the history. (Last 16 error codes can be accessed)
- Nonpolar 2-core type

Up to
16 indoor units
Up to
1 group

High performance and compact size

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

Individual control + Thermo sensor + Weekly timer + Auto off timer →

Visually intuitive operation

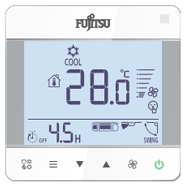
- The operation mode, set temperature, and fan speed are shown prominently on the top screen.
- Each function to be set is indicated by an icon.
- The control guide makes it simple and straightforward to operate a remote controller.

Settings can be displayed more clearly on a large LCD.

Sophisticated control buttons
Simple operation with easy 4-way navigation pad

Compact wired remote controller

UTY-RCRYZ1

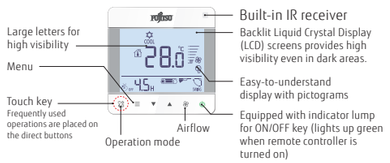


- Simple design that matches stylish interiors
- The body of the controller, which is easy to install, is designed to conform to the European standard junction box.
- Can be operated both by wireless and wired remote controller.
- Nonpolar 2-core type

Up to
1 indoor units
Up to
1 group

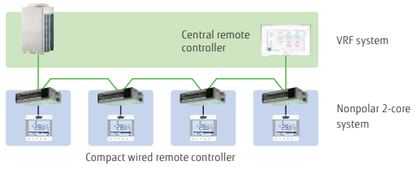
Large screen and simple display

- Large screen but compact size
- Large, easy-to-read letters are used.
- The controls are simple and easy to understand.

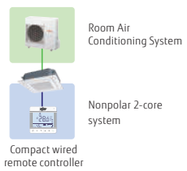


System overview

VRF connection



RAC connection



Specifications

Model name	UTY-RLRY	UTY-RCRYZ1
Power source	12 V DC	12 V DC
Dimensions (H × W × D) (mm)	120 × 120 × 17	86 × 86 × 44
Weight (g)	170	135

12 V DC supplied by an indoor unit

Wired remote controller

UTY-RVNYM

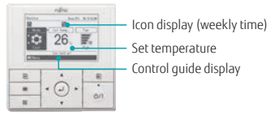
Hi-grade individual control with a wide range of functions.

- 3.7-inch backlit LCD screen.
- Supports energy-saving functions with simple operation.
- Supports 9 languages:
  English, French, German, Greek, Italian, Portuguese, Russian, Spanish, and Turkish

Up to
16 indoor units
Up to
1 group

Visually intuitive operation

- Each function is displayed as an icon.
- Main functions are indicated by large icons: "Mode," "Set Temp," and "Fan"
- Easy operation with control guide display
- Simple operation with easy 4-way navigation pad



High performance and compact size

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

Individual control + Thermo sensor + Weekly timer + Auto-off timer →

Wired remote controller

UTY-RNNYM

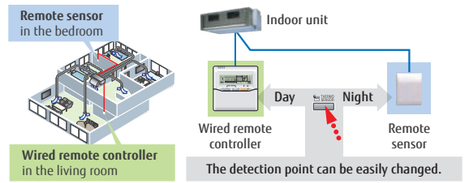
- Simple operation with Built-in Weekly/Daily Timer.
- Control up to 16 indoor units.
- Up to 2 Wired remote controllers can be connected to a single indoor unit.

Up to
16 indoor units
Up to
1 group

Accurate control for comfort

A thermo sensor built into the remote controller monitors room temperature accurately. The wired remote controller and an optional Remote sensor can be installed in any location to meet any requirement.

Examples of sensor changes



The temperature displayed is the set temperature.

Built-in timer

Weekly timer: ON/OFF time can be set to operate twice for each day of the week.
Temperature setback timer: Sets the time to change the temperature setting and the time to hold the setting for each day of the week.
At "Weekly timer" + "Temperature setback timer" setup

Specifications

Model name	UTY-RVNYM	UTY-RNNYM
Power source	12 V DC	12 V DC
Dimensions (H × W × D) (mm)	120 × 120 × 21.3	120 × 120 × 18
Weight (g)	220	160

12 V DC supplied by an indoor unit

Simple remote controller

UTY-RSRY / UTY-RHRY (without operation mode)

UTY-RSRY

UTY-RHRY (Without operation mode)

Up to
16 indoor units
Up to
1 group

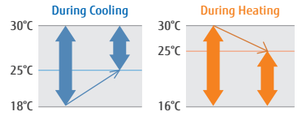
Compact remote controller with basic functionality

- Up to 16 indoor units can be controlled with one remote controller.
- Suitable for hotels or offices as it is easily operated with no complex functions.
- Simple design that matches stylish interiors
- Large LCD screen and easy-to-use control buttons
- Backlight: White backlight makes it easy to operate in the dark.
- Nonpolar 2-core type

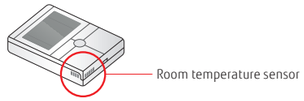
Supports a variety of applications

- **Vertical louver control:** Adjusts the vertical airflow direction of a duct-type indoor unit with an auto louver or a cassette type installed in a hotel room or a conference room.

- **Setting temperature range limitation:** Enables an indoor unit to operate in an energy-saving manner in a small building not equipped with a central remote controller.



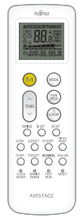
- **Built-in room temperature sensor:** Monitors and controls room temperature accuracy.



Wireless remote controller

UTY-LNVY

NEW



Up to
16 indoor units
Up to
1 group
Up to
4 different daily timers

New stylish design with backlight

- It has adopted a new simple and stylish design.
- The built-in backlight allows the screen to be seen even in dark rooms.

Built-in timer

4 timer programs: ON/OFF/Program/Sleep
Program timer: Sets ON/OFF time once for every 24 hours.
Sleep timer: Adjusts the set temperature automatically while the sleep timer is on.

Error diagnosis

It can detect the reason for system errors easily.
When an error is detected, the error code number can be checked using the remote controller display.

Precise control

The setting temperature can be adjusted precisely depending on the environment as the controller can set the temperature via 0.5 °C*.

*Depends on the indoor unit

Wireless remote controller

UTY-LNTY

Up to
16 indoor units
Up to
1 group
Up to
4 different daily timers

Simple and versatile operations with a choice of 4 different types of timers

- Controls up to 16 indoor units.

Built-in timer

4 timer programs: ON/OFF/Program/Sleep
Program timer: Sets ON/OFF time once for every 24 hours.
Sleep timer: Adjusts the set temperature automatically while the sleep timer is on.

Easy installation and operation

Different codes can be assigned to up to 4 indoor units to prevent a mix-up.
Wide and precise transmitting range

Specifications

Model name	UTY-RSRY	UTY-RHRY	UTY-LNTY
Power source	12 V DC	12 V DC	3.0V (1.5V R03/LR03/AAA x 2)
Dimensions (H × W × D) (mm)	120 × 75 × 19.4	120 × 75 × 19.4	205 × 61 × 17
Weight (g)	120	120	125

12 V DC supplied by an indoor unit

Wireless remote controller

UTY-LNHY

Up to
16 indoor units
Up to
1 group
Up to
4 different daily timers

Simple and versatile operations with a choice of 4 different types of timers

- Controls up to 16 indoor units.

Built-in timer

4 timer programs: ON/OFF/Program/Sleep
Program timer: Sets ON/OFF time once for every 24 hours.
Sleep timer: Adjusts the set temperature automatically while the sleep timer is on.

Easy installation and operation

Different codes can be assigned to up to 4 indoor units to prevent a mix-up.
Wide and precise transmitting range

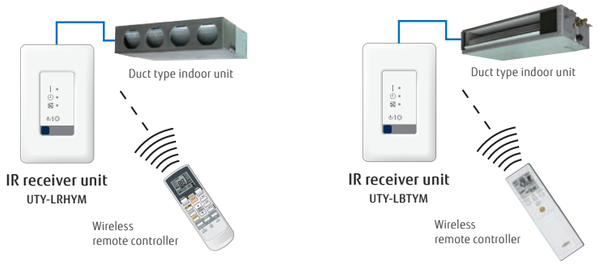
Specifications

Model name	UTY-LNVY	UTY-LNHY
Battery	3.0V (1.5V R03/LR03/AAA x 2)	3.0V (1.5V R03/LR03/AAA x 2)
Dimensions (H × W × D) (mm)	181 × 58 × 17	170 × 56 × 19
Weight (g)	116	85

12 V DC supplied by an indoor unit

IR receiver unit for duct type

UTY-LRHYM / UTY-LBTYM



The wireless remote controller controls duct type indoor units.

IR receiver unit for Cassette

UTY-LBTYC

Cassette type indoor unit can be controlled with a Wireless remote controller.

IR receiver unit for ceiling type

UTY-LBTYH

The wireless remote controller controls ceiling type indoor units.

Specifications

< Wireless Remote Controller >

Model name	UTY-LRHYM	UTY-LBTYM	UTY-LBTYC	UTY-LBTYH
Battery	1.5 V (R03/LR03/AAA)	1.5 V (R03/LR03/AAA)	1.5 V (R03/LR03/AAA)	1.5 V (R03/LR03/AAA)
Dimensions (H × W × D) (mm)	170 × 56 × 19	205 × 61 × 17	205 × 61 × 17	205 × 61 × 17
Weight (g)	85	125	125	125
< IR Reciver Unit>				
Battery	DC5V	DC5V	DC5V	DC5V
Dimensions (H × W × D) (mm)	145 × 90 × 30	145 × 90 × 30	-*	-*
Weight (g)	150	150	140	100

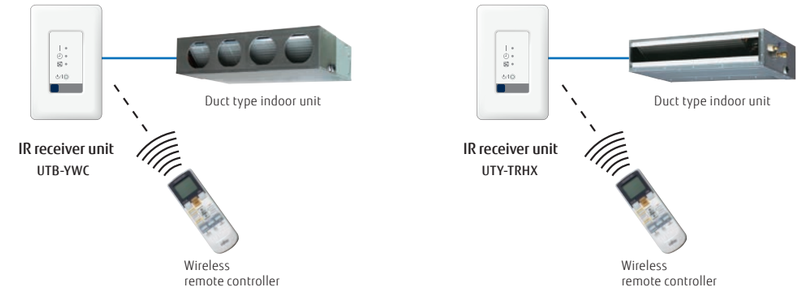
DC 5 V is supplied the indoor unit.
*It will replace the parts of the indoor unit to be connected.

IR receiver unit for duct type

UTB-YWC / UTY-TRHX

The wireless remote controller controls duct type* indoor units.

*Large airflow duct types do not work with this IR receiver unit.

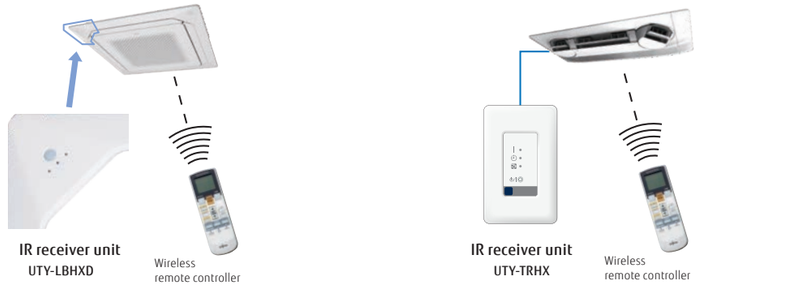


*A separate wireless remote control (model: UTY-LNHY) is required.

IR receiver unit for Cassette

UTY-LBHXD / UTY-TRHX

Cassette type indoor unit can be controlled with a Wireless remote controller.



*A separate wireless remote control (model: UTY-LNVY or UTY-LNHY) is required.

Specifications

< Wireless Remote Controller >

Model name	UTB-YWC	UTY-LBHXD	UTY-TRHX
Battery	1.5 V (R03/LR03/AAA)	1.5 V (R03/LR03/AAA)	1.5 V (R03/LR03/AAA)
Dimensions (H × W × D) (mm)	170 × 56 × 19	170 × 56 × 19	170 × 56 × 19
Weight (g)	85	85	85
< IR Reciver Unit>			
Battery	DC5V	DC5V	DC5V
Dimensions (H × W × D) (mm)	145 × 90 × 30	-*	145 × 90 × 30
Weight (g)	150	140	150

DC 5 V is supplied the indoor unit.
*It will replace the parts of the indoor unit to be connected.

WLAN adapter

UTY-TFSXH3 / UTY-TFSXJ3

USB type for single split models
UTY-TFSXH3

UTY-TFSXJ3
(CN connector type)

Up to
1 indoor units

AIRSTAGE Mobile

"AIRSTAGE Mobile" is an application software that enables you to manage the Fujitsu General's air conditioner(s) with a mobile device from anywhere.

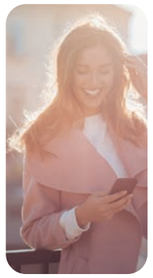
- Maximum 5 accounts per 1 indoor unit
- Room / Outdoor temperature display
- Can be used for a Single / Multi and VRF indoor units.
- No separate external power supply required
- "AIRSTAGE Mobile" is an application software that enables you to operate the Fujitsu General's air conditioners with a mobile device.

Download on the App Store — For iOS
GET IT ON Google Play — For Android

User Friendly for Everyone

Enjoy easy-to-use centralized operation of air conditioners via a smartphone anytime, anywhere

Image*



House Owner

Shop Owner

Commercial Building Owner

Main Functions

- ON / OFF
- Operation mode
- Fan speed
- Louver position
- Set temperature control
- Weekly timer
- Room temperature display
- Outdoor temperature display
- Error display

*Contents of display differ depending on the type of indoor unit.

New Design!

Ease of use is pursued to achieve a stylish design.

The more legible and accessible timer UI enables effortless schedule management.

Mode change

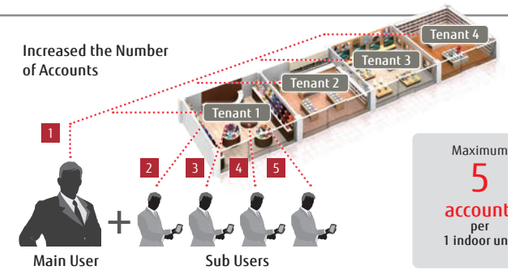
Fan speed change

Weekly timer

Features: AIRSTAGE Mobile

Centralized operation for flexible remote management of all air conditioners

AIRSTAGE Mobile is ideal for a wide range of applications, from large residential buildings to smaller commercial spaces such as offices and stores.
Anyone who has a smartphone and an adapter can easy to manage the system at a low cost.



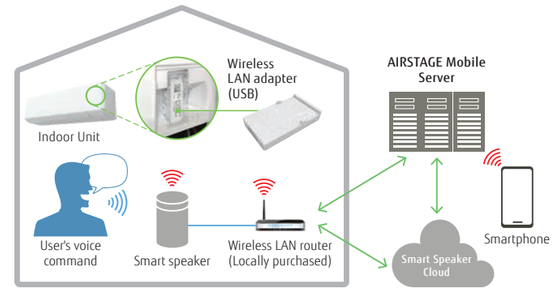
Hierarchical group management

Multiple air conditioners can be combined into a single group for centralized operation. Several groups can also be organized at once.
Grouping the air conditioners by building, floor, or room makes it easy for users to monitor their operation status and operate them quickly.

*One wireless LAN adapter is required per indoor unit.

Operate air conditioner and check its operation status just by talking to it

Connecting with a smart speaker allows the user to operate the air conditioner and check its operation status just by talking to it.



* The new WLAN adapters for AIRSTAGE Mobile are upper compatible for the indoor units that can connect the following WLAN adapters for FGLair.

	CN connector type	USB type
for FGLair	UTY-TFSXZ1	UTY-TFSXF2
for AIRSTAGE Mobile	UTY-TFSXJ3	UTY-TFSXH3

Specifications

Model name	UTY-TFSXJ3(CN connector type)	UTY-TFSXH3
Dimensions (H × W × D) (mm)	71 × 38 × 15	56.7 × 34 × 9.72
Weight (g)	35	30

WLAN adapter

UTY-TFNXZ1 / UTY-TFSXZ1 / UTY-TFSXF2

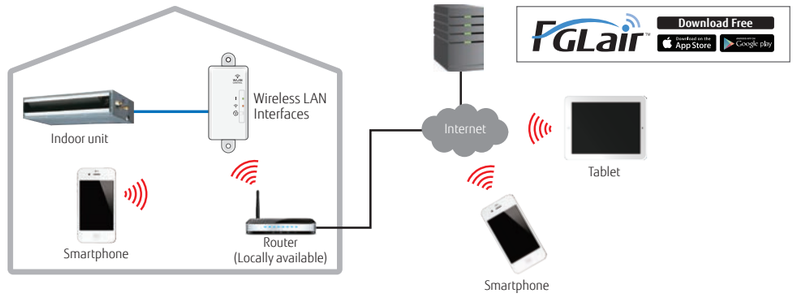
USB type for single-split models
UTY-TFSXF2

UTY-TFNXZ1
(3-wire RC-line type)
UTY-TFSXZ1
(CN connector type)

Up to
1 indoor units

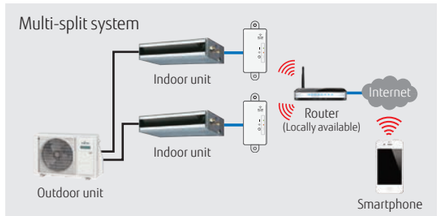
FGLair

- This interface provides the most advanced solution for the remote management of an air conditioning system by using smartphones, tablets, and computers.
- No separate external power supply required
- Can be used for a Single / Multi and VRF indoor units.



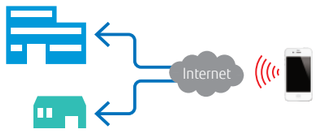
Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed control
- Louver position (airflow direction setting)
- Timer operation setting (Weekly timer)
- Economy mode setting



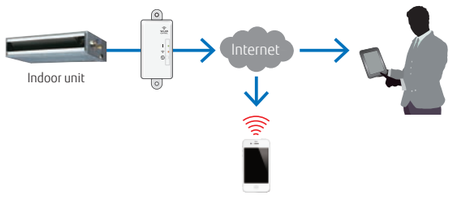
Multiple air conditioning management

- Manage multiple air conditioning systems in different locations.



Error alert and e-mail notice

- E-mail notification alerts
- Air conditioning malfunction alert
- Enables quick service response when errors occur.



WLAN adapter (USB type)

UTY-TFSXF2

A compact USB type is available. No need for specialized installation.
Easily installed on the indoor unit.

Specifications

Model name	UTY-TFNXZ1(3-wire RC-line type)	UTY-TFSXZ1(CN connector type)	UTY-TFSXF2
Dimensions (H × W × D) (mm)	71 × 38 × 15	71 × 38 × 15	56.7 × 34 × 9.72
Weight (g)	35	35	30

WLAN adapter

FG-RC-WIF1Z2 / FG-IR-WIF1Z1 / FG-AC-WIF1Z1

Intesis BY HMS NETWORKS

FG-RC-WIF1Z2
(3-wire RC-line type)

Intesis BY HMS NETWORKS

FG-AC-WIF1Z1
(CN connector type)

Intesis BY HMS NETWORKS

FG-IR-WIF1Z1
(IR type)

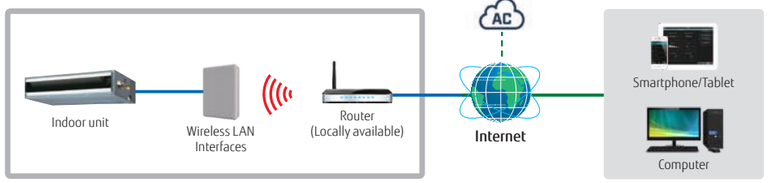
Up to
1 indoor units

AC Cloud Control

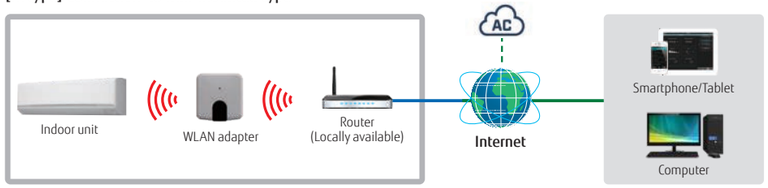
- This interface provides the most advanced solution for the remote management of an air conditioning system by using smartphones, tablets, and computers.
- No separate external power supply required

Installation example

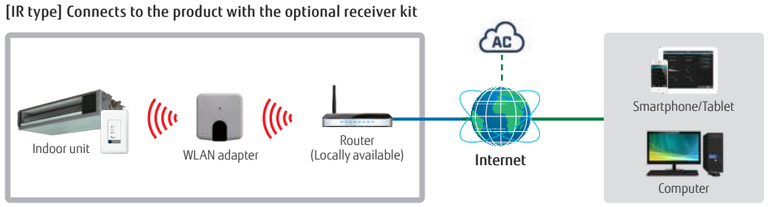
[3-wire RC-line type/CN connector type]



[IR type] Connection to wall-mounted type



[IR type] Connects to the product with the optional receiver kit



*IR receiver required.

Basic control

- Turning air conditioner on and off
- Mode select (Heat, Cool, Dry, Auto, Fan)
- Louver position (airflow direction setting)
- Fan speed control
- Room temperature display
- Setting temperature
- Multiple language support
- One single scene is created.

Advanced control (optional functions)

- Climate-based operation modes (ECO, Comfort, and Powerful) (to be available in the future)
- Schedule functions (ON/OFF, modes, set temperature, fan speed, louver position)
- Setting temperature range limitation
- Multiple Scenes and Calendars are created.
- Smart Speaker compatibility
- Advanced internet service connections

Notification and operation history

- E-mail notification alerts
- Air conditioning malfunction alert
- Connectivity monitoring and alert
- Operation history (to be available in the future)

Specifications

Model name	FG-RC-WIF1Z2 (3-wire RC-line type)	FG-AC-WIF1Z1 (CN connector type)	FG-IR-WIF1Z1 (IR type)
Number of controllable groups	1	1	1
Dimensions (H × W × D) (mm)	108 × 70 × 28	81 × 78 × 28	127 × 50 × 17
Weight (g)	80	76	80

Multiple protocol WLAN adapter

FG-RC-WMP1Z1 / FG-IR-WMP1Z1 / FG-AC-WMP1Z1

Intesis® BY HMS NETWORKS

FG-RC-WMP1Z1
(3-wire RC-line type)

Intesis® BY HMS NETWORKS

FG-AC-WMP1Z1
(CN connector type)

Intesis® BY HMS NETWORKS

FG-IR-WMP1Z1
(IR type)

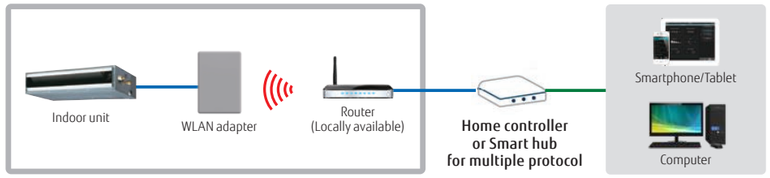
Up to
1 indoor units

AC Cloud Control

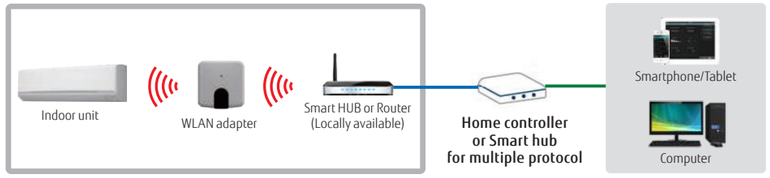
- Air conditioner control of Home Automation systems via wireless LAN connection.
- No separate external power supply required

Installation example

[3-wire RC-line type/CN connector type]



[IR type]



*IR receiver required for other than wall-mounted type.

Specifications

Model name	FG-RC-WMP1Z1 (3-wire RC-line type)	FG-AC-WMP1Z1 (CN connector type)	FG-IR-WMP1Z1 (IR type)
Number of controllable groups	1	1	1
Dimensions (H × W × D) (mm)	70 × 100 × 28	127 × 50 × 17	81 × 78 × 28
Weight (g)	98	80	76

Multiple protocol LAN adapter

FG-TL-MBS16Z1

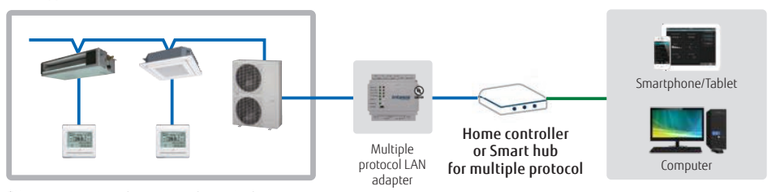
Intesis® BY HMS NETWORKS

FG-TL-MBS16Z1
(VRF type)

Up to
16 indoor units

Installation example

[VRF type]



*No separate external power supply required

Specifications

Model name	FG-TL-MBS16Z1 (VRF type)
Power supply	9 to 36 V DC, Max.: 140 mA or 24 V AC 50/60 Hz, Max.: 127 mA.*
Input power (W)	1.7
Dimensions (H × W × D) (mm)	90 × 88 × 56
Weight (g)	330

*24 V DC power supply is recommended.

Home central remote controller

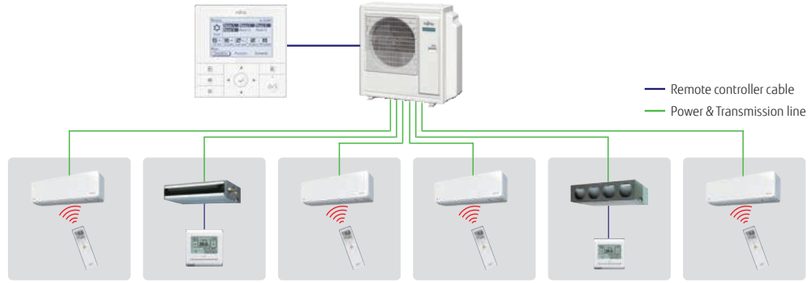
UTY-DMMYM / UTY-DMMYM1

Up to
1 multi-split system
Up to
6 indoor units

For 5-unit and 6-unit multi-split type

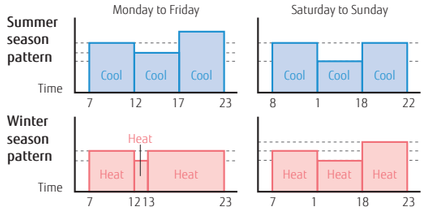
- Batched control of up to 6 indoor units For all indoor units connected to the remote controllers, the Home central remote controller sets room temperature, airflow volume, and remote controller prohibition from other remote controllers at once.
- Supports 9 languages: English, French, German, Greek, Italian, Portuguese, Russian, Spanish, and Turkish.
- Large backlit LED screen
- Large, easy-to-see operation panel

Example of system configuration



Home central remote controller

Weekly timer
Up to 4 ON/OFF settings can be programmed per day. Two weekly patterns can be set, one for the cooling season and the other for the heating season.

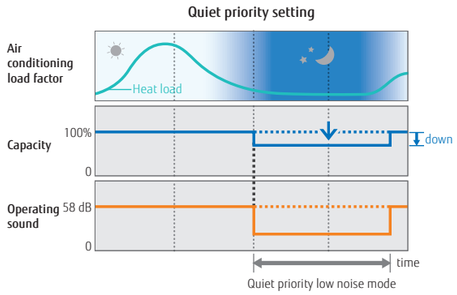


Low noise operation
You can choose from 4 low noise levels depending on the installation environment. ON/OFF timing of low noise mode can be set with the timer.

10 °C heat operation
When you leave the house, the air conditioner runs a minimum heating operation to maintain the room temperature at 10°C.
*Consult your dealer for conditions of use.

Economy operation
When you select energy-saving economy mode, the temperature setting for the indoor unit increases (during cooling operation) or decreases (during heating operation) by 1°C and the maximum electric value of the outdoor unit is suppressed.

Prohibiting local control, including settings such as child lock
The Home central remote controller is equipped with a lock function to prevent unauthorized operation from the remote controllers of the indoor unit in each room. The Home central remote controller is equipped with a child lock to prevent children from accidentally turning the air conditioner on or off or changing its settings.



Specifications

Model name	UTY-DMMYM/UTY-DMMYM1
Power source	12 V DC
Dimensions (H × W × D) (mm)	120 × 120 × 21.3
Weight (g)	220

12 V DC supplied by an indoor unit

Central remote controller

UTY-DCGYZ3

NEW

Up to
100 indoor units
Up to
50 groups

For tenants in small to midsize commercial premises

- Individual control and monitoring of up to 100 indoor units
- 7.0inch TFT color screen
- Visually intuitive operation
- Room temperature display by indoor unit sensor & remote controller sensor
- 50 Remote Controller Groups Display & remote controller group rename
- Supports 14 languages: Chinese (Simplified/Traditional), Dutch, English, French, German, Greek, Italian, Polish, Portuguese, Russian, Spanish, Turkish, and Thai (Remote Management only)

Easy operation

Air conditioning management by detecting room temperatures of each room

The room temperature detected with indoor unit sensor or remote controller sensor can be displayed. New model can detect the room temperature by indoor units sensors even if wired remote controllers are not connected to the indoor units.

Not connected wired remote controller

: Indoor Unit Sensor

Connected wired remote controller

: Remote Controller Sensor / other sensors

*Room temperature is displayed only when indoor unit operates.

50 Remote Controller Groups Display

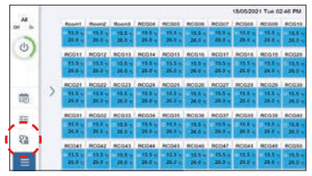
The group display and the 50 remote controller groups display can be switched easily.
Users can choose which display is better, depending on the situation.

Group Display

Manage & Monitor
by each Groups

One-tap
to switch

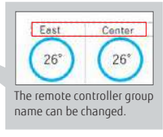
50 Remote Controller Groups Display



Manage & Monitor
by 50 Remote Controller Groups

Remote Controller Groups Rename

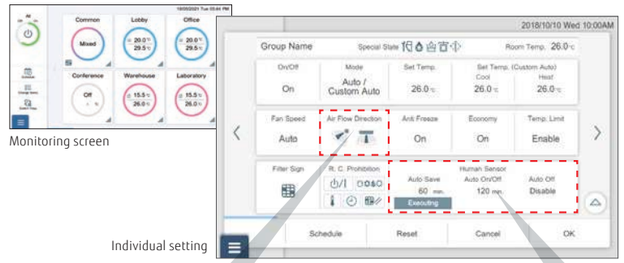
The remote controller group names can be changed. Users can know easily where the air conditioning is located by changing the remote controller group names.



The remote controller group name can be changed.

Features: Central Remote Controller

- Easy intuitive operation from the touch panel display.
- All functions can be accessed through the monitoring screen showing a pop-up window for detailed operation.



Added individual wind direction control

Individual wind direction control has been added.

Circular Flow cassette / 3D Flow cassette

Circular flow cassette

Human sensor Compatible

Human sensor setting

- Auto save
- Auto on / off
- Auto off detection time
- Enable and disable

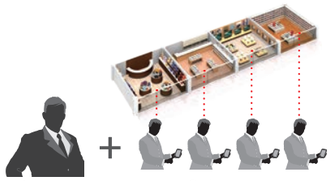
Remote Management

Remote monitoring / Remote operation

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

When the central remote controller manages the indoor units of some tenants, air conditioning of each tenant can be managed separately online.

Increased the Number of Accounts



Maximum
30
accounts

Trouble support function

Display error details

Display descriptive explanation when an error occurs

Sensor value monitoring function

Monitor sensor data of indoor unit / outdoor unit, send mail

Notify room temperature by email*

Notify by e-mail when the temperature around the air conditioner is too high or too low

*:This function is available only when using wired remote controller.

NEW Schedule management

Annual schedule

- An annual schedule can be arranged for each remote controller group or user-defined group.
- Allows for the programming of special settings for weekends, holidays, and store closings throughout the year.

low noise schedule

Low noise operation of outdoor units can be scheduled.

Automatic return to set temperature

A function that automatically returns the changed temperature to its original value over time.

Specifications

Model name	UTY-DCGYZ3
Power Supply	100-240 V 50/60 Hz
Dimensions (H × W × D) (mm)	134.6 × 216.2 × 37.9
Weight (g)	800

Touch panel controller

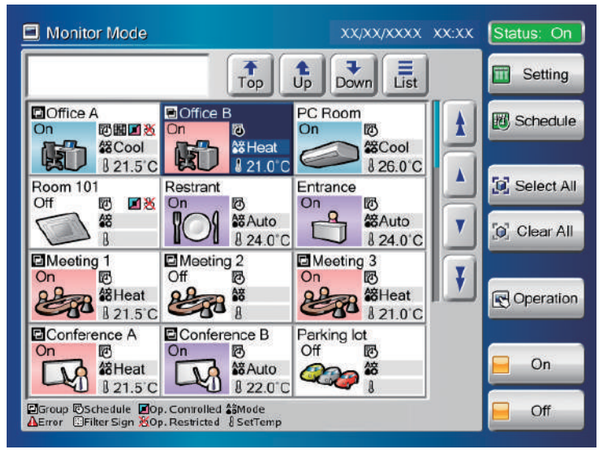
UTY-DTGYZ1

- Large 7.5-inch TFT color LCD screen
- Touch screen operation
- Stylish design to fit nicely into any room environment
- Controls up to 400 indoor units.
- Icon or list view can be selected in monitoring mode.
- Supports 7 languages: Chinese, English, French, German, Polish, Russian, and Spanish.
- Mounted with LAN adapter for remote control & operation, external input/output with emergency stop and batch ON/OFF

Up to
400 indoor units
Up to
100 outdoor units
Up to
400 groups

Easy operation

- Wide range of simple-to-understand icons
- Operate by pressing the icons on the screen with your finger or a stylus.
- The color on the back identifies the current control operation; blue is for monitoring and green is for operational control.



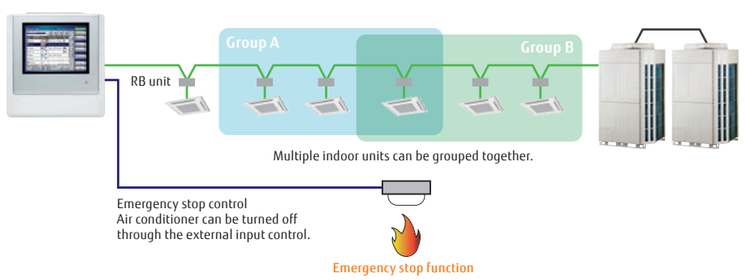
Easy maintenance

- The flat touch panel can be easily cleaned.
- Touch panel controller with non-glare coating to prevent finger marks
- Front cover for easy removal.

Easy installation

- The touch panel controller can be mounted on a wall.
- Flat back surface enables easy installation anywhere on a wall.
- No additional parts or components required for installation

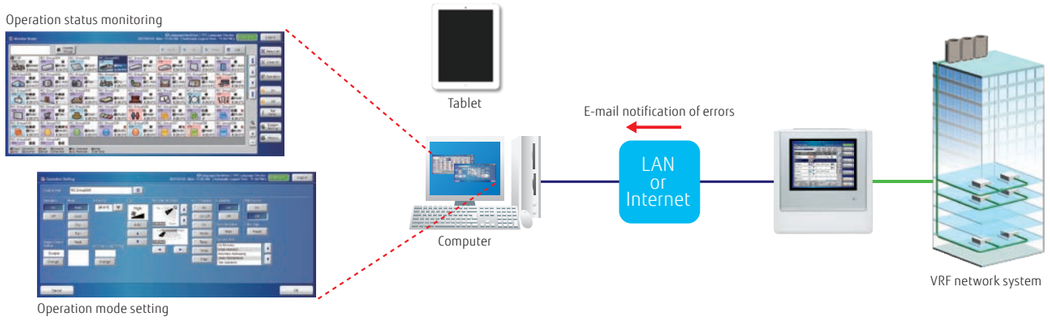
Controls up to 400 indoor units.



Features:

Control & monitoring

- Control and monitor Fujitsu General air conditioners via LAN or internet.
- Users and tenants can manage their assigned equipment from anywhere by computer or tablet.
- When something goes wrong, an error notice is sent by e-mail for prompt troubleshooting.



Smartphone

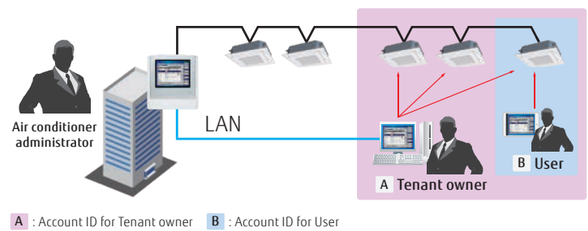
Model name	Browser
Nexus 6P (Android 7.1.1)	Google Chrome 5.5
iPhone 7 (iOS 10.1)	Safari 10

Tablet

Model name	Browser
iPad Pro 9.7 inch (iOS 10.2.1)	Safari 10

Flexible access permissions can be granted to users at each point level.

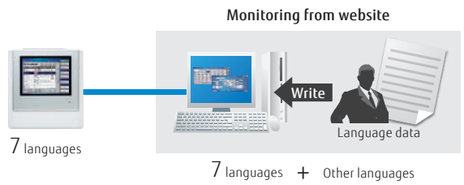
The administrator can register multiple users and permit them to access any indoor unit and any functions.



A : Account ID for Tenant owner B : Account ID for User

Additional languages

Supports 7 languages as standard: Chinese, English, French, German, Polish, Russian, and Spanish.
Create a language database to integrate additional languages into the remote device.
The added languages will only be displayed on the remote device and cannot be added to the Touch panel controller.

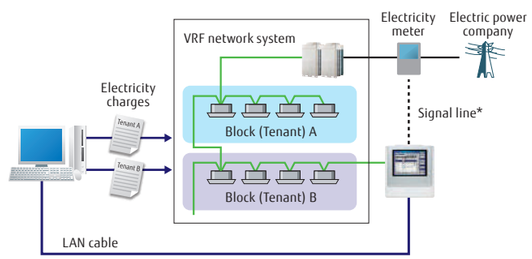


Electricity charge apportionment

(Option: UTY-PTGXA)

- Energy cost can be calculated and allocated to each billing user in proportion to the amount of energy used for air conditioning.

- Apportionment charge/bill calculation
- Tenant (block) setting
- Common facilities apportionment setting
- Rated power consumption allotment
- Individual calculations for cooling and heating
- Electricity meter supported



* An electricity usage meter can be connected to an external input connector of the Touch panel controller. In that case, the meter cannot be connected to an outdoor unit at the same time.

Features:

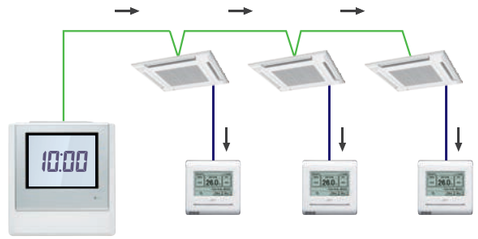
Automatic setting for daylight saving time

Functions provided

1) Schedule setting for daylight saving time
- It prevents the user from forgetting to set daylight saving time. In addition, it saves time and effort for the user.

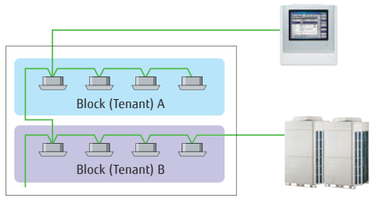
Automatic clock adjustment

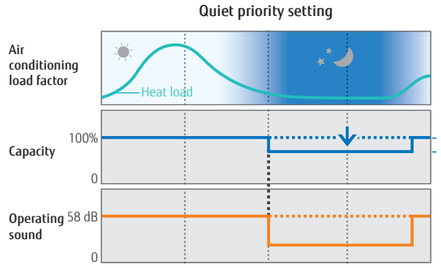
2) Time can be set for all controllers in a batch automatically.



Outdoor unit low noise operation

You can choose from 4 low noise levels depending on the installation environment.
ON/OFF timing of low noise mode can be set with the timer.



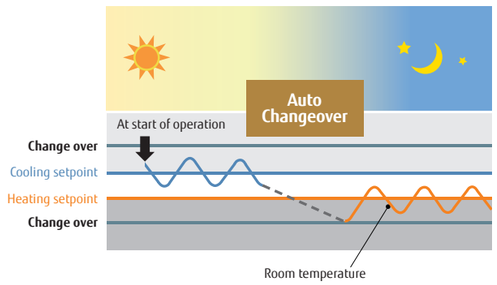


Energy-saving controls

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

* Not available for some models

Cooling set temp. 28˚C, Heating set temp. 18˚C



Refrigerant leak detector

Refrigerant leakage status is indicated by the management equipment. A pop-up message is displayed to notify the user, and the refrigerant is shut off.

FUNCTIONS SUMMARY

	UTY-DTGYZ1	Monitoring side
Air conditioning control functions		
ON/OFF	●	●
Operation mode setting*	●	●
Fan speed control	●	●
Room temperature setting	●	●
Setting temperature range limitation	●	●
Test operation	●	●
Vertical louver setting	●	●
Horizontal louver setting	●	●
Individual louver control	●*1	●
Group setting	●	●
Remote controller prohibition	●	●
Anti-freeze setting	●	●
Set temperature auto return	–	●
Energy-saving controls	–	●
Economy mode setting	●	●
Human sensor control	–	●
Displayed items		
Error	●	●
Defrosting	●	●
Current time	●	●
Day of week	●	●
Remote controller prohibition	●	●
Cooling/heating priority	●	●
Address display	●	●
Room temperature	●*3	●*3
Multiple language support	●	●
Setting for daylight saving time	●	●
Time zone setting	●	●
Name registration	●	●
Backlighting	●	●
Language setting	7	7+other
Filter sign reset	●	●
Memory operations	●	●
Refrigerant leak detector	●	●

		UTY-DTGYZ1	Monitoring side
Timer			
Schedule timer	Period	Year	Year
	ON/OFF, Temp, Mode, Times per day	20	20
ON/OFF timer		–	–
Sleep timer		–	–
Program timer		–	–
Auto-off timer		–	●
Day off		●	●
Minimum unit of timer setting (minutes)		10	10
Control			
Remote monitoring management system		●	●
Electricity charge apportionment		○	○
Error history		●	●
Emergency stop		●*2	●*2
Remote monitoring management		–	●
Energy-saving management		–	–
E-mail notification in case of failure		–	●
Key lock		● Password setting	–
Low noise mode		●	●

●: Supported ○: Optional function –: Not supported
*1 Only setting cancellation can be operated.
*2 Only available for external input control.
*3 Available only when using a Wired remote controller.

Specifications

Model name	UTY-DTGYZ1
Power supply	Single phase ~100 to 240 V 50/60 Hz
Dimensions (H × W × D) (mm)	260 × 246 × 54
Weight (g)	2,150
Interfaces	Transmission/LAN/USB/EXT IN/EXT OUT/Reset SW

System controller

UTY-APGXZ1 Software

Up to
4 VRF network systems
Up to
400 outdoor units
Up to
1,600 indoor units

System controller enables advanced integrated monitoring and control of VRF network systems operating in small to large buildings.

- Up to 1,600 indoor units and 400 outdoor units on up to 4 VRF network systems can be controlled.
- To accommodate facility management needs, the system controller offers—in addition to precise air conditioning control—remote central control, electricity charge apportionment, schedule management, and energy-saving options for VRF network systems.
- Supports 7 languages: Chinese, English, French, German, Polish, Russian, and Spanish.

System controller lite

UTY-ALGXZ1 Software

Up to
1 VRF network systems
Up to
100 outdoor units
Up to
400 indoor units

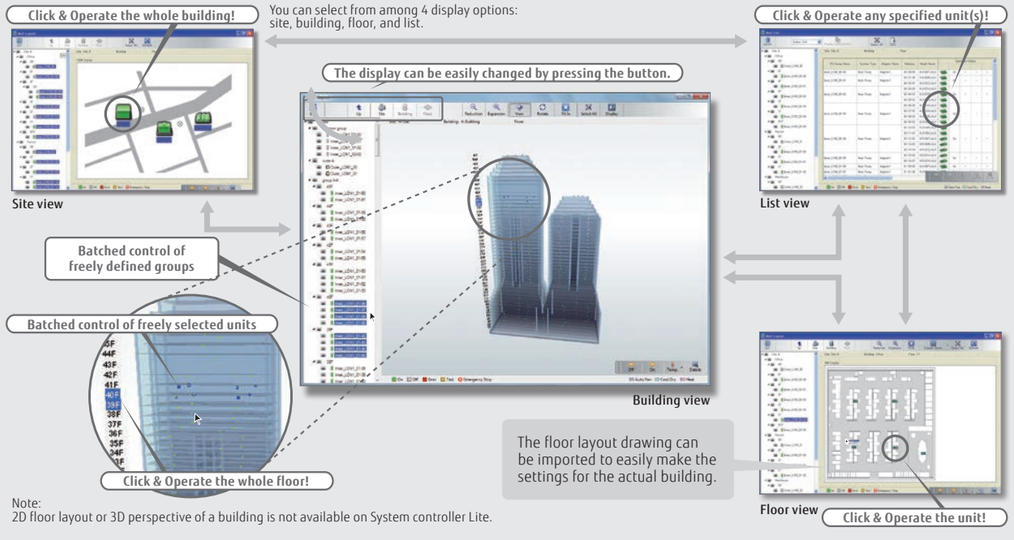
System controller Lite offers a set of standard functions to manage air conditioners operating in a small or midsize building.

- Up to 400 indoor units and 100 outdoor units on a VRF network system can be controlled.
- In addition to precise air conditioning control, a variety of applications are available as options to offer a wider range of control.
- Supports 7 languages: Chinese, English, French, German, Polish, Russian, and Spanish.

Visually intuitive operation

Click & Operate: The visual representation of the property is shown on the screen from the perspective most suitable for operation (Click & Operate) You can select from among 4 display options: site, building, floor, and list.

Freely define groups for batched control: Indoor units can be grouped for simplified batch control from the tree menu. They can be grouped by organizational hierarchy, such as by division, department, and section.



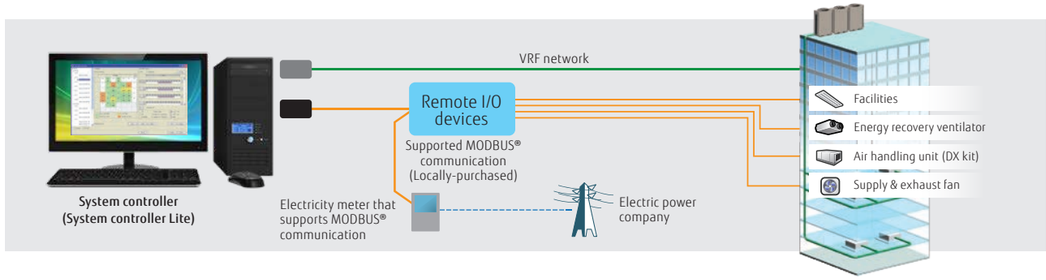
Note:
2D floor layout or 3D perspective of a building is not available on System controller Lite.

Features:

Third-party devices connected via MODBUS® can be controlled.

Standard for System Controller Option for System controller Lite UTY-PLGXX2

When a MODBUS® adapter (locally available) is connected to a computer, electrical equipment and devices supported by MODBUS® can be monitored and controlled centrally from the computer. The central control can reduce wasted energy throughout an entire building resulting from a failure to turn equipment off during or after work, as well as reduce the need for on-site patrols.

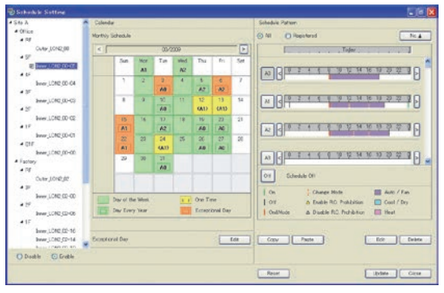


Wide-ranging operation and data management

Standard System controller and System controller Lite

Schedule management

- An annual schedule can be arranged for each remote controller group or user-defined group.
- ON/OFF, operation mode, remote controller prohibition, and temperature settings can be programmed for up to 143 times per day at 10-minute intervals and for up to 101 configurations for each remote controller group.
- Settings can be programmed for a period that spans midnight.
- Allows for the programming of special settings for weekends, holidays, and store closings throughout the year.
- Low noise operation of outdoor units can be scheduled.



Wide-ranging control of indoor and outdoor units

- The operation status and mode of each indoor unit are displayed.
- Turn on and off each indoor unit and switch its operation mode.
- Setting temperature range limitation
- Low noise setting of outdoor units

Remote controller prohibition

Prohibits the operation mode, temperature setting, or ON/OFF of an indoor unit.

Error alert and e-mail notice

When something goes wrong, an error message is shown in a popup on a computer display with a chime, and an e-mail notice is sent. Errors of the past one year are logged and can be reviewed.

Operation and control history

A history of operation status and control can be maintained and retrieved.

Importing and exporting databases

Only an administrator is authorized to import and export registration, layout, and image data.

Automatic clock adjustment

Time can be set for all controllers in batch automatically.

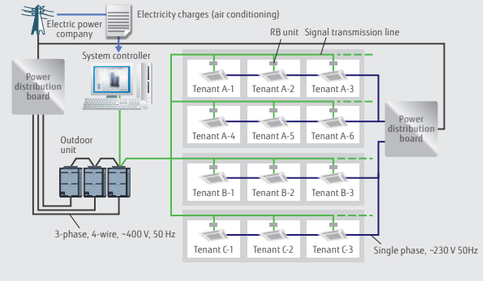
Electricity charge apportionment

Standard on System controller
Option System controller Lite UTY-PLGXA2

Electricity charge apportionment method

This is a method to calculate monthly energy costs to be allocated to each tenant based on the amount of energy used by their air conditioners. The first step is to determine exactly how much energy is consumed by air conditioners in each tenant space. The second step is to divide the total energy charge billed by an electric power company based on the amount of energy used by each tenant to determine the energy cost to be allocated to each of them. (See figure on right)
The calculation takes into consideration such factors as the number of unused rooms and nighttime electricity rate, which are shown in detail on an energy cost allocation schedule.

Example of system configuration



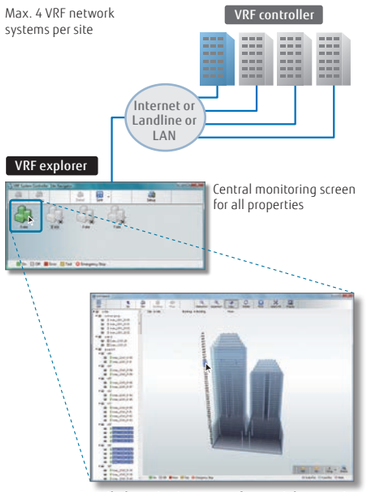
Features:

Remote monitoring management

Standard on System controller
Option System controller Lite UTY-PLGXR2

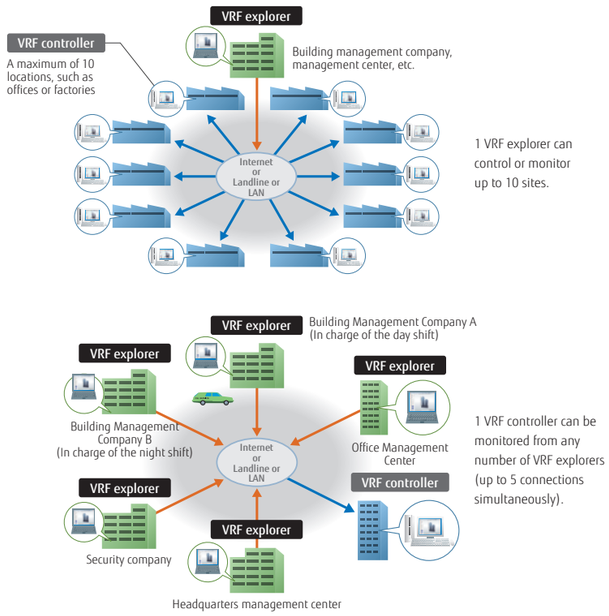
The System controller can be used on site or remotely over networks for remote central control.
The System controller requires 2 software programs working together: The VRF controller runs on site and communicates with the VRF system;
The VRF explorer, which runs at a remote location, provides a user interface and communicates with the VRF controller.
The VRF controller and the VRF explorer run on a single computer or on different computers connected on a network.
A computer running VRF explorer can centrally control up to 10 VRF system sites having up to 20 buildings each.

On site central control



Detailed monitoring screen for special properties

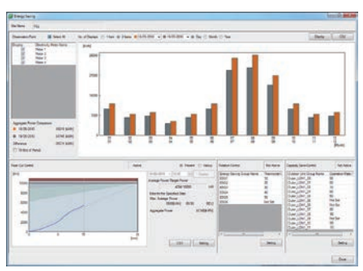
Remote central control



Energy-saving management

Option System controller UTY-PEGXZ1
Option System controller Lite UTY-PLGXE2

A variety of energy-saving options can be selected depending on the season, weather, and time of day. Excellent energy-saving operation is performed while keeping users comfortable.



Main screen for energy-saving management

Energy saving graph data: This chart compares the energy consumption for the current month with the previous month and with the same month of the previous year to keep track of the energy-saving performance.

Indoor unit rotation

Indoor units can be automatically rotated to operate within a group in accordance with a predetermined annual schedule to reduce power consumption while keeping users comfortable. The operation stoppage rate can be selected for an indoor unit.

Peak-cut mode

The system controller monitors the connected power meter and controls the energy to maintain the target power consumption set for each time period by changing the set temperature of the indoor units or turning off the thermostat so as to keep the users comfortable. Indoor units to be controlled can be grouped in many ways, and the control level can be set for each group.

Capacity saving for outdoor unit

The upper limit on the capacity of an outdoor unit can be adjusted to reduce power consumption during a hot summer or cold winter by averaging out the power-saving performance of each refrigerant system. The upper limit on capacity can be set at 50% of the rated capacity or more.

Summary of functions

Functions	Type		System controller		System controller Lite				
			UTY-APGXZ1	Option UTY-PEGXZ1	UTY-ALGXZ1	Option UTY-PLGXR2	Option UTY-PLGXA2	Option UTY-PLGXE2	Option UTY-PLGXX2
Specifications	Max. number of VRF networks supported		4	—	1	—	—	—	—
	Max. number of indoor unit and remote controller groups per VRF network		400	—	400	—	—	—	—
	Max. number of outdoor units per VRF network		100	—	100	—	—	—	—
	Max. number of indoor units and remote controller groups per System controller		1600	—	400	—	—	—	—
	Max. number of outdoor units per System controller		400	—	100	—	—	—	—
Site supervision	Multiple site display		10	—	10	—	—	—	—
	Number of buildings per site		20	—	—	—	—	—	—
	Number of floors per site		200	—	—	—	—	—	—
	Number of floors per building		50	—	—	—	—	—	—
	3D graphical layout view		●	—	—	—	—	—	—
	2D graphical layout view		●	—	—	—	—	—	—
	List display		●	—	●	—	—	—	—
	Tree display		●	—	●	—	—	—	—
	Group display		●	—	●	—	—	—	—
Error management	Error notification		●	—	●	—	—	—	—
	Audible alarm		●	—	●	—	—	—	—
	E-mail notification of errors		●	—	●	—	—	—	—
History	Error history		●	—	●	—	—	—	—
	Operation history		●	—	●	—	—	—	—
	Control history		●	—	●	—	—	—	—
Operation control	Individual control	ON/OFF	●	—	●	—	—	—	—
		Operation mode*	●	—	●	—	—	—	—
		Room temperature	●	—	●	—	—	—	—
		Fan speed	●	—	●	—	—	—	—
		Airflow direction	●	—	●	—	—	—	—
		Economy mode	●	—	●	—	—	—	—
		Setting temperature range limitation	●	—	●	—	—	—	—
		Anti-freeze	●	—	●	—	—	—	—
		Low noise setting of outdoor units	●	—	●	—	—	—	—
	Individual management	Remote controller prohibition	●	—	●	—	—	—	—
		Setting temperature range limitation	●	—	●	—	—	—	—
		Filter sign reset	●	—	●	—	—	—	—
	Other	memory operations	●	—	●	—	—	—	—
		Pattern operations	●	—	●	—	—	—	—
Schedule	Annual Schedule		●	—	●	—	—	—	—
	Setting for a specific date		●	—	●	—	—	—	—
	ON/OFF per day		72	—	72	—	—	—	—
	ON/OFF per week		504	—	504	—	—	—	—
	Day off		●	—	●	—	—	—	—
	Minimum unit of timer setting (minutes)		10	—	10	—	—	—	—
	Weekly schedule for low noise mode		●	—	●	—	—	—	—
Remote monitoring management	Web Operation		●	—	●	—	—	—	—
	Remote monitoring		●	—	—	●	—	—	—
	Remote operation control		●	—	—	●	—	—	—
	Remote function setting		●	—	—	●	—	—	—
Electricity charge apportionment	Apportionment charge/bill calculation		●	—	—	—	●	—	—
	Tenant (block) setting		●	—	—	—	●	—	—
	Common facilities apportionment setting		●	—	—	—	●	—	—
	Rated power consumption allotment		●	—	—	—	●	—	—
	Individual calculations for cooling and heating		—	●	—	—	●	—	—
	Electricity meter supported		—	●	—	—	●	—	—
Energy-saving management	Indoor unit rotation		—	●	—	—	—	●	—
	Peak cut control		—	●	—	—	—	●	—
	Capacity saving for outdoor unit		—	●	—	—	—	●	—
	Record of energy-saving operation		—	●	—	—	—	●	—
	Information on energy saving		—	●	—	—	—	●	—
	Power consumption monitor		—	●	—	—	—	●	—
	Electricity meter supported			●		—	—	●	—
Control of external devices	Monitor		●	—	—	—	—	—	●
	Control		●	—	—	—	—	—	●
Others	Importing and exporting databases		●	—	●	—	—	—	—
	Automatic clock adjustment		●	—	●	—	—	—	—
	Multiple language support		7 languages	—	7 languages	—	—	—	—
	Refrigerant leak detector		●	—	●	—	—	—	—
	Power shutdown		●	—	●	—	—	—	—

●●: Available -: Not available

Computer requirements

The specifications required for the computer are shown in the table below:

	System controller	System controller Lite
Operating system	• Microsoft® Windows® 7 Home Premium (32-bit or 64-bit) SP1, Windows® 7 Professional (32-bit or 64-bit) SP1 • Microsoft® Windows® 8.1 (32-bit or 64-bit), Windows® 8.1 Pro (32-bit or 64-bit) • Microsoft® Windows® 10 Home (32-bit or 64-bit), Windows® 10 Pro (32-bit or 64-bit) Supports 7 languages: English, Chinese, French, German, Russian, Spanish, and Polish	
CPU	Intel® CoreTM i3 2 GHz or higher	
Memory	• 2 GB or more (for Windows® 7 [32-bit]) • 4 GB or more (for Windows® 7 [64-bit], Windows® 8.1, and Windows® 10)	
HDD	40 GB or more of free space	
Displayed items	1024 × 768 or higher resolution	
Interfaces	•Ethernet port (for getting access to the internet using LAN) or a modem (for getting access to the internet via landline) •Up to 6 USB ports (Only required for a server computer working as a VRF controller) - Maximum of 2 USB ports are required to connect to a White-USB-key/WibuKey - Up to 4 USB ports required to connect to an Echelon® U10 USB network interface * Maximum number of required USB ports depends on the applicable system configuration.	•Ethernet port (for getting access to the internet using LAN) or a modem (for getting access to the internet via landline) •Up to 6 USB ports (Only required for a server computer working as a VRF controller) - Maximum of 4 USB ports are required to connect to a White-USB-key/WibuKey - 1 USB port is required for an Echelon® U10 USB Network interface * The maximum number of required USB ports depends on the applicable system configuration.
Graphic accelerator	Microsoft® DirectX® 9.0c compatible	
Software	Adobe® Acrobat Reader® 9.0 or later	

• Echelon® U10 USB Network interface – TP/FT-10 Channel (Model name: 75010R) (Required for each VRF Network)

Packing list

Type	For System controller		For System controller Lite				
	System controller	Option Energy manager	System controller Lite	Option Remote access	Option Electricity charge apportionment	Option Energy saving	Option Centralized control
Model name	UTY-APGXZ1	UTY-PEGXZ1	UTY-ALGXZ1	UTY-PLGXR2	UTY-PLGXA2	UTY-PLGXE2	UTY-PLGXX2
White-USB-key	1	1	1	1	1	1	1

*1: Software protection key to be inserted in a USB slot running System controller or System controller Lite.
System controller or System controller Lite may only run on a PC with a WHITE-USB-KEY. However, a WHITE-USB-KEY is not required for remote VRF explorer software.

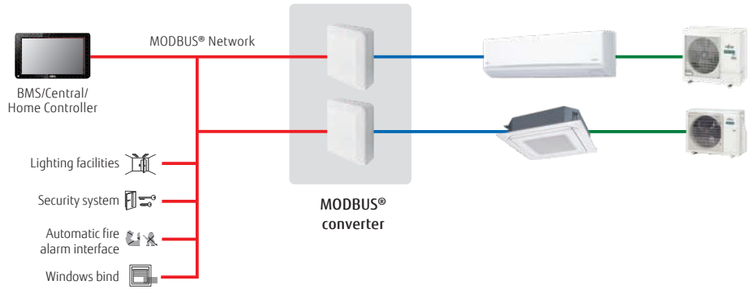
MODBUS® converter for indoor unit

UTY-VMSX

Up to
1 indoor unit

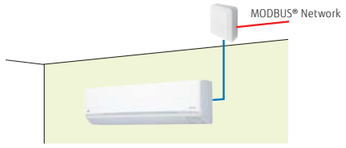
MODBUS® converter enables air conditioners to be fully integrated into a MODBUS® network.

- Simple installation due to small and compact size.
- No separate external power supply required.
- The MODBUS® converter must be connected to an indoor unit on a one-to-one basis.
- The MODBUS® converter enables central monitoring and control of air conditioners from BMS, central, or home controller.



Easy Installation

Easy to install with minimal wiring and without the need for a power supply cable to the converter



Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed control
- Louver position (airflow direction setting)
- Room temperature setting and display
- Economy mode setting
- Error status

Specifications

Model name	UTY-VMSX
Power supply	12 V DC
Input power (W)	Max. 1.2 W
Dimensions (H × W × D) (mm)	140 × 117 × 43
Weight (g)	200
Maximum number of connectable indoor units per MODBUS® converter	1

Modbus communication specifications

Transfer mode	RTU mode
Communication speed	9600/19200 bps
Data bit	8
Parity	even/odd/none
Stop bit	1/2 (no parity)
Network	RS485
Maximum cable length	1000 m (3280 ft)

MODBUS® interface

FG-RC-MBS1Z1 / FG-AC-MBS1Z1 / FG-IR-BMG1Z1

Intesis®

FG-RC-MBS1Z1
(3-wire RC-line type)

Intesis®

FG-AC-MBS1Z1
(CN connector type)

Intesis®

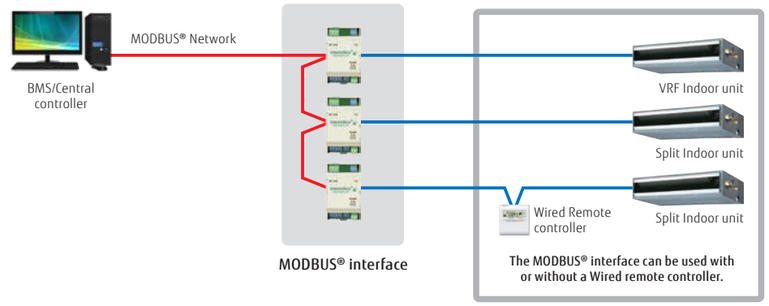
FG-IR-BMG1Z1
(IR type)

Up to
1 indoor unit

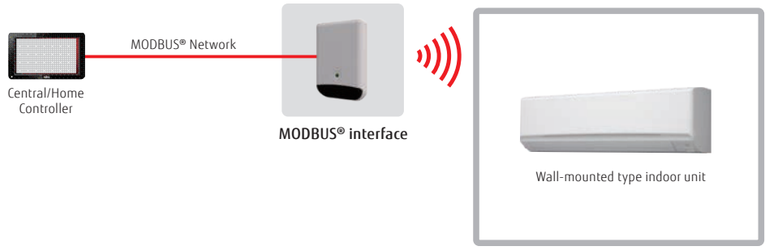
MODBUS® interface enables air conditioners to be fully integrated into a MODBUS® network.

- Small, compact, and easy to install on DIN rails.
- No separate external power supply required.
- MODBUS® interface enables central monitoring and control of air conditioners from BMS.

Installation example



[IR type] Connection to wall-mounted type

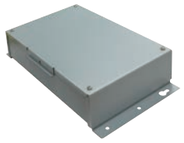


Specifications

Model name	FG-RC-MBS1Z1 (3-wire RC-line type)	FG-AC-MBS1Z1 (CN connector type)	FG-IR-BMG1Z1 (IR type)
Number of controllable groups	1	1	1
Dimensions (H × W × D) (mm)	93 × 53 × 58	93 × 53 × 58	93 × 60 × 21
Weight (g)	85	85	55

MODBUS® convertor for VRF

UTY-VMGX / FG-TL-MBS16Z1



UTY-VMGX

Up to
9 units per VRF system
Up to
100 outdoor units
Up to
128 indoor units

Intesis BY HMS NETWORKS

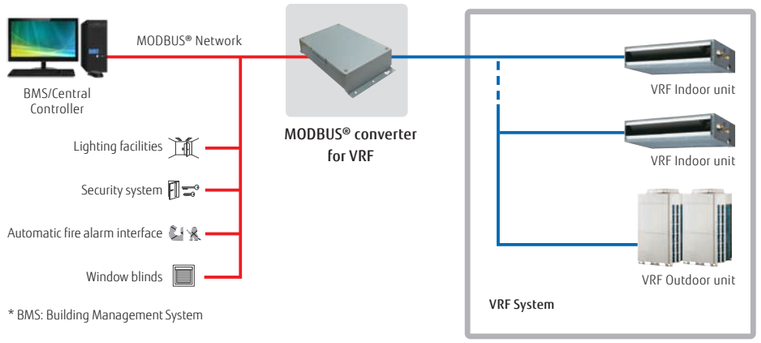
FG-TL-MBS16Z1

Up to
16 indoor units
Up to
16 outdoor units
Up to
128 indoor units

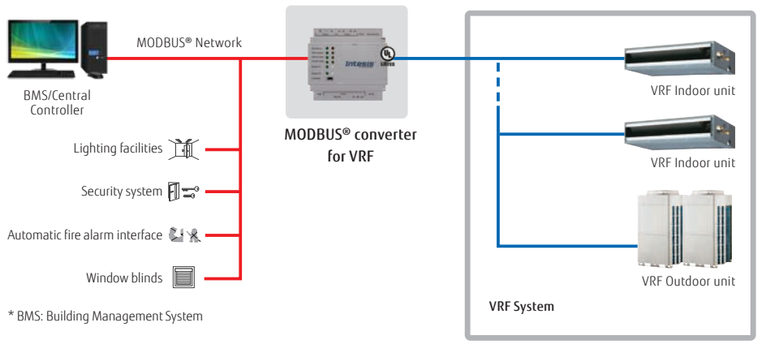
MODBUS® converter enables air conditioners to be fully integrated into a MODBUS® network.

- Compact and lightweight design
- Direct connection to MODBUS® network
- MODBUS® convertor enables central monitoring and control of air conditioners from BMS or a central controller.
- Up to 9 converters can be connected to a VRF network (UTY-VMGX). Simultaneous control, such as Power ON/OFF and temperature setting, can be performed for each zone.
- If a connection error occurs after installation work is completed, the source of the error can be located easily.

Installation example



* BMS: Building Management System



* BMS: Building Management System

Specifications

Model name	UTY-VMGX	FG-TL-MBS16Z1
Power supply	Single phase ~220 to 240 V 50/60 Hz	9 to 36 V DC, Max.: 140 mA or 24 V AC 50/60 Hz, Max.: 127 mA.*
Input power (W)	Max. 2	1.7
Dimensions (H × W × D) (mm)	54 × 260 × 150	90 × 88 × 56
Weight (g)	1,100	330

*24 V DC power supply is recommended.

BACnet® interface

FG-AC-BAC1Z1 / FG-IR-BMG1Z1

Intesis BY HMS NETWORKS

FG-AC-BAC1Z1
(CN connector type)

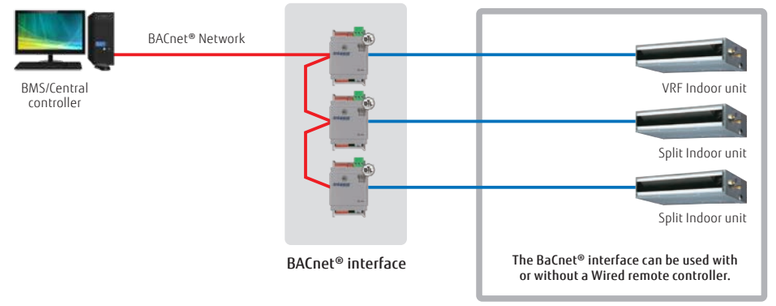
Intesis BY HMS NETWORKS

FG-IR-BMG1Z1
(IR type)

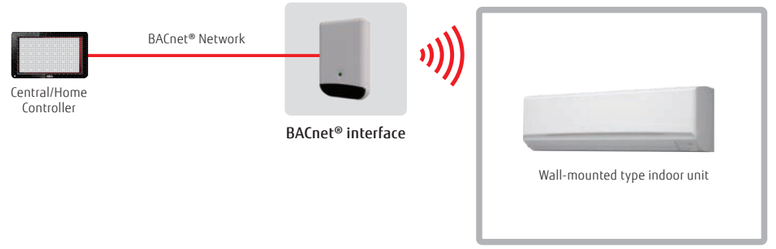
Up to
1 indoor units

- BACnet® interface connects BMS and a Fujitsu General split/multi-split/VRF system.
- Compatible with BACnet® (ANSI/ASHRAE-135-2012) application-specific controller (B-ASC)
- Compatible with BACnet®/IP over Ethernet.

Installation example



[IR type] Connection to wall-mounted type



Specifications

Model name	FG-AC-BAC1Z1 (CN connector type)	FG-IR-BMG1Z1 (IR type)
Number of controllable groups	1	1
Dimensions (H × W × D) (mm)	93 × 53 × 58	93 × 60 × 21
Weight (g)	85	55

12 V DC supplied by an indoor unit

BACnet® gateway

UTY-ABGXZ1 Software

White-USB-key
(Software Protection Key)

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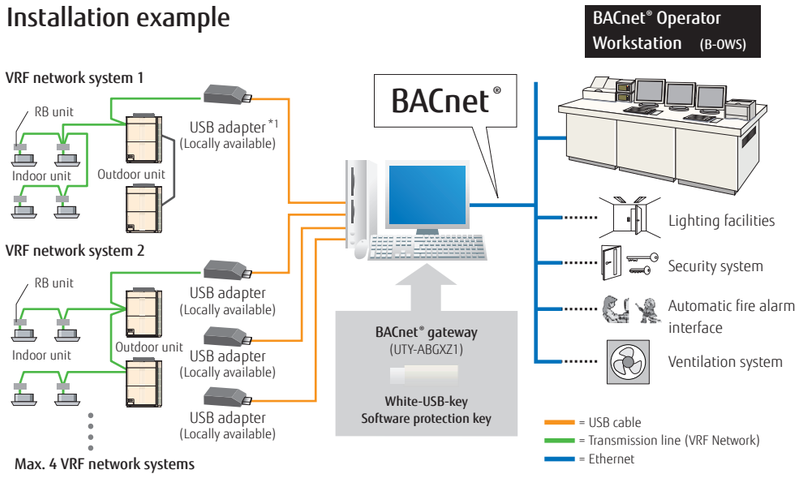
Up to
4 VRF network systems
Up to
400 outdoor units
Up to
1,600 indoor units

- A medium to large BMS can be connected to a VRF network system via BACnet®, a standard communication protocol for open networks.
- Up to 1,600 indoor units on up to 4 VRF network systems (up to 400 indoor units and 100 outdoor units per system) can be connected to a single BACnet® gateway.
- The VRF network system can be controlled or monitored from BMS via BACnet® gateway.
- Compatible with BACnet® (ANSI/ASHRAE-135-2014) application specific controller (B-ASC).
- Compatible with BACnet®/IP over Ethernet.
- Scheduling, alarm and event setting, and energy cost allocation are provided on the BACnet® gateway.
- The VRF network system can be connected to a computer via a U10 USB interface. Note that Fujitsu General does not supply a U10 USB interface or a computer. They must be purchased separately by the user.
- Corresponds to 7 different languages: English, Chinese, French, German, Spanish, Russian, Polish.

Installation example



*1: U10 USB network interface available from Echelon® Corporation.

Computer requirements

	UTY-ABGXZ1
Operating system	• Microsoft® Windows® 7 Home Premium (32-bit or 64-bit) SP1, Windows® 7 Professional (32-bit or 64-bit) SP1 • Microsoft® Windows® 8.1 (32-bit or 64-bit), Windows® 8.1 Pro (32-bit or 64-bit) • Microsoft® Windows® 10 Home (32-bit or 64-bit), Windows® 10 Pro (32-bit or 64-bit) Supported languages: Chinese, English, French, German, Polish, Russian, and Spanish
CPU	Intel® Core™ i3 2 GHz or higher
Memory	• 2 GB or more (for Windows® 7 [32-bit]) • 4 GB or more (for Windows® 7 [64-bit], Windows® 8.1, and Windows® 10)
HDD	40 GB or more of free space
Displayed items	1024 × 768 or higher resolution
Interfaces	• Ethernet port (for getting access to the internet using LAN) • Up to 5 USB ports - 1 USB port required to connect to a White-USB-key/WibuKey - Up to 4 USB ports required to connect to an Echelon® U10 USB network interface *The maximum number of required USB ports varies depending on the applicable system configuration.
Software	Adobe® Acrobat Reader® 9.0 or later

•Echelon® U10 USB Network interface – TP/FT-10 Channel (Model name: 75010R) (Required for each VRF Network)

Packing list

Name and shape	Quantity	Application
White-USB-key	1	Includes the software, user's manual, and license for BACnet® gateway.

BACnet® gateway

UTY-VBGX Hardware

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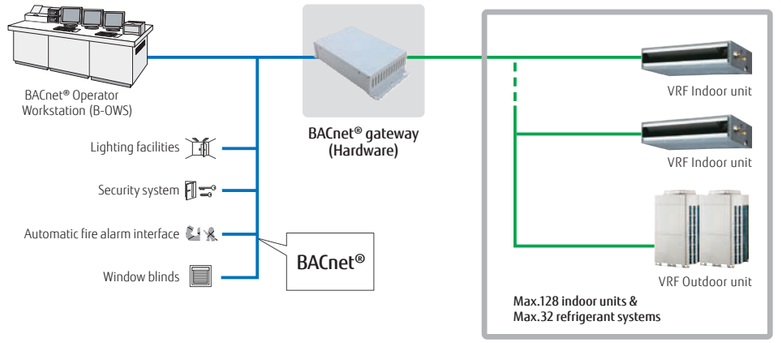
Up to
1 VRF network systems
Up to
32 refrigerant systems
Up to
128 indoor units

- BACnet® gateway connects BMS and a Fujitsu General VRF system.
- Up to 128 indoor units and 32 refrigerant systems can be connected to a single BACnet® gateway.
- Compatible with BACnet® (ANSI/ASHRAE-135-2012) application-specific controller (B-ASC)
- Compatible with BACnet®/IP over Ethernet.

Installation example



Specifications

Model name	UTY-VBGX
Number of controllable indoor units	128
Number of controllable refrigerant systems	32
Number of controllable VRF networks	1
Number of connectable units / one VRF network	4
Power supply	Single phase, 100-240 V, 50/60 Hz
Power consumption (W)	4.6 (max.)
Dimensions (H × W × D) (mm)	59.6 × 270.4 × 176
Weight (g)	1200

BACnet®/MODBUS® router

FG-RTR-BAC32Z1 / FG-RTR-MBS32Z1

FG-RTR-BAC32Z1
(BAC net)

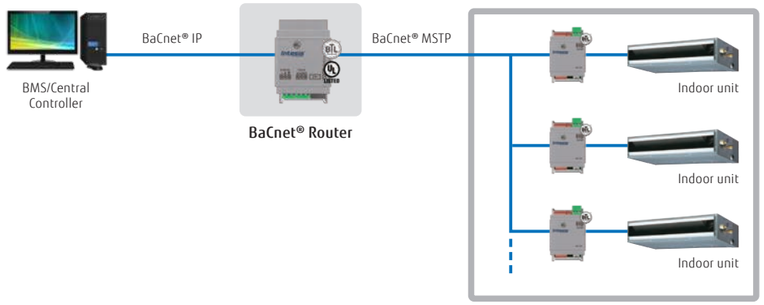
FG-RTR-MBS32Z1
(MODBUS®)

Routing between BaCnet® MS/TP and BaCnet® IP networks

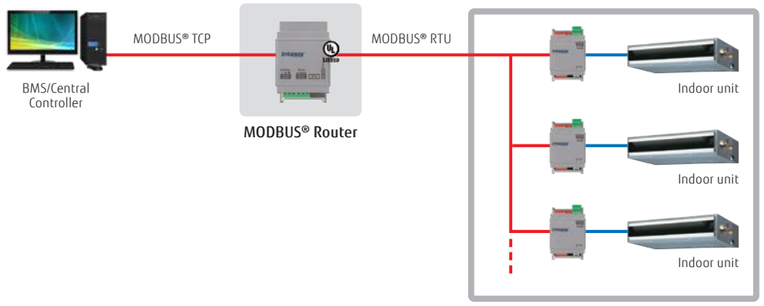
- Routing between BaCnet® MS/TP and BaCnet® IP networks
- Routing between MODBUS® RTU and MODBUS® TCP networks

Installation example

[BaCnet® type]



[MODBUS® type]



Specifications

Model name	FG-RTR-BAC32Z1 (MS/TP to IP)	FG-RTR-MBS32Z1 (RTU to TCP)
Number of routable devices (max.)	32	32
Power supply	9 to 36 V DC, Max.: 140 mA or 24 V AC 50/60 Hz, Max.: 127 mA	9 to 36 V DC, Max.: 140 mA or 24 V AC 50/60 Hz, Max.: 127 mA
Power consumption (W)	1.7	1.7
Dimensions (H × W × D) (mm)	93 × 53 × 58	93 × 53 × 58
Weight (g)	150	150

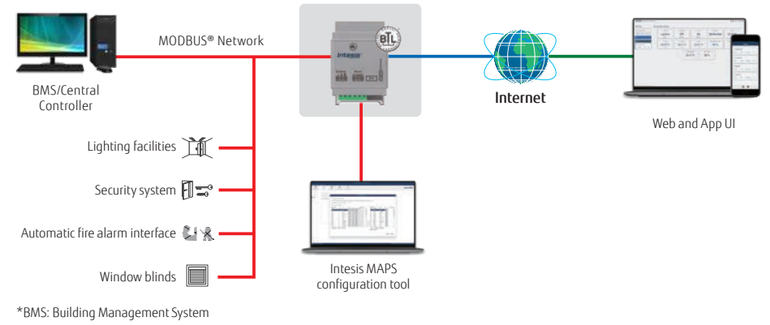
BACnet®/MODBUS® cloud device

FG-CLD-BMG4Z1 / FG-CLD-BMG8Z1 / FG-CLD-BMG16Z1 / FG-CLD-BMG32Z1

FG-CLD-BMG4/8/16/32Z1

- The most powerful configuration tool common to all BACnet® gateways provides the system integrators with the power to configure and monitor their systems in an easy and reliable manner.
- A simple, easy-to-use description for the ST Cloud Web and App User Interface, with all widgets customizable to the user's needs, enabling system integrators to easily offer the best user experience to customers who are in control of their BaCnet® or MODBUS® devices.

Installation example



*BMS: Building Management System

Gateway features

- BaCnet® IP/MSTP or MODBUS® TCP/RTU connectivity
- Up to 32 devices can be connected to each gateway.
- Up to 12 widgets per device
- Easy device configuration with Intesis MAPS

Next-generation services

- Industrial-grade connectivity now for building automation
- Fast and scalable real-time edge connectivity over HMS HubTM
- Full data control and protection
- Secure and remote updates during the application lifetime

System Features

- Monitor and control all devices in an intuitive way
- Comes with a native iOS and Android app and a web interface
- Create scenes and interact with multiple concurrent devices
- Calendar that shows the daily planned installation commands
- Notifications keep you updated about system status
- Device sharing and usage permissions management
- Multiple site management from a common dashboard

Specifications

Model name	FG-CLD-BMG4Z1	FG-CLD-BMG8Z1	FG-CLD-BMG16Z1	FG-CLD-BMG32Z1
Number of connectable BaCnet® (IP/MSTP) or MODBUS® (TCP/RTU) devices	4	8	16	32
Power supply	9 to 24 V DC, 50/60Hz	9 to 24 V DC, 50/60Hz	9 to 24 V DC, 50/60Hz	9 to 24 V DC, 50/60Hz
Power consumption (W)	1.7	1.7	1.7	1.7
Dimensions (H × W × D) (mm)	93 ×53 × 58	93 ×53 × 58	93 ×53 × 58	93 ×53 × 58
Weight (g)	150	150	150	150

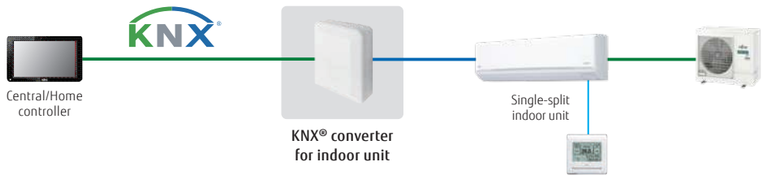
KNX® converter for indoor unit

UTY-VKSX

Up to
1 indoor unit

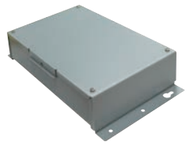
KNX® Converter enables individual control of an indoor unit.

- The new KNX® converter connects a central or home controller and a Fujitsu General indoor unit.
- Compact and lightweight design



KNX® converter for VRF

UTY-VKGX / FG-TL-KNX16Z1



UTY-VKGX

Up to
100 outdoor units
Up to
128 indoor units

Intesis® BY HMS NETWORKS

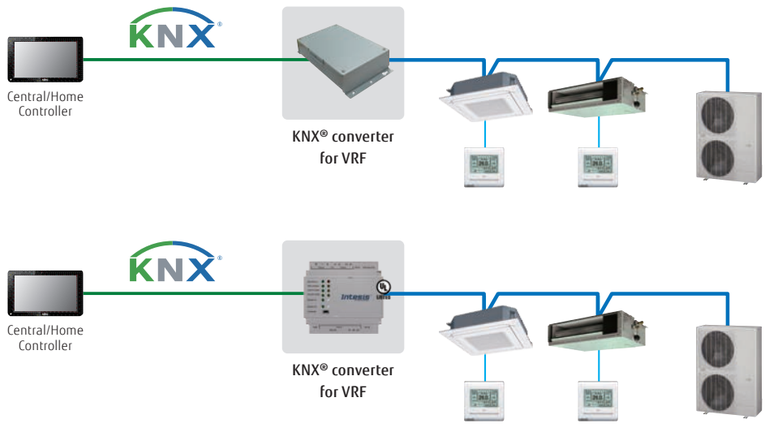
FG-TL-KNX16Z1

Up to
16 indoor units
Up to
16 outdoor units

KNX® converter enables centralized control of a system.

- KNX® converter connects a central or home controller and a Fujitsu General VRF system.
- Up to 128 indoor units and 100 outdoor units can be connected to a single KNX® converter. (UTY-VKGX)

Installation example



Specifications

Model name	UTY-VKSX	UTY-VKGX	FG-TL-KNX16Z1
Power supply	12 V DC	Single phase ~220 to 240 V 50/60 Hz	9 to 36 V DC, Max.: 140 mA or 24 V AC 50/60 Hz, Max.: 127 mA.*
Input power (W)	0.6	1.5	1.6
Dimensions (H × W × D) (mm)	140 × 117 × 43	54 × 260 × 150	90 × 88 × 56
Weight (g)	215	1,200	340

*24 V DC power supply is recommended.

KNX® interface

FG-RC-KNX1Z1 / FG-AC-KNX1Z1 / FG-IR-KNX1Z1

Intesis® BY HMS NETWORKS

FG-RC-KNX1Z1
(3-wire RC-line type)

Intesis® BY HMS NETWORKS

FG-AC-KNX1Z1
(CN connector type)

Intesis® BY HMS NETWORKS

FG-IR-KNX1Z1
(IR type)

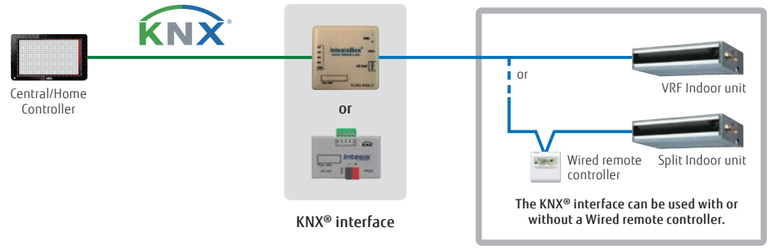
Up to
1 indoor unit

The KNX® interface enables air conditioners to be fully integrated into a KNX® network system.

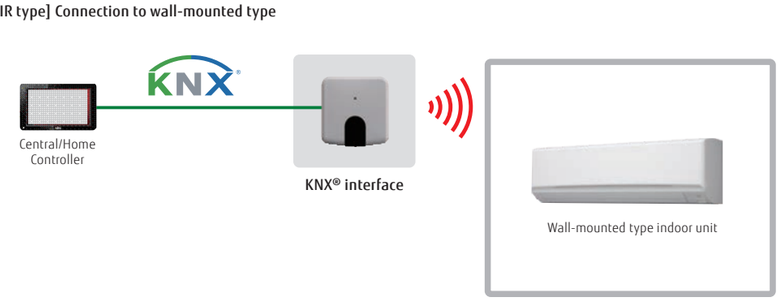
- Simple installation due to small and compact size.
- No separate external power supply required (only KNX® bus power required)

Installation example

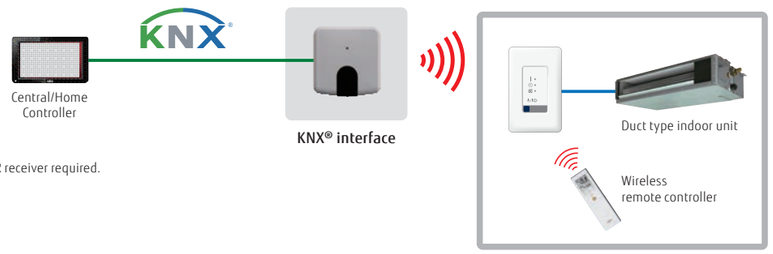
[3-wire RC-line type/CN connector type]



[IR type] Connection to wall-mounted type



[IR type] Connection to a product other than wall-mounted type



*IR receiver required.

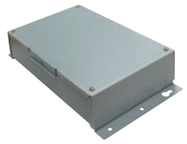
Specifications

Model name	FG-RC-KNX1Z1 (3-wire RC-line type)	FG-AC-KNX1Z1 (CN connector type)	FG-IR-KNX1Z1 (IR type)
Number of controllable groups	1	1	1
Dimensions (H × W × D) (mm)	70 × 70 × 28	45 × 59 × 21	81 × 78 × 28
Weight (g)	70	35	76

Network converter for single-split type

UTY-VTGX / UTY-VTGXV

UTY-VTGX
DC power supply type



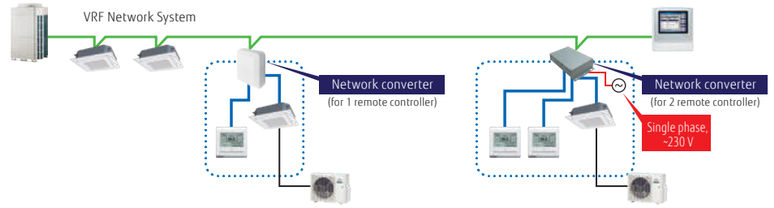
UTY-VTGXV
AC power supply type

Up to
16 single indoor units
Up to
1 group
Up to
100 Network Converters

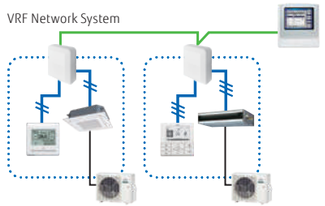
- A network converter is required when connecting a single-split system to a VRF network system.
- Compact and lightweight design
- Connectable to both nonpolar 2-core and polar 3-core remote controllers

Installation example

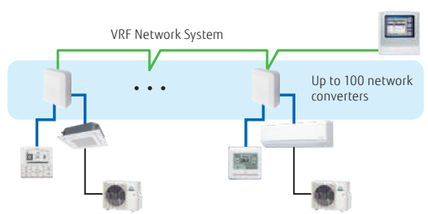
- A 1-remote-controller type and a 2-remote-controller type are available.
- Power supply (220 to 240 V AC, 50/60 Hz) is required for the 2-remote-controllers type.



- Both nonpolar 2-core and polar 3-core type Wired remote controllers can be connected.



- Central control can be provided for single-split systems. (Up to 100 network converters can be connected in a VRF network system)

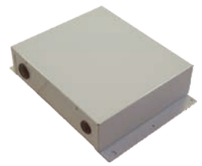


Specifications

Model name	UTY-VTGX		UTY-VTGXV
Power supply	Polar 3-core 12 V DC	Nonpolar 2-core DC 12 V	Single phase ~220 to 240 V 50/60 Hz
Input power (W)	Max. 1.2 W		Max. 3
Dimensions (H × W × D) (mm)	140 × 117 × 43		54 × 260 × 150
Weight (g)	250		1,100

Network converter for LonWorks™

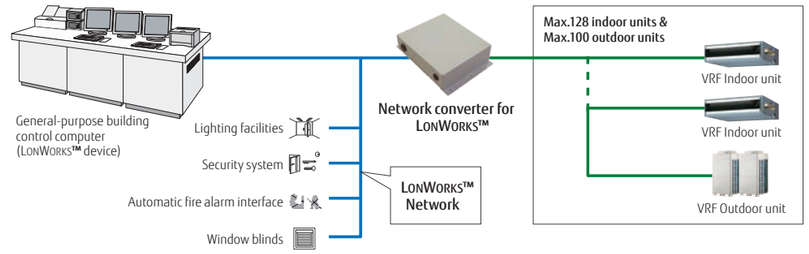
UTY-VLGX



Up to
4 units to BMS
Up to
100 outdoor units
Up to
128 indoor units

- Connects the VRF network system to a **LonWorks™** open network to manage small and midsized BMS and VRF network system.
- The UTY-VLGX enables centralized monitoring and control of VRF network system from a BMS via a **LonWorks™** interface.
- Up to 128 Indoor units can be connected to one network converter for **LonWorks™**

Installation example



Specifications

Model name	UTY-VLGX
Power supply	Single phace ~208 to 240 V 50/60 Hz
Power consumption (W)	4.5
Dimensions (H × W × D) (mm)	67 × 288 × 211
Weight (g)	1,500

Transmission specifications (BMS side)

Transmission speed	78 kbps
Transceiver	FT-X1 (available from Echelon® Corporation)
Transmission line form	Free topology
Terminal resistor	None (converter to be attached at the terminal of a network)

External switch controller

UTY-TERX

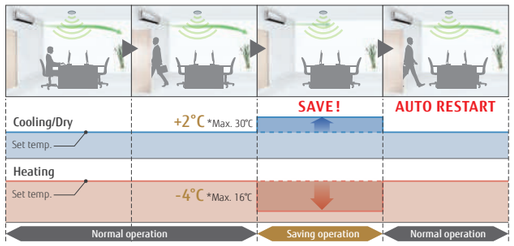
Up to
1 group

Air conditioner switching can be controlled by connecting this external switch controller to other sensor switches.

- In combination with a commercially available card-key switch or other sensors, this External switch controller enables the control of ON/OFF, room temperature, and fan speed of connected air conditioners as well as master control functions. This makes this product an ideal choice for use in hotel rooms.
- Card key or other sensor switches are locally available.
- The set temperature can be specified at two points each for cooling and heating operations (4 points in total).

Installation example

Human sensor monitors the movement of a person in a room. When it detects that the person has left the room, it switches the air conditioner to low-capacity mode. When a person returns to the room, the air conditioner returns to the previous operation mode.



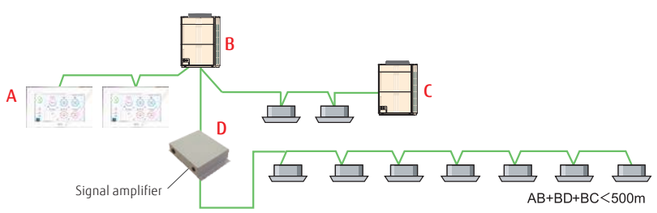
Human sensor equipment needs to be purchased separately.
Human sensor is not mounted on an External switch controller.

Signal amplifier

UTY-VSGXZ1

- The transmission line can be extended up to 3,600 m using multiple Signal amplifiers.
- Up to 8 Signal amplifiers can be added in a VRF network system.
- A Signal amplifier is required.
  (1) When the total wiring length of the transmission line exceeds 500 m.
  (2) When the total number of units on the transmission line exceeds 64.

Installation example



Specifications

Model name	UTY-VSGXZ1	UTY-TERX
Power supply	Single phace ~208 to 240 V 50/60 Hz	6.5 to 16 V DC
Power consumption (W)	4.5	-
Dimensions (H × W × D) (mm)	67 × 288 × 211	140 × 117 × 43
Weight (g)	1,500	250

12 V DC supplied by an indoor unit

Controller system list (available) for Split/Multi-split

Controller Options/Accessories:

Type		Refrigerant	Indoor unit																										Outdoor unit
			Wall-mounted								Cassette		Duct							Floor	Ceiling	Multi-split							Single phase
			Designer Range		Standard Range			ECO Range			Compact 4-way flow Range	Circular flow Range	Slim	Medium static pressure (High-Efficiency & Comfort)	Medium static pressure (Compact)	Medium static pressure (Standard)	High static pressure		BIG			Wall-mounted		Compact cassette	Mini duct	Slim duct	5/6-unit multi-split
			ASEH07/09/12/14KGTG, ASYG07/09/12/14KGTF, ASYG07/09/12/14KGTE	ASEG 07/09/12/14 KETF, KETF-B ASYG 07/09/12/14 KETE, KETE-B	ASEH07/09/12/14KMCG, ASYG07/09/12/14KMCF, ASYG07/09/12/14KMCE	ASEG 18/24KMTE	ASEH 30/36KMTB	ASEH 07/09/12 KNCA	ASEG 07/09/12 KPCE	ASEH 07/09/12 KLTA	AUXG 09/12/14/ 18/22/24 KVLA	AUXG 18/22/24/30/ 36/45/54 KRLB	ARXG 09/12/14/18 KLLAP	ARXH 12/14/18 22/24/30/ 36/45/54 KMTAP	ARXG 12/14/18/ 22/24/30/ 36/45/54 KHTAP	ARXG22KMLB, ARXG 24/30/36/45 KMLA	ARXG 45/54KHTB	ARYG 60LHTA	ARYG 72/90LHTA	AGEG 09/12/14 KVCA	ABEG 18/22/24/30/ 36/45/54 KRTA	ASEH 05KNCA	ASEG 22KMTE	AUXG 07KVLA	ARXG 07/09/12/14/18 KSLAP	ARXG 07KLLAP	AOEG 36KBTA5
		R410A																ARYG 60LHTA	ARYG 72/90LHTA								AOYG 45LBLA6
Controllers	Wired remote controller		● UTY-RVRY+ UTY-TWRXZ2.								● UTY-RVRY				● UTY-RVRY				● UTY-RVRY	● UTY-RVRY+ UTY-TWRXZ3	● UTY-RVRY		● UTY-RVRY+ UTY-TWRXZ2	● UTY-RVRY			
			● UTY-RNRYZ5+ UTY-TWRXZ2								● UTY-RNRYZ5				● UTY-RNRYZ5				● UTY-RNRYZ5	● UTY-RNRYZ5+ UTY-TWRXZ3	● UTY-RNRYZ5		● UTY-RNRYZ5+ UTY-TWRXZ2	● UTY-RNRYZ5			
			● UTY-RLRY+ UTY-TWRXZ2								● UTY-RLRY				● UTY-RLRY				● UTY-RLRY	● UTY-RLRY+ UTY-TWRXZ3	● UTY-RLRY		● UTY-RLRY+ UTY-TWRXZ2	● UTY-RLRY			
			● UTY-RCRYZ1+ UTY-TWRXZ2								● UTY-RCRYZ1				● UTY-RCRYZ1				● UTY-RCRYZ1	● UTY-RCRYZ1+ UTY-TWRZX3	● UTY-RCRYZ1		● UTY-RCRYZ1+ UTY-TWRXZ2	● UTY-RCRYZ1			
											● UTY-RVNYM		● UTY-RVNYM		● UTY-RVNYM		● UTY-RVNYM							● UTY-RVNYM			
											● UTY-RNNYM		● UTY-RNNYM		● UTY-RNNYM		● UTY-RNNYM							● UTY-RNNYM			
	Simple remote controller	Nonpolar 2-core type	● UTY-RSRY UTY-RHRY+ UTY-TWRXZ2								● UTY-RSRY UTY-RHRY				● UTY-RSRY UTY-RHRY				● UTY-RSRY UTY-RHRY	● UTY-RSRY UTY-RHRY+ UTY-TWRXZ3	● UTY-RSRY UTY-RHRY		● UTY-RSRY UTY-RHRY+ UTY-TWRXZ2	● UTY-RSRY UTY-RHRY			
	Home central remote controller																											● UTY-DMMYM1*3 (KBTA5) UTY-DMMYM*3 (LBLA6)
	Wireless remote controller										● UTY-LNTY													● UTY-LNTY			
	IR receiver unit with Wireless remote controller	For Duct type															● UTY-LRHYM											
		For Duct type / For Cassette type / For Ceiling type										● UTY-LBTYC			● UTY-LBTYM				● UTY-LBTYM		● UTY-LBTYH				● UTY-LBTYM		

*There are no optional parts for the KL Series.

*1: Available only when the WLAN adapter (UY-TFSXF2) is removed. *2 Available only when the WLAN adapter (UTY-TFSXZ1) is removed.

*3 Consult your dealer for conditions of use.

Controller system list (available) for Split/Multi-split

Controller Options/Accessories:

Type		Refrigerant	Indoor unit																															
			Wall-mounted									Cassette			Duct							Floor	Ceiling	Multi-split										
			Designer Range		Standard Range			ECO Range				Compact 4-way flow Range	Circular flow Range	Slim	Medium static pressure (High-Efficiency & Comfort)	Medium static pressure (Compact)	Medium static pressure (Standard)	High static pressure		BIG			Wall-mounted		Compact cassette	Mini duct	Slim duct							
		R32	ASEH07/09/12/14KGTG, ASYG07/09/12/14KGTF, ASYG07/09/12/14KGTE	ASEG 07/09/12/14 KETF, KETF-B ASYG 07/09/12/14 KETE, KETE-B	ASEH07/09/12/14KMCG, ASYG07/09/12/14KMCF, ASYG07/09/12/14KMCE	ASEG 18/24KMTE	ASEH 30/36KMTB	ASEH 07/09/12 KNCA	ASEG 07/09/12 KPCE	ASEH 07/09/12 KLTA	ASEG 18/24KLCA	AUXG 09/12/14/ 18/22/24 KVLA	AUXG 18/22/24/30/ 36/45/54 KRLB	ARXG 09/12/14/18 KLLAP	ARXH 12/14/18 22/24/30/ 36/45/54 KMTAP	ARXG 12/14/18/ 22/24/30/ 36/45/54 KHTAP	ARXG22KMLB, ARXG 24/30/36/45 KMLA	ARXG 45/54KHTB	ARYG 60LHTA	ARYG 72/90LHTA	AGEG 09/12/14 KVCA	ABEG 18/22/24/30/ 36/45/54 KRTA	ASEH 05KNCA	ASEG 22KMTE	AUXG 07KVLA	ARXG 07/09/12/14/18 KSLAP	ARXG 07KLLAP							
		R410A																																
Interfaces	MODBUS® Converter		● UTY-VMSX									● UTY-VMSX			● UTY-VMSX					● UTY-VMSX		● UTY-VMSX	● UTY-VMSX		● UTY-VMSX*1	● UTY-VMSX							
	MODBUS® interface	3-wire RC-line type / CN connector type	● FG-AC-MBS1Z1									● FG-RC-MBS1Z1 FG-AC-MBS1Z1			● FG-RC-MBS1Z1 FG-AC-MBS1Z1			● FG-AC-MBS1Z1	● FG-RC-MBS1Z1	● FG-RC-MBS1Z1 FG-AC-MBS1Z1		● FG-AC-MBS1Z1		● FG-AC-MBS1Z1	● FG-RC-MBS1Z1 FG-AC-MBS1Z1							
		IR type	● FG-IR-BMG1Z1										● FG-IR-BMG1Z1+ UTY-LBTYC		● FG-IR-BMG1Z1+ UTY-LBTYM				● FG-IR-BMG1Z1+ UTY-LRHYM		● FG-IR-BMG1Z1	● FG-IR-BMG1Z1+ UTY-LBTYH	● FG-IR-BMG1Z1		● FG-IR-BMG1Z1+ UTY-LBTYM							
	KNX® converter		● UTY-VKSX									● UTY-VKSX			● UTY-VKSX					● UTY-VKSX		● UTY-VKSX	● UTY-VKSX		● UTY-VKSX*1	● UTY-VKSX							
	KNX® interface	3-wire RC-line type / CN connector type	● FG-AC-KNX1Z1									● FG-RC-KNX1Z1 FG-AC-KNX1Z1			● FG-RC-KNX1Z1 FG-AC-KNX1Z1			● FG-AC-KNX1Z1	● FG-RC-KNX1Z1	● FG-RC-KNX1Z1 FG-AC-KNX1Z1		● FG-AC-KNX1Z1		● FG-AC-KNX1Z1	● FG-RC-KNX1Z1 FG-AC-KNX1Z1							
		IR type	● FG-IR-KNX1Z1										● FG-IR-KNX1Z1+ UTY-LBTYC		● FG-IR-KNX1Z1+ UTY-LBTYM			● FG-AC-KNX1Z1+ UTY-LBTYM	● FG-IR-KNX1Z1+ UTY-LRHYM		● FG-IR-KNX1Z1	● FG-IR-KNX1Z1+ UTY-LBTYH	● FG-IR-KNX1Z1		● FG-IR-KNX1Z1+ UTY-LBTYM							
	WLAN adapter	3-wire RC-line type*3 / CN connector type										● UTY-TFSXJ3 UTY-TFSXZ1			● UTY-TFSXJ3 UTY-TFSXZ1				● UTY-TFNXZ1	● UTY-TFSXJ3 UTY-TFSXZ1					● UTY-TFSXJ3 UTY-TFSXZ1							
		USB type*3	● Accessory (KGTG, KGTF, KETF, KETF-B, KMCG, KMCF) UTY-TFSXH3,UTY-TFSXF2 (KGTE, KETE, KETE-B, KMCE)			● UTY-TFSXH3 UTY-TFSXF2		● Accessory		● UTY-TFSXH3 UTY-TFSXF2												● Accessory	● UTY-TFSXH3 UTY-TFSXF2							
		3-wire RC-line type / CN connector type	● FG-AC-WIF1Z1									● FG-RC-WIF1Z2 FG-AC-WIF1Z1			● FG-RC-WIF1Z2 FG-AC-WIF1Z1			● FG-AC-WIF1Z1	● FG-RC-WIF1Z2	● FG-RC-WIF1Z2 FG-AC-WIF1Z1		● FG-AC-WIF1Z1		● FG-AC-WIF1Z1	● FG-RC-WIF1Z2 FG-AC-WIF1Z1							
		IR type	● FG-IR-WIF1Z1										● FG-IR-WIF1Z1+ UTY-LBTYC		● FG-IR-WIF1Z1+ UTY-LBTYM				● FG-IR-WIF1Z1+ UTY-LRHYM		● FG-IR-WIF1Z1	● FG-IR-WIF1Z1+ UTY-LBTYH	● FG-IR-WIF1Z1		● FG-IR-WIF1Z1+ UTY-LBTYM							
		3-wire RC-line type / CN connector type	● FG-AC-WMP1Z1									● FG-RC-WMP1Z1 FG-AC-WMP1Z1			● FG-RC-WMP1Z1 FG-AC-WMP1Z1			● FG-AC-WMP1Z1	● FG-RC-WMP1Z1	● FG-RC-WMP1Z1 FG-AC-WMP1Z1		● FG-AC-WMP1Z1		● FG-AC-WMP1Z1	● FG-RC-WMP1Z1 FG-AC-WMP1Z1							
		IR type	● FG-IR-WMP1Z1										● FG-IR-WMP1Z1+ UTY-LBTYC		● FG-IR-WMP1Z1+ UTY-LBTYM				● FG-IR-WMP1Z1+ UTY-LRHYM		● FG-IR-WMP1Z1	● FG-IR-WMP1Z1+ UTY-LBTYH	● FG-IR-WMP1Z1		● FG-IR-WMP1Z1+ UTY-LBTYM							
	External switch controller		● UTY-TERX+UTY-TWRXZ2									● UTY-TERX			● UTY-TERX					● UTY-TERX		● UTY-TERX+ UTY-TWRXZ3	● UTY-TERX		● UTY-TERX+ UTY-TWRXZ2	● UTY-TERX							
	Network converter for single-split type	DC power supply type / AC power supply type	● UTY-VTGX+UTY-TWRXZ2 or UTY-VTGXV+UTY-TWRXZ2									● UTY-VTGX UTY-VTGXV			● UTY-VTGX UTY-VTGXV					● UTY-VTGX+ UTY-TWRXZ3 UTY-VTGXV+ UTY-TWRXZ3		● UTY-VTGX+ UTY-TWRXZ3 UTY-VTGXV+ UTY-TWRXZ3	● UTY-VTGX UTY-VTGXV		● UTY-VTGX+ UTY-TWRXZ2 or UTY-VTGXV+ UTY-TWRXZ2	● UTY-VTGX UTY-VTGXV							

*There are no optional parts for the KL Series.

*1: Available only when the WLAN adapter (UY-TFSXF2) is removed. *2 Available only when the WLAN adapter (UTY-TFSXZ1) is removed.

*3: For compatibility of the new WLAN adapters with the indoor units which are not listed in this catalogue, please refer to page C-021.

Controller system list (available) for VRF

Controller Options:

Type	Refrigerant	Indoor unit																						
		Cassette						Duct				Duct			Floor		Ceiling/ Floor	Ceiling	Wall-mounted					
		One-way flow	3D flow	Compact Grid type/Standard type		Slim type	Large type	Low static pressure duct				Low static pressure duct	Medium static pressure	High static pressure	-	External EEV			-	External EEV	-	External EEV	-	-
					High Efficiency	Circular flow		Mini (With drain pump)	Slim (With drain pump)		High Efficiency	High Efficiency	Normal	Normal										
	R32			AUXB 004/005/007/ 009/012/014/ 018HLAH	AUXN 009/012/014 HLAH					ARXD 004/005/007/ 009/012/014/ 018/024 HLAH	ARXP 009/012/014 HLAH								ASYA 004/005/007/ 009/012/014 HCAH	ASYE 004/005/007/ 009/012/014 HCAH				
	R410A	AUXV 004/007/009/ 012/014/018/ 024GLEH	AUXS 018/024 GLEH	AUXB 004/007/009/ 012/014/018/ 024GLEH		AUXM 018/024/030 GLEH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLGH	ARXD 04GALH	ARXD 007/009/012/ 014/018/024 GLEH		ARXP 018/030 GLFH	ARXA 024/030/ 036/045 GLEH	ARXC 036/045/060/ 072/090/096 GTEH	AGYA 004/007/ 009/012/014 GCGH	AGYE 004/007/ 009/012/014 GCEH	ABYA 012/014/ 018/024 GTEH	ABYA 030/036/ 045/054 GTEH	ASYA 004/007/009 GCGH	ASYE 004/007/009 GCEH	ASYA 012/014GCGH	ASYE 012/014GCEH	ASYA 18/24GBCH	ASYA 030/034GTEH
Controllers																								
Wired remote controller						● UTY-RVRY												● UTY-RVRY						
						● UTY-RNRYZ5												● UTY-RNRYZ5						
						● UTY-RLRY												● UTY-RLRY						
						● UTY-RCRYZ1												● UTY-RCRYZ1						
Simple remote controller	Nonpolar 2-core type					● UTY-RSRY UTY-RHRY												● UTY-RSRY UTY-RHRY						
Wireless remote controller	UTY-LNVY UTY-LNHY					● UTY-LNVY UTY-LNHY												● UTY-LNVY UTY-LNHY						
IR receiver unit		● UTY-TRHX			● UTY-LBHXD		● UTY-TRHX	● UTB-YWC	● UTY-TRHX			● UTY-TRHX												
Central remote controller						● UTY-DCGYZ3												● UTY-DCGYZ3						
Touch panel controller						● UTY-DTGYZ1												● UTY-DTGYZ1						
System controller, System controller Lite						● UTY-APGXZ1, UTY-ALGXZ1												● UTY-APGXZ1, UTY-ALGXZ1						

Controller system list (available) for VRF

Controller Options:

Type		Refrigerant	Indoor unit																									
			Cassette						Duct						Duct			Floor		Ceiling/ Floor	Ceiling	Wall-mounted						
			One-way flow	3D flow	Compact Grid type/Standard type		Slim type / Circular flow	Large type / Circular flow	Low static pressure duct Mini (With drain pump)	Low static pressure duct Slim (With drain pump)			Low static pressure duct High Efficiency	Low static pressure duct	Medium static pressure Normal	High static pressure Normal	–	external EEV			–	external EEV	–	external EEV	–	–
						High Efficiency						High Efficiency		High Efficiency														
		R32			AUXB 004/005/007/ 009/012/014/ 018HLAH	AUXN 009/012/014 HLAH					ARXD 004/005/007/ 009/012/014/ 018/024 HLAH	ARXP 009/012/014 HLAH									ASYA 004/005/007/ 009/012/014 HCAH	ASYE 004/005/007/ 009/012/014 HCAH				
		R410A	AUXV 004/007/009/ 012/014/018/ 024GLEH	AUXS 018/024 GLEH	AUXB 004/007/009/ 012/014/018/ 024GLEH		AUXM 018/024/030 GLEH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLGH	ARXD 04GALH	ARXD 007/009/012/ 014/018/024 GLEH			ARXP 018/030 GLFH	ARXA 024/030/ 036/045 GLEH	ARXC 036/045/060/ 072/090/096 GTEH	AGYA 004/007/ 009/012/014 GCGH	AGYE 004/007/ 009/012/014 GCEH	ABYA 012/014/ 018/024 GTEH	ABYA 030/036/ 045/054 GTEH	ASYA 004/007/009 GCGH	ASYE 004/007/009 GCEH	ASYA 012/014GCGH	ASYE 012/014GCEH	ASYA 18/24GBCH	ASYA 030/034GTEH
Interfaces	BACnet® gateway		● UTY-ABGXZ1, UTY-VBGX																● UTY-ABGXZ1, UTY-VBGX								
		CN connector type	● FG-AC-BAC1Z1								● FG-AC-BAC1Z1							● FG-AC-BAC1Z1							● FG-AC-BAC1Z1	
		IR type	● FG-IR-BMG1Z1+ UTY-TRHX		● FG-IR-BMG1Z1		● FG-IR-BMG1Z1+ UTY-LBHXD		● FG-IR-BMG1Z1+ UTY-TRHX	● FG-IR-BMG1Z1+ UTB-YWC	● FG-IR-BMG1Z1+ UTY-TRHX			● FG-IR-BMG1Z1+ UTY-TRHX				● FG-IR-BMG1Z1								
	Network converter for LonWorks™		● UTY-VLGX																● UTY-VLGX								
	MODBUS® Converter		● UTY-VMSX								● UTY-VMSX							● UTY-VMSX							● UTY-VMSX	
			● UTY-VMGX FG-TL-MBS16Z1																● UTY-VMGX FG-TL-MBS16Z1								
	MODBUS® interface	3-wire RC-line type / CN connector type	● FG-AC-MBS1Z1							● FG-RC-MBS1Z1	● FG-AC-MBS1Z1							● FG-AC-MBS1Z1							● FG-RC-MBS1Z1	● FG-AC-MBS1Z1
		IR type	● FG-IR-BMG1Z1+ UTY-TRHX		● FG-IR-BMG1Z1		● FG-IR-BMG1Z1+ UTY-LBHXD		● FG-IR-BMG1Z1+ UTY-TRHX	● FG-IR-BMG1Z1+ UTB-YWC	● FG-IR-BMG1Z1+ UTY-TRHX			● FG-IR-BMG1Z1+ UTY-TRHX				● FG-IR-BMG1Z1								
	KNX® converter		● UTY-VKSX								● UTY-VKSX							● UTY-VKSX							● UTY-VKSX	
			● UTY-VKGX FG-TL-KNX16Z1																● UTY-VKGX FG-TL-KNX16Z1								
	KNX® interface	3-wire RC-line type / CN connector type	● FG-AC-KNX1Z1							● FG-RC-KNX1Z1	● FG-AC-KNX1Z1							● FG-AC-KNX1Z1							● FG-RC-KNX1Z1	● FG-AC-KNX1Z1
		IR type	● FG-IR-KNX1Z1+ UTY-TRHX		● FG-IR-KNX1Z1		● FG-IR-KNX1Z1+ UTY-LBHXD		● FG-IR-KNX1Z1+ UTY-TRHX	● FG-IR-KNX1Z1+ UTB-YWC	● FG-IR-KNX1Z1+ UTY-TRHX			● FG-IR-KNX1Z1+ UTY-TRHX				● FG-IR-KNX1Z1								
	WLAN adapter	CN connector type*1	● UTY-TFSXJ3 UTY-TFSXZ1					● UTY-TFSXJ3 UTY-TFSXZ1 (007-024)			● UTY-TFSXJ3 UTY-TFSXZ1							● UTY-TFSXJ3 UTY-TFSXZ1							● UTY-TFSXJ3 UTY-TFSXZ1	
		3-wire RC-line type / CN connector type	● FG-AC-WIF1Z1							● FG-RC-WIF1Z2	● FG-AC-WIF1Z1							● FG-AC-WIF1Z1							● FG-RC-WIF1Z2	● FG-AC-WIF1Z1
		IR type	● FG-IR-WIF1Z1+ UTY-TRHX		● FG-IR-WIF1Z1		● FG-IR-WIF1Z1+ UTY-LBHXD		● FG-IR-WIF1Z1+ UTY-TRHX	● FG-IR-WIF1Z1+ UTB-YWC	● FG-IR-WIF1Z1+ UTY-TRHX			● FG-IR-WIF1Z1+ UTY-TRHX				● FG-IR-WIF1Z1								
		3-wire RC-line type / CN connector type	● FG-AC-WMP1Z1							● FG-RC-WMP1Z1	● FG-AC-WMP1Z1							● FG-AC-WMP1Z1							● FG-AC-WMP1Z1	
		IR type	● FG-IR-WMP1Z1+ UTY-TRHX		● FG-IR-WMP1Z1		● FG-IR-WMP1Z1+ UTY-LBHXD		● FG-IR-WMP1Z1+ UTY-TRHX	● FG-IR-WMP1Z1+ UTB-YWC	● FG-IR-WMP1Z1+ UTY-TRHX			● FG-IR-WMP1Z1+ UTY-TRHX				● FG-IR-WMP1Z1								
	External switch controller		● UTY-TERX																● UTY-TERX								

*1: For compatibility of the new WLAN adapters with the indoor units which are not listed in this catalogue, please refer to page C-021.

Optional parts Overview

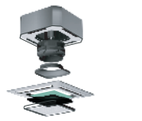
For Split & Multi-split, VRF

A variety of optional parts are available to enable installation of the selected indoor unit properly according to the environment.

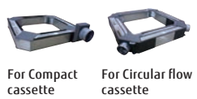
Optional Parts
For Cassette

Human sensor kit
A built-in thermo sensor monitors and controls room temperature accurately.

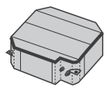
Cassette grille
A lineup of cassette grills that match a variety of interiors. A grid ceiling-type cassette grille has been added to the lineup.



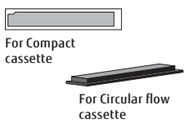
Silver ion filter
The Silver ion filter helps to keep indoor air free from viruses, bacteria and molds.*



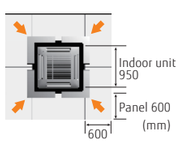
Fresh air intake kit
Fresh air can be taken in by a fan connected to an external control unit.



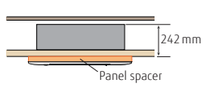
Insulation kit for high humidity
Insulation kit for high humidity is used when the installation location is in a high humidity environment.



Air outlet shutter plate
Airflow directions can be changed to 3 directions using the Air outlet shutter plate depending on the installation location.



Wide Panel
When a cassette type is installed in a narrow space in the ceiling, the wide panel fills in that space.



Panel spacer
If the ceiling space is tight and the main body protrudes from the ceiling surface, a panel spacer can be used as a decorative trim.

Optional Parts
For V-IV

Pressure sensor kit
When installed, the height difference between the outdoor unit and indoor unit can be allowed up to 110 m.

Optional Parts
For R32 VRF products

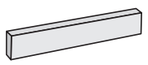
NEW

Gas Sensor kit
Used to ensure standards compliance and safety when R32 VRF products are installed.

NEW

Expansion kit
Connect to indoor units to expand the number of inputs and outputs when using multiple safety devices or external input / output functions.

Optional Parts
For Floor



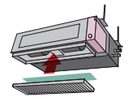
Half concealed kit
Used to half conceal a floor type indoor unit in the wall.

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

Optional Parts
For Duct & Ceiling

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

Remote sensor unit
The remote sensor provides additional convenience.



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

Long-life filter
Captures grit and dust. Long-life design with consideration of running costs.

Flange
Flanges are used when connecting a medium static pressure duct type and a ceiling type with air intake and exhaust ducts.

Drain pump unit
Drains water that has accumulated during operation.

Connection Parts

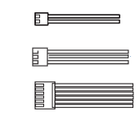
For wall-mounted type

Communication kit
Required for a wall-mounted type when the External connect kit set or a Wired remote controller is connected to the indoor unit.

For wall-mounted type

For Duct type and Cassette type

External input and output PCB
For Wall-mounted, Duct, or Cassette type, these parts are required when the external input and output function is used.



External connect kit & set
Connect the printed circuit board (PCB) to external devices.

Connection Units
Connection units are available to separate the pipes when connecting multiple indoor units in a Multi-split type or VRF system.

External power supply unit
The External power supply unit protects the increment in the system even if the power supply for some of the indoor units is shut down.

External input and output PCB box & bracket
Box and bracket for installing the External input and output PCB.

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

Silver Ion Filter

UTR-FA16-5 / UTR-FA13-3 / UTR-FA03-5 / UTD-HFAA / UTD-HFRA / UTD-HFTA / UTD-HFTB / UTD-HFTC / UTD-HFNC / UTD-HFNB / UTD-HFNA / UTD-HFND / UTD-HFKB / UTD-HFKA

For Wall mounted / Floor
UTR-FA16-5 / UTR-FA13-3
UTR-FA03-5

For Cassette
UTD-HFAA / UTD-HFRA

For Duct
UTD-HFTA / UTD-HFTB
UTD-HFTC / UTD-HFNC
UTD-HFNB / UTD-HFNA
UTD-HFND / UTD-HFKB
UTD-HFKA

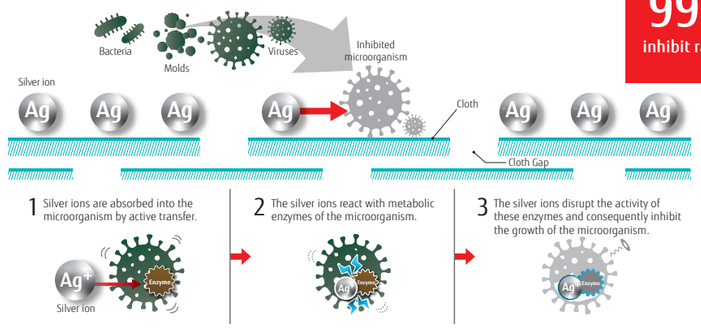
The Silver ion filter helps to keep indoor air free from viruses, bacteria and molds.

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

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

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

99 % inhibit rate*1



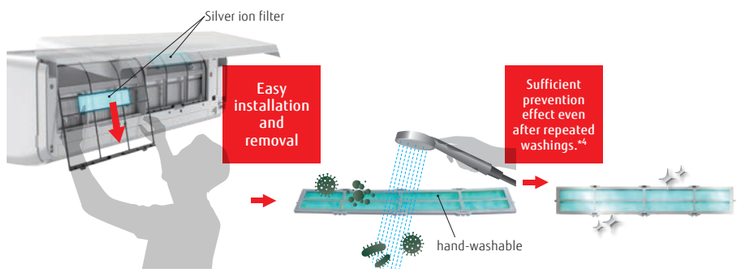
*1 [Testing organization] Kitasato Research Center for Environmental Science [Test Report] No. 2020_0408 [Test virus] Escherichia coli phage Qbeta NBRC 20012 (1 type) [Test Method] Based on the antiviral test method for textile products (JIS L 1922)
[Test results] Inhibited by at least 99% in 24 hours.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

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

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

The filter is easily removable* and hand-washable.

(*Wall mounted and floor models only)



*4 Hand-washing or vacuuming by 3 months is recommended. Cleaning frequency varies depending on the environment of use.

Specifications

Model name		For Wall mounted / Floor			for Cassette	
		UTR-FA16-5	UTR-FA13-3	UTR-FA03-5	UTD-HFAA	UTD-HFRA
Net Dimension (H × W × D)	mm	35 × 210 × 6	50 × 364 × 6	43 × 272 × 6	350 × 125 × 6	550 × 136 × 6
Weight	g	2	2	2	7	23
Quantity		2	2	2	1	1

Model name		for Duct								
		UTD-HFTA	UTD-HFTB	UTD-HFTC	UTD-HFNC	UTD-HFNB	UTD-HFNA	UTD-HFND	UTD-HFKB	UTD-HFKA
Net Dimension (H × W × D)	mm	290 × 70 × 6	390 × 70 × 6	290 × 70 × 6 390 × 70 × 6	620 × 88 × 6	420 × 88 × 6	620 × 88 × 6	500 × 79 × 6	420 × 125 × 6	620 × 108 × 6
Weight	g	6	8	10	8	10	16	12	16	20
Quantity		2	2	3	1	2	2	2	2	2

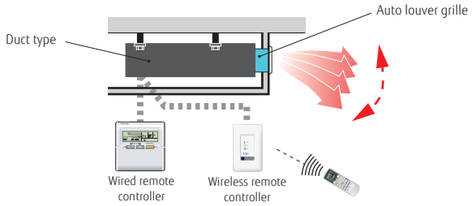
Auto louver grille kit

UTD-GXTA-W / UTD-GXTB-W / UTD-GXTC-W

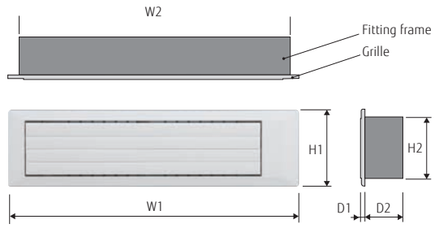
The optional clean-looking flat Auto louver grille kit blends into any interior and provides a comfortable airflow.

Flexible Control

- The Auto louver grille of the indoor unit can be operated in conjunction with the remote control of the indoor unit.
- **Vertical auto swing**
  - Auto airflow direction and auto swing
  - 4 steps selectable
- **Auto-closing louver**
  The louvers will automatically close when the indoor unit stops operating.



Dimensions



Unit: mm

Model name	W1	W2	H1	H2	D1	D2
UTD-GXTA-W	683	645	180	148	9	84
UTD-GXTB-W	883	845				
UTD-GXTC-W	1,083	1,045				

Specifications

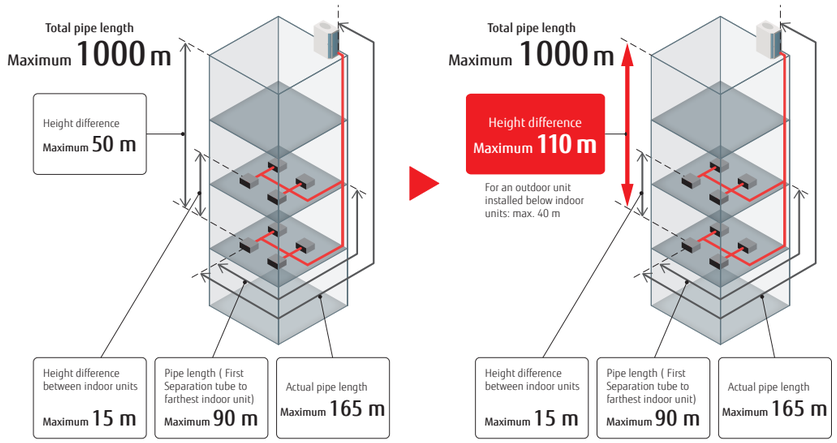
Model name			UTD-GXTA-W	UTD-GXTB-W	UTD-GXTC-W
Applicable indoor unit	SPLIT & MULTI-SPLIT		ARYG07/09LLTA ARXG07/09/12/14KSLAP ARXG07/09/12/14KLLAP ARYG07/09LSLAP	ARXG18KSLAP ARXG18KLLAP	
	VRF		ARXD007/009/012/014GLEH ARXK004/007/009/012/014GLGH ARXD04GALH ARXD004/005/007/009/012/014HLAH ARXP009/012/014HLAH	ARXD018GLEH ARXD018HLAH ARXK018GLGH	ARXD024GLEH ARXD024HLAH ARXK024GLGH
Power supply			Connecting with Control box of indoor unit		
Fixing Auto louver grille			Screwed to Flange or Square duct		
Extension Square duct limit			1.0 m (Max. duct length between indoor unit and Auto louver grille)		
Net Dimensions (H × W × D)		mm	180 × 683 × (84 + 9)	180 × 883 × (84 + 9)	180 × 1,083 × (84 + 9)
Weight	Net	kg (lbs)	2.0 (4.4)	2.5 (5.6)	3.0 (6.7)
Accessories			Fitting Flame, etc.		
Operating range	Cooling	°C	18 to 32		
		% RH	80 % or less		
	Heating	°C	16 to 30		

Pressure sensor kit

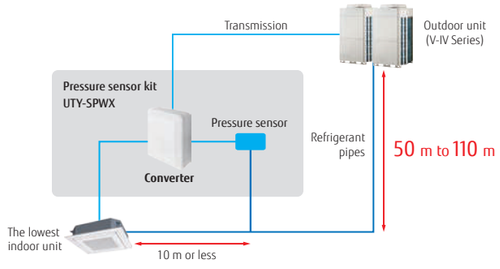
UTY-SPWX

Design flexibility

The height difference between the outdoor unit and the indoor unit is normally 50 m for the V-IV Series, but can be extended to 110 m by installing the Pressure sensor kit.
(Can only be connected to the V-IV Series. Also, it can only be connected to outdoor units using outdoor unit software compatible with the product.)



System overview



Pressure sensor kit

Pressure sensor kit (Converter)	Refrigerant pressure sensor	Joint pipe

Specifications

Model name	UTY-SPWX
Power supply	9 to 16 V DC
Dimensions (H × W × D) (mm)	140 × 117 × 43
Weight (g)	200

External power supply unit

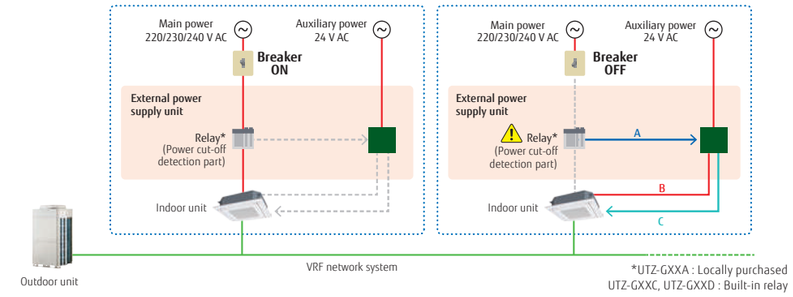
UTZ-GXXA / UTZ-GXXC / UTZ-GXXD

The External power supply unit protects the increment in the system even if the power supply for some of the indoor units is shut down.

Connects to the External power supply unit to supply power to the indoor unit from the auxiliary power supply. This allows for continuous operation without system errors.
Built-in relays reduce installation time and cost.
The UTZ-GXXC and UTZ-GXXD have a built-in relay, which reduces installation time and cost.

High reliability

- A: Interruption of the main power supply is detected by the power cut-off detection part.
- B: Supplies power for driving the expansion valve of the indoor unit. (12 V or 5 V DC)
- C: Gives notification of the power supply from the External power supply unit.



Note

- When changing the power supply voltage to 24 V AC, use a power transformer with an insulated structure that complies with the regulations* of the installation region.
- A powered-off indoor unit driven by the External power supply unit is treated in the same way as an operation-off unit in the electricity charge appointment function. If standby power is generated, the result of the electricity charge appointment may not be zero.

* UL Class II or IEC 61558 Class III, for example.

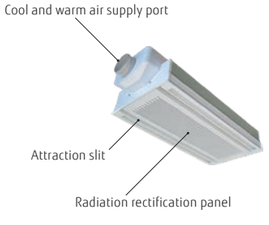
Specifications

Model name	UTZ-GXXA	UTZ-GXXC	UTZ-GXXD
Power supply	24 V AC 50/60 Hz		
Dimensions (H × W × D) (mm)	97 × 200 × 178		
Weight (g)	800		

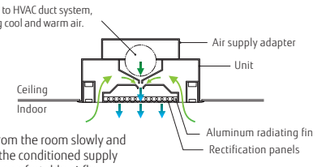
AIR BEAM
Radiation air outlet unit

*Production by order
Contact us for more details.

Key component



Cross-section view



Draws in air from the room slowly and mixes it with the conditioned supply air to create a comfortable airflow.

Built-in aluminum heat-dissipating fins and rectification panels help to disperse and rectify airflow.

Airflow rate (m^3/h)	180 (160-215)	270 (240-325)
Grid	600 × 2	600 × 3
AIR BEAM For system ceiling (Integrated type)	KS-180	KS-270

Gas sensor kit

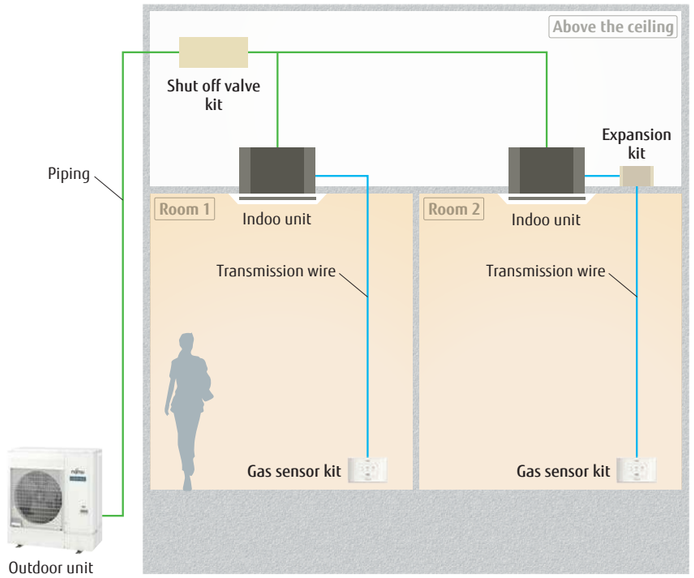
UTY-SGZY

NEW

Enhanced disaster safety measures

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

For Example: Total pipe length 120m



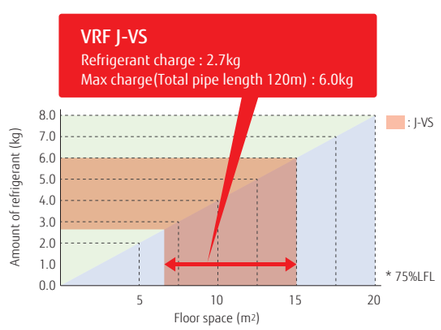
Shut off valve kit
UTP-GX027A, UTP-GX060A
Block the path to prevent refrigerant flow in the event of a refrigerant leakage.

Gas sensor kit
UTY-SGZY
Gas Sensor kit Used to ensure standards compliance and safety when R32 VRF products are installed.

Expansion kit
UTZ-JXXA*
Used to ensure standards compliance and safety when R32 VRF products are installed.
*Connection cable (UTY-XWZXZL) is required.

Conditions requiring safety measures

The graph below will help you determine if a safety design is required when installing R32 VRF products.The amount of refrigerant in a refrigerant system determines the floor area, and if the room to be conditioned by the system is less than that area, a "shut off valve kit" and a "gas sensor kit" must be installed.



Features: Gas sensor kit

Refrigerant leak detector connection pattern

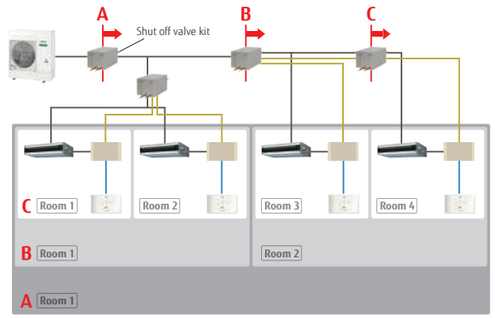
1) Corresponds to the case where the classification of air conditioner installation differs from property to property.

Installation position of "Shut off valve kit"

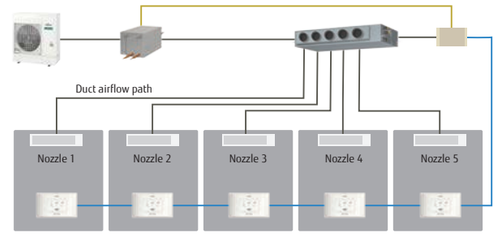
A Indoor unit 1~4 in one room

B Indoor units 1, 2 and 3, 4, if they are set up in two separate rooms.

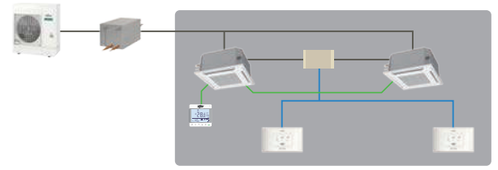
C Indoor units 1~4 are installed in different rooms.



2) Multiple rooms or areas are air conditioned using ducted airflow paths



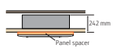
3) When operating multiple indoor units with a remote control group



Specifications

Model name	UTY-SGZY
Dimensions (H × W × D) (mm)	80 × 130 × 35
Weight (g)	500

Optional parts list for Split/Multi-split

Type	Refrigerant	Indoor unit																						
		Wall-mounted									Cassette	Cassette	Duct					Duct	Floor	Ceiling	Multi-split		
		Designer Range		Standard Range		ECO Range					4-way flow Compact	Circular flow	Slim	Medium static pressure (High-Efficiency & Comfort)	Medium static pressure (Compact)	Medium static pressure (Standard)	High static pressure	Big			4-way flow Compact cassette	Mini duct	Slim duct
	R32	ASEH07/09/12/14KGTG, ASYG07/09/12/14KGTF, ASYG07/09/12/14KGTE	ASEG 07/09/12/14 KETF, KETF-B ASYG 07/09/12/14 KETE, KETE-B	ASEH07/09/12/14KMCG, ASYG07/09/12/14KMCF, ASYG07/09/12/14KMCE	ASEG 18/24KMTE	ASEH 30/36KMTB	ASEH 05/07/09/12 KNCA	ASEG 07/09/12 KPCE	ASEH 07/09/12 KLTA	ASEG 18/24KLCA	AUXG 09/12/14/ 18/22/24 KVLA	AUXG 18/22/24/ 30/36/45/54 KRLB	ARXG 09/12/14/18 KLLAP	ARXH 12/14/18/ 22/24/30/ 36/45/54 KMTAP	ARXG 12/14/18/22/ 24/30/36/45/54 KHTAP	ARXG22KMLB, ARXG 24/30/36/45 KMLA	ARXG45/54KHTB		AGEG 09/12/14 KVCA	ABEG 18/22/24/30/ 36/45/54 KRTA	AUXG07KVLA	ARXG 07/09/12/14/18 KSLAP	ARXG07KLLAP
	R410A																ARYG60LHTA	ARYG72/90LHTA			AUYG07/09LVLA	ARYG07/09LSLAP	ARYG07/09LLTA
Human sensor kit												● UTY-SHZXC											
Remote sensor unit	The remote sensor provides additional convenience.												● UTY-XSZXZ1									● UTY-XSZXZ1	
Cassette grille	UTG-UFYF-W UTG-UKYA-W UTG-UFYD-W UTG-UKYC-W UTG-UKYA-B										● UTG-UFYF-W	● UTG-UKYA-W, UTG-UKYC-W, UTG-UKYA-B									● UTG-UFYF-W (KVLA), UTG-UFYD-W (LVLA)		
Auto louver grille kit													● UTD-GXTA-W (09/12/14) UTD-GXTB-W (18)									● UTD-GXTA-W (07/09/12/14), UTD-GXTB-W (18)	
Silver ion filter		● UTR-FA16-5				● UTR-FA13-3	● UTR-FA16-5				● UTD-HFAA	● UTD-HFRA	● UTD-HFTA (09/12/14) UTD-HFTB (18)	● UTD-HFNC (12/14/18) UTD-HFNB (22/24), UTD-HFNA (30/36/45/54)	● UTD-HFNC (12/14) UTD-HFNB (18/22/24/30) UTD-HFNA (36/45/54)	● UTD-HFND	● UTD-HFKB (45/54)	● UTD-HFKA	● UTR-FA03-5		● UTD-HFAA	● UTD-HFTA (07/09/12/14) UTD-HFTB (18)	● UTD-HFTA
Long-life filter														● UTD-LFDC (12/14/18) UTD-LFDB (22/24), UTD-LFDA (30/36/45/54)	● UTD-LFNA (36/45/54) UTD-LFNB (18/22/24/30) UTD-LFNC (12/14)	● UTD-LF25NA	● UTD-LF60KA (45/54)	● UTD-LFKA					
Flange																● UTD-SF045T UTD-RF204							
Drain pump unit																● UTZ-PX1NBA		● UTD-PX1NAB		● UTR-DPB24T			
Wide Panel												● UTG-AKXA-W											
Panel spacer												● UTG-BKXA-W											
Fresh air intake kit	For Compact cassette For Circular flow cassette										● UTZ-VXAA	● UTZ-VXRA									● UTZ-VXAA		
Air outlet shutter plate	For Compact cassette For Circular flow cassette										● UTR-YDZB	● UTR-YDZK									● UTR-YDZB		
Insulation kit for high humidity											● UTZ-KXGC	● UTZ-KXRA									● UTZ-KXGC		
Half concealed kit	Used to half conceal a floor type indoor unit in the wall.																		● UTR-STA				
L-type piping kit																				● UTP-FX24A (18/22/24) UTP-FX35A (30/36/45/54)			

Optional parts list for VRF

Type	Refrigerant	Indoor unit: Cassette: One-way flow	Cassette: 3D flow	Cassette: Compact grid type/ Standard type	Cassette: Compact grid type/ Standard type: High Efficiency	Cassette: Slim type – Circular flow	Cassette: Large type – Circular flow	Duct: Low static pressure duct: Mini (With drain pump)	Duct: Low static pressure duct: Slim (With drain pump)	Duct: Low static pressure duct: Slim (With drain pump)	Duct: Low static pressure duct: High Efficiency	Duct: Low static pressure duct	Duct: Medium static pressure	Duct: High static pressure	Duct: High static pressure	Floor: –	Floor: external EEV	Floor/Ceiling	Ceiling	Wall-mounted: –	Wall-mounted: external EEV	Wall-mounted: –	Wall-mounted: –	V-IV Series
												High Efficiency	Normal	Normal										
	R32			AUXB 004/005/007/ 009/012/014/ 018HLAH	AUXN 009/012/014 HLAH					ARXD 004/005/007/ 009/012/014/ 018/024 HLAH	ARXP 009/012/014 HLAH									ASYA 004/005/007/ 009/012/014 HCAH	ASYE 004/005/007/ 009/012/014 HCAH			
	R410A	AUXV 004/007/009/ 012/014/018/ 024GLEH	AUXS 018/024GLEH	AUXB 004/007/009/ 012/014/018/ 024GLEH		AUXM 018/024/030 GLEH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLGH	ARXD 04GALH	ARXD 007/009/012/ 014/018/024 GLEH		ARXP 018/030 GLFH	ARXA 024/030/ 036/045 GLEH	ARXC 036/045/060 GTEH	ARXC 072/090/096 GTEH	AGYA 004/007/ 009/012/014 GCGH	AGYE 004/007/ 009/012/014 GCEH	ABYA 012/014/ 018/024 GTEH	ABYA 030/036/ 045/054 GTEH	ASYA 004/007/009 012/014 GCGH	ASYE 004/007/009 012/014 GCEH	ASYA 18/24GBCH	ASYA 030/034GTEH	AJY 072/090/108/ 126/144/162 LALDH
Human sensor kit						● UTY-SHZXC																		
Remote sensor unit		● UTY-XSZXZ1										● UTY-XSZXZ1								● UTY-XSZXZ1				
Cassette grille	UTG-UNYA-W, UTG-UNYB-W, UTG-USYA-W, UTG-UFYC-W, UTG-UKYC-W, UTG-UFYE-W UTG-UFYH-W, UTG-UKYA-B	● UTG-UNYA-W (004-012) UTG-UNYB-W (014-024)	● UTG-USYA-W	● UTG-UFYE-W UTG-UFYC-W UTG-UFYH-W (HLAH)	● UTG-UFYH-W	● UTG-UKYC-W UTG-UKYA-B																		
Auto louver grille kit								● UTD-GXTA-W (4-14), UTD-GXTB-W (18), UTD-GXTC-W (24)																
Silver ion filter				● UTD-HFAA		● UTD-HFRA		● UTD-HFTA (004-014) UTD-HFTB (018) UTD-HFTC (024)	● UTD-HFTA	● UTD-HFTA (007-014) UTD-HFTB (018) UTD-HFTC (024)		● UTD-HFND		● UTD-HFKB		● UTR-FA03-5				● UTR-FA16-5		● UTR-FA13-3		
Long-life filter												● UTD-LF25NA		● UTD-LF60KA										
Flange												● UTD-SF045T UTD-RF204						● UTD-RF204						
Drain Pump Unit												● UTZ-PX1NBA						● UTR-DPB24T						
Wide Panel	Indoor unit 950, Panel 600 (mm)					● UTG-AKXA-W																		
Panel spacer	242 mm, Panel spacer					● UTG-BKXA-W																		
Fresh air intake kit*1	For Compact cassette, For Circular flow cassette			● UTZ-VXAA		● UTZ-VXRA																		
Air outlet shutter plate:	For Compact cassette, For Circular flow cassette			● UTR-YDZB		● UTR-YDZK																		
Insulation kit for high humidity				● UTZ-KXGC		● UTZ-KXRA																		
Half concealed kit																● UTR-STA								
External power supply unit		● UTZ-GXXA UTZ-GXXC		● UTZ-GXXA UTZ-GXXC UTZ-GXXD (HLAH)	● UTZ-GXXD	● UTZ-GXXA UTZ-GXXC				● UTZ-GXXA UTZ-GXXC UTZ-GXXD (HLAH)	● UTZ-GXXD	● UTZ-GXXA UTZ-GXXC								● UTZ-GXXA UTZ-GXXC UTZ-GXXD (HCAH)		● UTZ-GXXA UTZ-GXXC		
Pressure sensor kit																								● UTY-SPWX
Gas sensor kit				● UTY-SGZY (HLAH)	● UTY-SGZY					● UTY-SGZY (HLAH)	● UTY-SGZY									● UTY-SGZY (HCAH)				

Function list for Split/Multi-split

External input and output function/External connect kit/communication kit

| Type | | Refrigerant | Indoor unit | | | | | | | | | | | | | | | | | | | | | | | | Indoor unit | | | | | | | | | | | | | | | | | | |

Function list for VRF

External input and output function/External connect kit

Type		Refrigerant	Indoor unit: Cassette: One-way flow	Cassette: 3D flow	Cassette: Compact grid type/ Standard type	Cassette: Compact grid type/ Standard type: High Efficiency	Cassette: Slim type: Circular flow	Cassette: Large type: Circular flow	Duct: Low static pressure: Mini (With drain pump)	Duct: Low static pressure: Slim (With drain pump)	Duct: Low static pressure: Slim (With drain pump): High Efficiency	Duct: Low static pressure	Duct: Medium static pressure	Duct: High static pressure	Floor: -	Floor: EEV external	Floor/Ceiling	Floor/Ceiling	Indoor unit: Wall-mounted: -	Wall-mounted: EEV external	Wall-mounted: -	Wall-mounted: -	Outdoor unit: J-VS	Outdoor unit: J-IVL	Outdoor unit: J-IV	Outdoor unit: J-IVS	Outdoor unit: V-IV	Outdoor unit: VR-IV	controller: Central remote controller	Other: RB unit
		R32			AUXB 004/005/007/ 009/012/014/ 018HLAH	AUXN 009/012/014 HLAH				ARXD 004/005/007/ 009/012/014/ 018/024 HLAH	ARXP 009/012/014 HLAH								ASYA 004/005/007/ 009/012/014 HCAH	ASYE 004/005/007/ 009/012/014 HCAH			AJY 040/045/054 KCTAH							
		R410A	AUXV 004/007/009/ 012/014/018/ 024GLEH	AUXS 018/024 GLEH	AUXB 004/007/009/ 012/014/018/ 024GLEH		AUXM 018/024/030 GLEH	AUXK 018/024/030/ 034/036/045/ 054GLEH	ARXK 004/007/009/ 012/014/018/ 024GLGH	ARXD 007/009/012/ 014/018/024 GLEH, ARXD 04GALH		ARXP 018/030 GLFH	ARXA 024/030/ 036/045 GLEH	ARXC 036/045/060 072/090/096 GTEH	AGYA 004/007/ 009/012/014 GCGH	AGYE 004/007/ 009/012/014 GCEH	ABYA 012/014/018/ 024GTEH	ABYA 030/036/045/ 054GTEH	ASYA 004/007/009 012/014 GCGH	ASYE 004/007/009 012/014 GCEH	ASYA 18/24GBCH	ASYA 030/034GTEH		AJY 072/090/108/ 126/144/162 LEELDH	AJY 040/045/054 LBLDH, AJY 040/045/054 LELDH	AJY 040/045/054 LCLDH	AJY 072/090/108/ 126/144/162 LALDH	AJY 072/090/108/ 126/144 GALDH	UTY-DCGY23	UTP-RX01AH UTP-RX01BH UTP-RX01CH UTP-RX04BH UTP-RX08AH UTP-RX12AH
Input	Operation/Stop		● UTY-XWZXZD ○ UTY-XWZXZB																● UTY-XWZXZD ○ UTY-XWZXZB											
Input	All On/All Off																											● UTY-XWZXZ7 ○ UTY-XWZXZ8	
Input	Group stop																						● UTY-XWZXZ6						
Input	Forced stop		● UTY-XWZXZD ○ UTY-XWZXZB																● UTY-XWZXZD ○ UTY-XWZXZB											
Input	Emergency stop		● UTY-XWZXZD ○ UTY-XWZXZB																● UTY-XWZXZD ○ UTY-XWZXZB				● UTY-XWZXZ6						● UTY-XWZXZ7 ○ UTY-XWZXZ8	
Input	Forced thermostat off		● UTY-XWZXZE ○ UTY-XWZXZ7																● UTY-XWZXZE ○ UTY-XWZXZ7											
Input	Low noise mode operation																						● UTY-XWZXZ6						
Input	Cooling/ Heating priority																						● UTY-XWZXZ6					● UTY-XWZXZ6 ○ UTY-XWZXZB	
Input	Outdoor unit operation peak control																						● UTY-XWZXZ6						
Input	Power usage information from electricity meter																						● UTY-XWZXZF						
Output	Operation status		● UTY-XWZXZC																● UTY-XWZXZC				○ UTY-XWZXZ6					○ UTY-XWZXZA	
Output	Error status		● UTY-XWZXZC																● UTY-XWZXZC				○ UTY-XWZXZ6					○ UTY-XWZXZA	
Output	Indoor unit fan operation status		● UTY-XWZXZC																● UTY-XWZXZC										
Output	Auxiliary heater output								● UTY-XWZXZC																				
Output	Base pan heater																						● UTY-XWZXZ9				● UTY-XWZXZ9		
Other	Expansion kit				● UTZ-JXXA+ UTY-XWZXZL (HLAH)					● UTZ-JXXA+ UTY-XWZXZL (HLAH)									● UTZ-JXXA+ UTY-XWZXZL (HCAH)										

*2: The Touch panel controller has the functions of dry contact and voltage application, but the external connection kit described above is not necessary because the touch panel controller has an external input terminal block.

●: Dry Contact ○: Apply Voltage

For VRF

NEW Expansion kit

UTZ-JXXA

NEW Connection Cable

UTY-XWZXZL

Communication system

External connect kit

For indoor unit

UTY-XWZXZ7

UTY-XWZXZD

UTY-XWZXZB

UTY-XWZXZE

UTY-XWZXZC

For outdoor unit

UTY-XWZXZ6

UTY-XWZXZ9

UTY-XWZXZF

For RB unit

UTY-XWZXZ6

UTY-XWZXZB

Central remote controller

UTY-XWZXZ7

UTY-XWZXZ8

UTY-XWZXZA

For Touch panel controller

UTY-XWZXZA

Separation tube

For SPLIT/MULTI-SPLIT/SIMULTANEOUS MULTI-SPLIT

Separation tube

UTP-SX236A / UTP-SX254A
For 3-phase simultaneous multi-split

UTP-SX272A
For Simultaneous multi-split Twin/ Triple/Double Twin

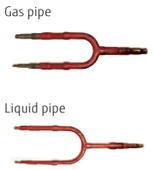
UTP-SX354A
For 3-phase simultaneous multi-split

UTP-SX372A
For Simultaneous multi-split Twin/ Triple/Double Twin

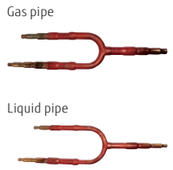
for VRF

Separation tube

UTP-AX054A



UTP-AX090A



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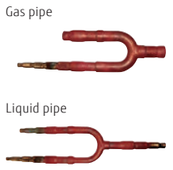

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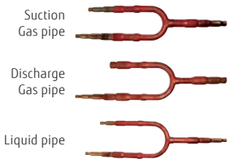
UTP-BX090A



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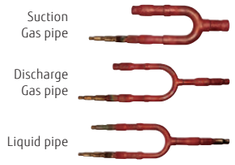

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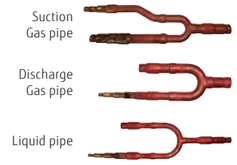
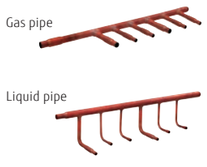


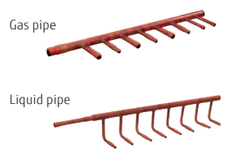
UTP-LX180A
For DX kit

Header

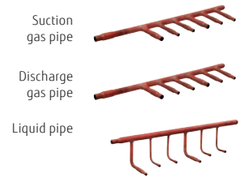
UTR-H0906L / UTR-H1806L



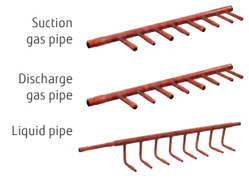
UTR-H0908L / UTR-H1808L



UTP-J0906A / UTP-J1806A

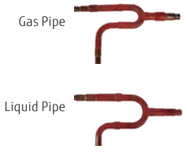


UTP-J0908A / UTP-J1808A

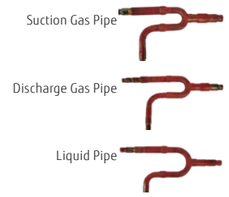


Outdoor unit branch kit

UTP-CX567A

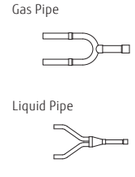


UTP-DX567A

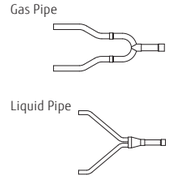


Separation tube for RB unit

UTP-EX060A



UTP-EX096A



for VRF

EV kit

Model name ≦ 09: UTR-EV09XB
Model name ≧ 12: UTR-EV14XB
for compact wall-mounted type

NEW Model name ≦ 09: UTR-EV09XC
Model name ≦ 12: UTR-EV14XC
for R32 VRF wall-mounted type

Shut off valve kit

NEW UTP-GX027A
for R32 VRF indoor unit

NEW UTP-GX060A
for R32 VRF outdoor unit

RB unit

UTP-RX01AH / UTP-RX01BH / UTP-RX01CH
Single type

UTP-RX04BH
Multi-split type

UTP-RX08AH
Multi-split type

UTP-RX12AH
Multi-split type

Specifications

Separation tube

Model name	UTP-AX054A	UTP-AX090A	UTP-AX180A	UTP-AX567A
Total cooling capacity of indoor unit (kW)	19.6 or less	28.0 or less	28.1 to 56.0	56.1 or more

Model name	UTP-BX090A	UTP-BX180A	UTP-BX567A
Total cooling capacity of indoor unit (kW)	28.0 or less	28.1 to 56.0	56.1 or more

Header

Model name		UTR-H0906L	UTR-H1806L
	3-6 Branches	UTR-H0908L	UTR-H1808L
Total cooling capacity of indoor unit (kW)		28.0 or less	28.1 to 56.0

Model name		UTP-J0906A	UTP-J1806A
	3-6 Branches	UTP-J0908A	UTP-J1808A
Total cooling capacity of indoor unit (kW)		28.0 or less	28.1 to 56.0

Outdoor unit branch kit

Model name		UTP-CX567A (for V-IV)	UTP-DX567A (for VR-IV)
Number of outdoor units	2 outdoor units	1	
	3 outdoor units	2	

EV kit

Model name	UTR-EV09XB		UTR-EV14XB		UTR-EV09XC	UTR-EV14XC
Application model	ASYE004GCEH ASYE007GCEH ASYE009GCEH	AGYE004GCEH AGYE007GCEH AGYE009GCEH	ASYE012GCEH ASYE014GCEH	AGYE012GCEH AGYE014GCEH	ASYE004HCAH ASYE005HCAH ASYE007HCAH ASYE009HCAH	ASYE012HCAH ASYE014HCAH

RB unit

Type		Single type			Multi-split type		
Model name		UTP-RX01AH	UTP-RX01BH	UTP-RX01CH	UTP-RX04BH	UTP-RX08AH	UTP-RX12AH
Power source	V/Ø/Hz	230/1/50					
Input power	W	17	24	31	96	136	204
Number of branches		1	1	1	4	8	12
Maximum capacity of connectable indoor units (Q)	kW	Q ≦ 8.0	Q ≦ 18.0	Q ≦ 28.0	Q ≦ 56.1*1	Q ≦ 72.0	Q ≦ 95.0
Maximum capacity of connectable indoor units per branch (Q)	kW	Q ≦ 8.0	Q ≦ 18.0	Q ≦ 28.0	Q ≦ 18.0	Q ≦ 8.0	Q ≦ 8.0
Maximum Connectable Indoor Units per Branch		3	8	8	8	7	7
Dimensions (H × W × D)	mm	198 × 298 × 268			260 × 658 × 428	298 × 660 × 618	298 × 990 × 618

*1: When two RB units are connected in series (8 branches in total), the maximum capacity of the connectable indoor units is up to 56.0 kW.

Shut off valve kit

Model name		UTP-GX027A	UTP-GX060A
Power source	V/Ø/Hz	230/1/50	230/1/50
Input power	W	24	24
Number of branches		1	1
Maximum number of connectable Expansion kit	kW	4	4
Maximum capacity of connectable indoor units (Q)	kW	Q ≦ 8.0	Q ≦ 18.0
Maximum capacity of Connectable Indoor Units per Branch (Q)	kW	Q ≦ 8.0	Q ≦ 18.0
Dimensions (H × W × D)	mm	250 × 540 × 267	250 × 540 × 267

Residential

AIR TO WATER

W-002 AIR TO WATER Overview
W-004 AIR TO WATER Lineup
W-006 Benefits
W-008 Home Heating & Domestic Hot Water Supply
W-010 High-Efficiency Technology
W-012 Split Type
– Comfort Series
– Super High Power Series
– High Power Series
W-018 Split DHW Integrated Type
– Comfort Series
– Super High Power Series
– High Power Series
W-024 Control Overview
W-026 Comfort Control
W-028 System Configuration
W-030 Case Studies
W-032 Simple installation
Easy Installation & Maintenance
W-034 Installation requirements
W-035 AIR TO WATER Optional Parts

AIR TO WATER

Residential

FUJITSU GENERAL LIMITED

AIR TO WATER Overview

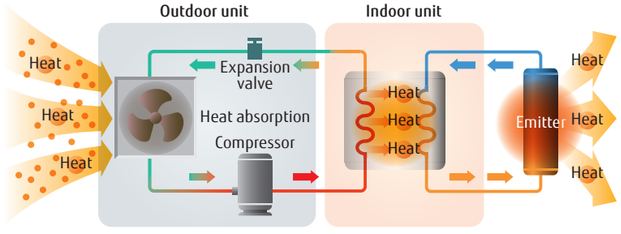
Solutions that meet a variety of needs

Water heated by Air to water using clean energy is delivered reliably and comfortably throughout the house, including the living room.

Heat Pump System Framework

Heat is absorbed from the atmosphere by expanding the refrigerant.

Higher-temperature heat is generated by compressing the refrigerant, and the indoor unit transfers that heat to the water.

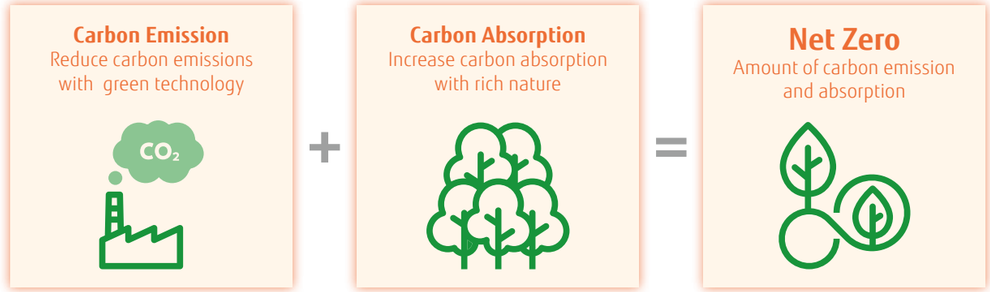


Our Goal

Decarbonisation

European Comission is committed to decarbonisation and has a national target of "**Net Zero**" carbon emissions by 2050.

We need to reduce carbon emissions with green technology products and increase carbon absorption by working to extend nature.



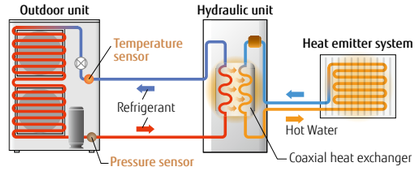
Fujitsu General's ATW system will provide the best solutions that are friendly to the environment and people with products conscious of decarbonisation.

The Choice of ATW

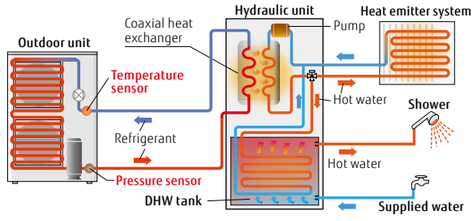
Optimized refrigerant cycle operation

Super High Power and High Power Series deliver high performance and efficiency with twin sensors and hot water heating technology.

Split Type

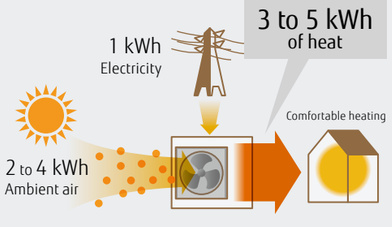


Split DHW Integrated Type



What is a heat pump?

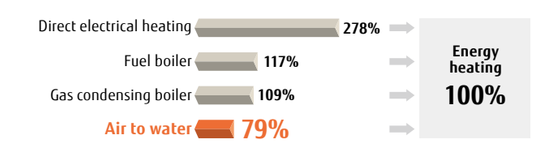
A heat pump extracts heat energy from the atmosphere. It requires only 1 kW of electricity to generate 3 to 5 kW of thermal energy.



Primary energy usage reduced substantially

Proportion of primary energy converted into heating energy is 100%

Primary Energy Consumption*



* The amount of electricity loss varies according to the power plant. Typical energy efficiency of a power plant: 36%

AIR TO WATER Lineup

Type	Split Type						Split DHW Integrated Type					
	Comfort Series		Super High Power Series		High Power Series		Comfort Series		Super High Power Series		High Power Series	
Hydraulic unit												
Outdoor unit												
Capacity range	5/6 kW	8 kW 10 kW	16 kW	15/17 kW	11/14 kW	11/14/16 kW	5/6 kW	8 kW 10 kW	16 kW	15/17 kW	11/14 kW	11/14/16 kW
System outline	• Supplies 55°C hot water even when the outdoor temperature is -10°C. • Heating and DHW supply in one system.* • Equipped with additional electric heater for backup • Up to two independent control circuits.* • Cooling operation is possible.* • Operating range is -20 to 35°C. • Can be used with a variety of heating systems, including underfloor heating and radiators.*		• Supplies 60°C hot water even when the outdoor temperature is -20°C. • Supplies 55°C hot water even when the outdoor temperature is -22°C. • Can be used with a variety of heating systems, including underfloor heating and radiators.* • Heating and DHW supply in one system.* • Equipped with additional electric heater for backup • Up to two independent control circuits.* • Cooling operation is possible.* • Operating range is -25 to 35°C.		• Supplies 60°C hot water even when the outdoor temperature is -20°C. • Can be used with a variety of heating systems, including underfloor heating and radiators.* • Heating and DHW supply in one system.* • Up to two independent control circuits.* • Cascade connection is possible for up to three systems.* • Cooling operation is possible.* • Operating range is -25 to 35°C.		• Supplies 55°C hot water even when the outdoor temperature is -10°C. • Heating and DHW supply in one system. • Equipped with additional electric heater for backup • Up to two independent control circuits.* • Cooling operation is possible.* • Operating range is -20 to 35°C. • Can be used with a variety of heating systems, including underfloor heating and radiators.*		• Supplies 60°C hot water even when the outdoor temperature is -20°C. • Supplies 55°C hot water even when the outdoor temperature is -22°C. • Can be used with a variety of heating systems, including underfloor heating and radiators.* • Space saving heating and DHW supply in a single Hydraulic unit • Equipped with additional electric heater for backup • Up to two independent control circuits.* • Cooling operation is possible.* • Operating range is -25 to 35°C.		• Supplies 60°C hot water even when the outdoor temperature is -20°C. • Can be used with a variety of heating systems, including underfloor heating and radiators.* • Space saving heating and DHW supply in a single Hydraulic unit • Up to two independent control circuits.* • Cooling operation is possible.* • Operating range is -25 to 35°C.	
Power source	Single phase, ~230 V, 50 Hz		Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz	Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz	Single phase, ~230 V, 50 Hz		Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz	Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz
Capacity 5 kW	WSYA050ML3 WOYA060KLT						WGYA050ML3 WOYA060KLT					
Capacity 6 kW	WSYA080ML3 WOYA060KLT						WGYA080ML3 WOYA060KLT					
Capacity 8 kW	WSYA080ML3 WOYA080KLT						WGYA080ML3 WOYA080KLT					
Capacity 10 kW	WSYA100ML3 WOYA100KLT						WGYA100ML3 WOYA100KLT					
Capacity 11 kW					WSYG140DG6 WOYG112LHT	WSYK160DG9 WOYK112LCTA					WGYG140DG6 WOYG112LHT	WGYK160DG9 WOYK112LCTA
Capacity 14 kW					WSYG140DG6 WOYG140LCTA	WSYK160DG9 WOYK140LCTA					WGYG140DG6 WOYG140LCTA	WGYK160DG9 WOYK140LCTA
Capacity 15 kW				WSYK170DJ9 WOYK150LJL						WGYK170DJ9 WOYK150LJL		
Capacity 16 kW			WSYG160DJ6 WOYG160LJL			WSYK160DG9 WOYK160LCTA			WGYG160DJ6 WOYG160LJL			WGYK160DG9 WOYK160LCTA
Capacity 17 kW				WSYK170DJ9 WOYK170LJL						WGYK170DJ9 WOYK170LJL		
Approval CEN KEYMARK	●						●					
Approval EHPA						●						●

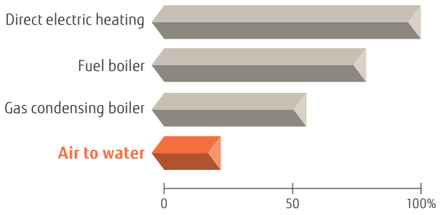
* Please refer to page W-038 and W-039 for optional parts information.

Benefits

Less
CO_2 Emissions

Air to water is an environmentally friendly system that emits substantially less carbon dioxide than conventional gas and hydrocarbon combustion systems.

Average annual CO_2 emissions

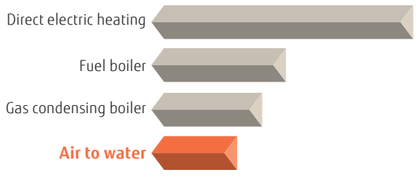


*Calculations based on energy efficiency data provided by the European Programme for Energy Efficiency in EU-27: 89% for fuel boilers; 93% for gas boiler

Low
Running Cost

High-efficiency heat pump technology keeps the running cost of an Air to water system.

Average annual running cost



*The running cost may vary depending on a system's installation, geographical location, and operating conditions.

Clean
and Healthy

As an Air to water system does not use a burner to heat water, it does not produce NOx or other harmful substances.

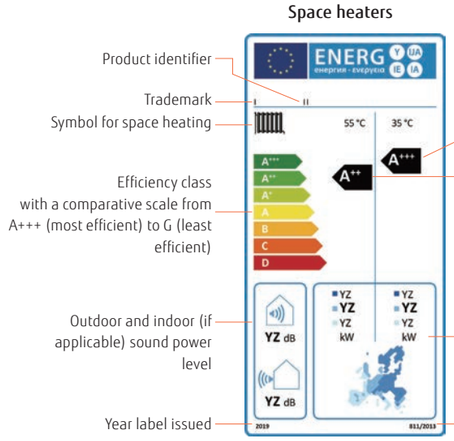
Easy
Installation and Maintenance

All components are built into a compact outdoor unit or a Hydraulic unit.

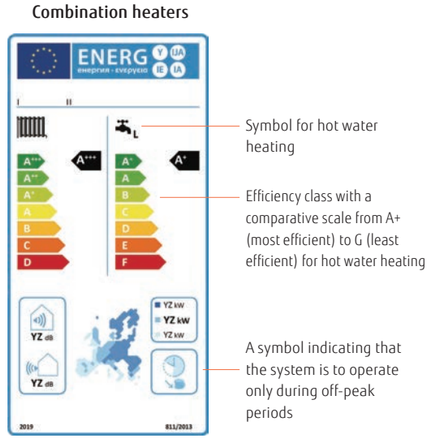
Well-designed Hydraulic unit
The sophisticated arrangement of Hydraulic units makes piping and maintenance work easy.

Energy Efficiency Standards
Product labels

Space heaters



Combination heaters



The Ecodesign Directive Lot 1 Regulation 813/2013

The Ecodesign directive defines a regulatory framework for improving the environmental performance of energy-related products (ErP) through design.
Since September 26, 2015, the Ecodesign Directive has applied to space heaters, including heat pumps and fossil fuel fired boilers, combination heaters for space and hot water heating, water heaters, and water storage tanks.
All of these products must meet minimum requirements for energy efficiency*1 and maximum sound power level. The minimum energy efficiency class were raised on September 26, 2017, and the maximum sound levels were lowered on September 26, 2018.

*1: Energy efficiency is expressed in terms of seasonal space heating efficiencies (ηs). The value is based upon the Seasonal Coefficient of Performance (SCOP).

The Energy Labelling Directive (EU) No. 811/2013

Energy label is intended to enable consumers to make direct comparisons of energy use and product features. All labels should indicate the product identifier, efficiency class, sound power level, and heat output. Heat generators are rated A+++ to D. There are two different product labels. One for space heaters and one for combination heaters.

Seasonal space heating
Energy efficiency class

	Except low temp. HP 55°C	Low temp. HP 35°C
A+++	ηs ≥ 150	ηs ≥ 175
A++	125 ≤ ηs < 150	150 ≤ ηs < 175
A+	98 ≤ ηs < 125	123 ≤ ηs < 150
A	90 ≤ ηs < 98	115 ≤ ηs < 123
B	82 ≤ ηs < 90	107 ≤ ηs < 115
C	75 ≤ ηs < 82	100 ≤ ηs < 107
D	36 ≤ ηs < 75	61 ≤ ηs < 100
E	34 ≤ ηs < 36	59 ≤ ηs < 61
F	30 ≤ ηs < 34	55 ≤ ηs < 59
G	ηs < 30	ηs < 55

EHPA Quality Label

Fujitsu General's Air to water*2 has acquired the EHPA Quality Label*3 through testing in accordance with the International Standards EN14511 and EN17025. The EHPA Quality Label*3 is a label that shows the end-consumer a quality heat pump unit on the market.

*2: 3-phase High Power Series only
*3: Learn more about the validity of the mark at www.ehpa.org/quality/quality-label/

SG ready Label

SG ready is a label issued to heat pumps and their control technologies that meet the requirements set by BWP*4, and technologies that conform to their standards can be integrated into a smart grid. SG ready labeled heat pumps receive signals from the power grid and PV systems with regard to energy and renewable energy sources such as wind, solar, and water. All of Fujitsu General's new heat pump series are SG ready compatible.

*4: BWP: Bundesverband Wärmepumpe e. V (Federal German Heat Pump Association)

The CEN Heat Pump KEYMARK

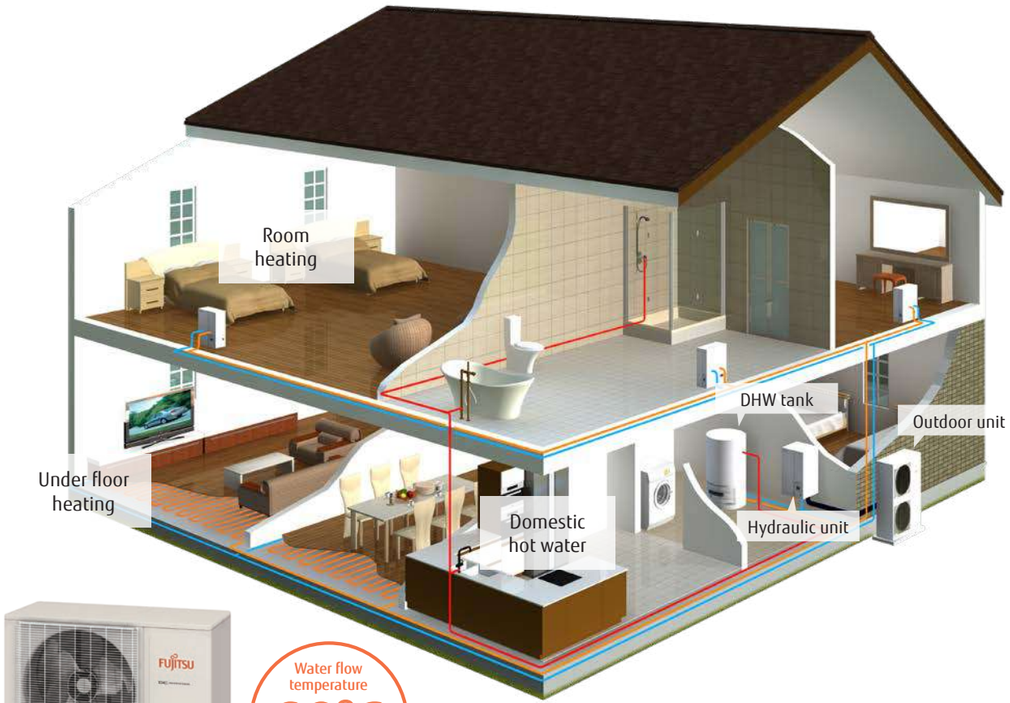
The Heat Pump KEYMARK is a full certificate supporting the quality of heat pumps in the European market.
The Heat Pump KEYMARK is a voluntary, independent, European certification mark (ISO Type 5 Certification) for all heat pumps, combination heat pumps, and hot water heaters (as covered by Ecodesign, EU Regulation 813/2013 and 814/2013). Fujitsu General's Air to water*5 has acquired the KEYMARK certificate*6.

*5: R32 refrigerant comfort model only
*6: Learn more about the validity of the mark at www.heatpumpkeymark.com/about/

Home Heating

& Domestic Hot Water Supply

A wide range of products to suit regional characteristics, family structures, and usage patterns. We provide a variety of products to meet the needs of customers from the heating-centered High Power Series to the reasonably priced Compact Series.



Water flow temperature
60°C

Super High Power Series
High Power Series

High water flow temperature

The temperature of water flow can be maintained at 60°C without using a backup heater, even when the outdoor temperature drops to -20°C.

Floor heating and domestic hot water supply

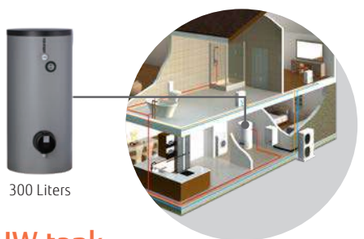
Outdoor units and hydraulic indoor units can be installed flexibly and easily. Hydraulic units installed inside the house prevent the circulating water from freezing. More units can be cascaded together to provide a greater heating capacity with greater flexibility.*1

*1: High Power Series only

5/6 kW 8 kW 10 kW

Adopting R32 refrigerant

R32 refrigerant is an environmentally friendly refrigerant with a significantly lower Global Warming Potential (GWP) than conventional refrigerants.



300 Liters

+ DHW tank

A DHW tank (optional) can be connected to supply hot water.

+ Boiler

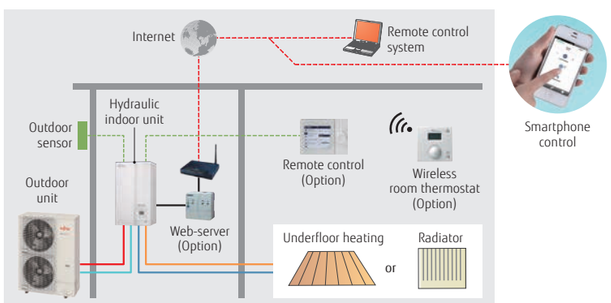
By combining with an existing boiler, powerful heating can be achieved even at low outdoor temperature.

* Please refer to page W-038 and W-039 for optional parts information.

Stylish space saving solution with built-in DHW tank

Built-in DHW tank saves a great deal of space.

Existing boilers can be replaced easily. A higher heating capacity can be achieved with the flexibility to cascade more units.



Smart control

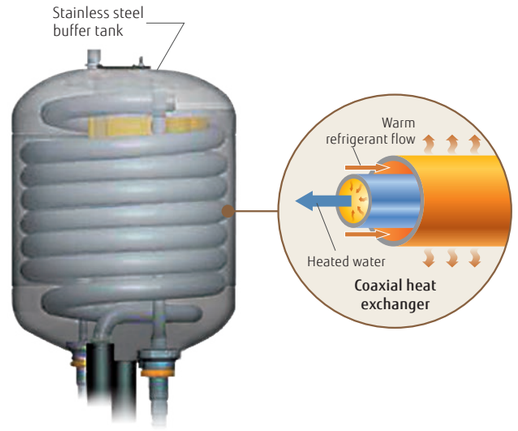
To meet the diverse needs of customers, we offer a variety of control options, such as individual control and remote control options.

High-Efficiency Technology

Twin-Rotary Compressor

Linear Control Injection Port

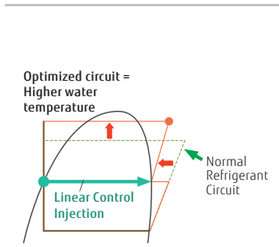
High-durability coaxial heat exchanger

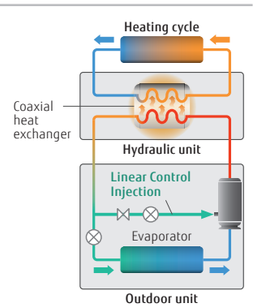


For Outdoor unit

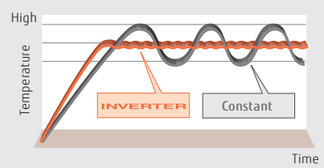
Twin-Rotary Compressor with Linear Control Injection Port

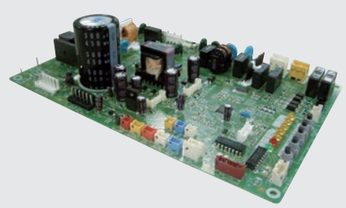
The compressor achieves a high condensing temperature without overheating the discharge gas temperature due to the Linear control injection process used during compression. This makes the condensing temperature higher than in a normal circuit. Higher water temperatures can be achieved by controlling the injection volume according to usage conditions.





DC inverter technology controls temperatures precisely.





For Hydraulic unit

Stainless steel buffer tank

Heat exchange amount is 25% higher than the previous model. Energy-saving performance has also been improved.

- Anti-corrosion protection
- No flow switch required
- Anti-freeze protection not required

Class A Pump

Energy-saving pump with the ability to adjust the flow rate and pressure to a constant level

Split Type
Comfort Series

High water flow temperature

The temperature of water flow is up to 55°C without a backup heater. Hot water supply temperature can be maintained even at -10°C outdoor temperature.

* If you want to raise the temperature of the water supply to above the maximum temperature, use a backup heater to supplement the primary heater.

Comfort Series

High COP

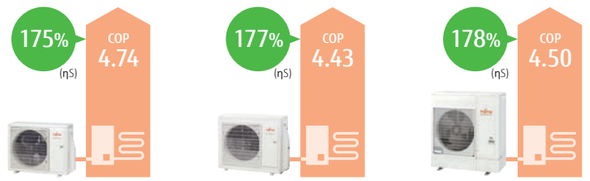
Heat pumps of ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class A+++*

*Temperature application: Heating temp. 35°C

Seasonal space heating energy efficiency (η_s)

Conditions: Outdoor Temp. 7°C Heating Temp. 35°C



Comfort Series 5 kW class | Comfort Series 8 kW class | Comfort Series 10 kW class

Outdoor unit technology

5/6 kW | 8 kW | 10 kW

DC Fan Motor
High-performance, high-efficiency small DC fan motor mounted

DC Twin-Rotary Compressor
High-efficiency DC twin-rotary compressor

DC Inverter
DC inverter provides smooth water temperature control.

Hydraulic unit:
WSYA050ML3 / WSYA080ML3 / WSYA100ML3
Outdoor unit:
WOYA060KLT / WOYA080KLT / WOYA100KLT

Hydraulic unit
Single phase

Outdoor unit
Single phase
5/6 kW

Outdoor unit
Single phase
8 kW

Outdoor unit
Single phase
10 kW

Specifications

Model Name	Hydraulic unit		WSYA050ML3	WSYA080ML3	WSYA080ML3	WSYA100ML3
	Outdoor unit		WOYA060KLT	WOYA060KLT	WOYA080KLT	WOYA100KLT
Capacity Range			5	6	8	10
7°C/35°C floor heating *1	Heating capacity	kW	4.50	5.50	7.50	9.50
	Input power		0.949	1.18	1.69	2.11
	COP		4.74	4.65	4.43	4.50
2°C/35°C floor heating *1	Heating capacity	kW	4.50	5.30	6.30	9.30
	Input power		1.33	1.65	1.96	3.08
	COP		3.39	3.22	3.21	3.02
-7°C/35°C floor heating*1	Heating capacity	kW	4.40	5.00	5.70	8.90
	Input power		1.59	1.90	2.13	3.36
	COP		2.76	2.63	2.68	2.65
-7°C/55°C Radiator*1	Heating capacity	kW	3.90	4.25	5.30	8.00
	Input power		2.11	2.25	2.79	4.10
	COP		1.85	1.89	1.90	1.95

Space heating characteristics*2										
Temperature application		°C	55	35	55	35	55	35	55	35
Energy efficiency class			A++	A+++	A++	A+++	A++	A+++	A++	A+++
Rated heat output (P_{rated})		kW	5	5	5	6	6	7	8	9
Seasonal space heating energy efficiency (η_s)		%	125	175	125	175	128	177	130	178
Annual energy consumption		kWh	3,035	2,322	3,411	2,594	3,903	2,982	5,083	3,875
Sound power level*3	Hydraulic unit	dB(A)	40	-	40	-	40	-	40	-
	Outdoor unit		57	-	57	-	60	-	62	-

Hydraulic unit specifications						
Power source			Single phase, ~230 V, 50 Hz			
Dimensions H × W × D		mm	847 × 450 × 493	847 × 450 × 493	847 × 450 × 493	847 × 450 × 493
Weight (Net)		kg	47	47	47	47
Water circulation	Min./Max.	L/min	7.6/22.0	8.5/22.0	10.0/22.0	13.2/30.0
Buffer tank capacity		L	16	16	16	16
Expansion vessel capacity		L	8	8	8	8
Water flow temperature range	Max.	°C	55	55	55	55
Water pipe connection diameter	Flow/Return	mm	Ø25.4/Ø25.4	Ø25.4/Ø25.4	Ø25.4/Ø25.4	Ø25.4/Ø25.4
Backup heater	Capacity	kW	3.0	3.0	3.0	3.0

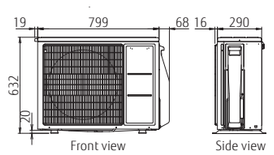
Outdoor unit specifications						
Power source			Single phase, ~230 V, 50 Hz			
Current	Max.	A	13.0	13.0	18.0	19.0
Dimensions H × W × D		mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	998 × 940 × 320
Weight (Net)		kg	39	39	42	62
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg	0.97	0.97	1.02	1.63
Additional refrigerant charge		g/m	25	25	25	20
Connection pipe Diameter	Liquid	mm	6.35	6.35	6.35	9.52
	Gas		12.70	12.70	12.70	15.88
Length	Min./Max.	m	3/30	3/30	3/30	3/30
Length (Pre-charge)		m	15	15	15	20
Height difference	Max.	m	20	20	20	20
Operating range	Heating	°C	-20 to 35	-20 to 35	-20 to 35	-20 to 35

*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance characteristics.
*2: Information about ErP can be downloaded from our website at www.fujitsu-general.com/global/support/downloads/search/
*3: The sound power level values are based on EN12102 standard measurements under EN14825 standard conditions.

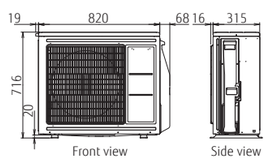
Dimensions

(Unit: mm)

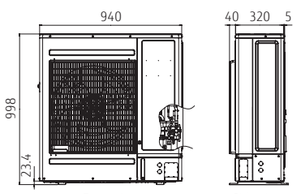
Outdoor unit:
WOYA060KLT



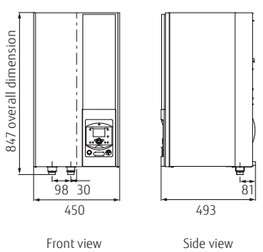
WOYA080KLT



WOYA100KLT



Hydraulic unit:
WSYA050ML3/WSYA080ML3/WSYA100ML3

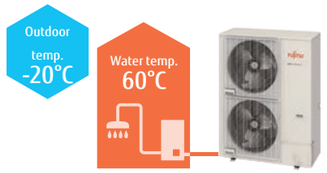


Split Type
Super High Power Series

High water flow temperature

The temperature of water flow can be maintained at 60°C without using a backup heater, even when the outdoor temperature drops to -20°C. The system can supply 55°C water without a backup heater at an outdoor temperature of -22°C.

* If you want to raise the temperature of the water supply to above the maximum temperature, use a backup heater to supplement the primary heater.



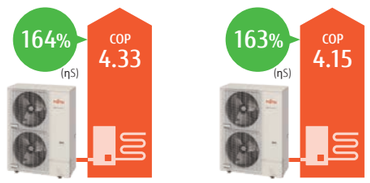
Super High Power Series

High COP

Heat pumps of ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class: A++

Seasonal space heating energy efficiency (η_S)
Conditions: Outdoor Temp. 7°C Heating Temp. 35°C



3-phase 15 kW class — Single phase 16 kW class

Operating range extended to -25°C

Operating range improved down to -25°C outdoor temperature

Hydraulic unit:
WSYG160DJ6 / [3-phase] WSYK170DJ9
Outdoor unit:
WOYG160LJL
[3-phase] WOYK150LJL / WOYK170LJL

Hydraulic unit
Single phase/
3-phase

Outdoor unit
Single phase 16 kW
3-phase 15/17 kW

Specifications

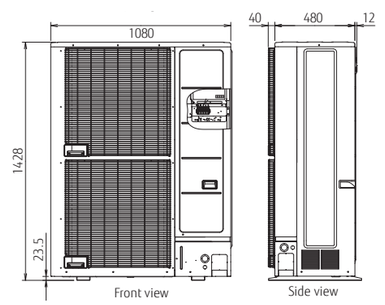
Model Name				WSYG160DJ6		WSYK170DJ9		WSYK170DJ9	
	Hydraulic unit			WOYG160LJL		WOYK150LJL		WOYK170LJL	
Capacity range				16		15		17	
7°C/35°C floor heating *1	Heating capacity	kW		16.00		15.00		17.00	
	Input power			3.86		3.46		4.10	
	COP			4.15		4.33		4.15	
2°C/35°C floor heating *1	Heating capacity	kW		13.30		13.20		13.50	
	Input power			4.25		4.06		4.27	
	COP			3.13		3.25		3.16	
-7°C/35°C floor heating*1	Heating capacity	kW		14.50		13.20		15.00	
	Input power			5.27		4.55		5.32	
	COP			2.75		2.90		2.82	
-7°C/55°C Radiator*1	Heating capacity	kW		10.90		13.20		14.20	
	Input power			5.89		6.77		7.40	
	COP			1.85		1.95		1.92	
Space heating characteristics*2									
Temperature application			°C	55	35	55	35	55	35
Energy efficiency class				A++	A++	A++	A++	A++	A++
Rated heat output (P_{rated})			kW	14	16	16	17	17	18
Seasonal space heating energy efficiency (η_s)			%	125	163	130	164	130	161
Annual energy consumption			kWh	8,757	8,014	9,915	8,606	10,232	9,059
Sound power level	Hydraulic unit		dB(A)	45	45	45	45	45	45
	Outdoor unit			67	66	67	66	67	68
Hydraulic unit specifications									
Power source				Single phase, ~230 V, 50 Hz		3-phase, ~400 V, 50 Hz			
Dimensions H × W × D			mm	805 × 450 × 471		805 × 450 × 471			
Weight (Net)			kg	52.5		52.5			
Water circulation	Min./Max.		L/min	26.4/57.8		24.0/54.2		27.3/61.4	
Buffer tank capacity			L	22		22			
Expansion vessel capacity			L	10		10			
Water flow temperature range	Max.		°C	60		60			
Water pipe connection diameter	Flow/Return		mm	Ø25.4/Ø25.4		Ø25.4/Ø25.4			
Backup heater	Capacity		kW	6.0 (3.0 kW × 2 pcs.)		9.0 (3.0 kW × 3 pcs.)			
Outdoor unit specifications									
Power source				Single phase, ~230 V, 50 Hz		3-phase, ~400 V, 50 Hz			
Current	Max.		A	28.0		14.0		14.0	
Dimensions H × W × D			mm	1,428 × 1,080 × 480		1,428 × 1,080 × 480		1,428 × 1,080 × 480	
Weight (Net)			kg	137		138		138	
Refrigerant	Type (Global Warming Potential)			R410A (2,088)					
	Charge		kg	3.80		3.80		3.80	
Additional refrigerant charge			g/m	50		50		50	
Connection pipe	Diameter	Liquid	mm	Ø9.52		Ø9.52		Ø9.52	
		Gas		Ø15.88		Ø15.88		Ø15.88	
	Length	Min./Max.	m	5/30		5/30		5/30	
	Length (Pre-charge)		m	15		15		15	
	Height difference	Max.	m	25/15 (Outdoor unit: Upper/Lower)					
Operating range		Heating	°C	-25 to 35		-25 to 35		-25 to 35	

*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance characteristics.
*2: Information about ErP can be downloaded from our website at www.fujitsu-general.com/global/support/downloads/search/

Dimensions

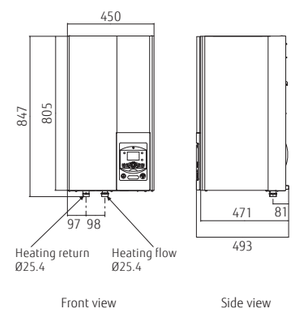
(Unit: mm)

Outdoor unit:
Single phase: WOYG160LJL
3-phase: WOYK150LJL/WOYK170LJL



Front view — Side view

Hydraulic unit:
Single phase: WSYG160DJ6
3-phase: WSYK170DJ9



Front view — Side view

Split Type
High Power Series

High water flow temperature

The temperature of water flow can be maintained at 60°C without using a backup heater, even when the outdoor temperature drops to -20°C.

* If you want to raise the temperature of the water supply to above the maximum temperature, use a backup heater to supplement the primary heater.

High Power Series

High COP

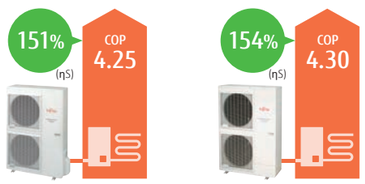
Heat pumps of ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class: A++ *

*Temperature application: Heating temp. 35°C

Seasonal space heating energy efficiency (η_S)

Conditions: Outdoor Temp. 7°C Heating Temp. 35°C



Single phase
11 kW class

3-phase
11 kW class

Hydraulic unit:
WSYG140DG6 / [3-phase] WSYK160DG9
Outdoor unit:
WOYG112LHT / WOYG140LCTA
[3-phase] WOYK112LCTA / WOYK140LCTA / WOYK160LCTA

Hydraulic unit
Single phase/
3-phase

Outdoor unit
Single phase
11/14 kW

Outdoor unit
3-phase
11/14/16 kW

Specifications

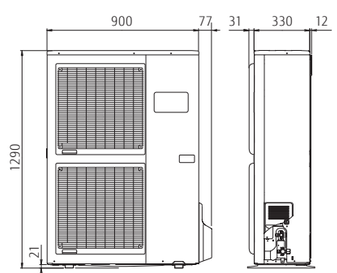
Model Name				WSYG140DG6	WSYG140DG6	WSYK160DG9	WSYK160DG9	WSYK160DG9
	Outdoor unit			WOYG112LHT	WOYG140LCTA	WOYK112LCTA	WOYK140LCTA	WOYK160LCTA
Capacity range				11	14	11	14	16
7°C/35°C floor heating *1	Heating capacity	kW		10.80	13.50	10.80	13.50	15.17
	Input power			2.54	3.23	2.51	3.20	3.70
	COP			4.25	4.18	4.30	4.22	4.10
2°C/35°C floor heating *1	Heating capacity	kW		10.77	12.00	10.77	13.00	13.50
	Input power			3.44	3.87	3.40	4.15	4.34
	COP			3.13	3.10	3.17	3.13	3.11
-7°C/35°C floor heating*1	Heating capacity	kW		10.38	11.54	10.38	12.20	13.50
	Input power			4.32	5.08	4.28	5.13	5.40
	COP			2.40	2.27	2.43	2.38	2.50
-7°C/55°C Radiator*1	Heating capacity	kW		7.57	9.20	9.27	10.10	11.00
	Input power			4.57	5.08	5.09	5.65	6.29
	COP			1.66	1.81	1.82	1.79	1.75
Space heating characteristics*2								
Temperature application			°C	55	35	55	35	55	35	55	35	55	35
Energy efficiency class				A+	A++	A+	A+	A+	A++	A+	A++	A+	A+
Rated heat output (P_{rated})			kW	9	11	11	13	9	11	11	13	13	14
Seasonal space heating energy efficiency (η_s)			%	112	151	113	148	112	154	117	150	117	149
Annual energy consumption			kWh	6,704	6,062	8,041	6,824	6,669	5,930	7,803	6,738	9,062	7,408
Sound power level	Hydraulic unit		dB(A)	46		46		46		46		46	
	Outdoor unit			68		69		69	68	70	68	71	
Hydraulic unit specifications													
Power source				Single phase, ~230 V, 50 Hz				3-phase, ~400 V, 50 Hz					
Dimensions H × W × D			mm	800 × 450 × 457				800 × 450 × 457					
Weight (Net)			kg	42				42					
Water circulation	Min./Max.		L/min	19.5/39.0	24.4/48.7			19.5/39.0		24.4/48.7		27.4/54.8	
Buffer tank capacity			L	16				16					
Expansion vessel capacity			L	8				8					
Water flow temperature range	Max.		°C	60				60					
Water pipe connection diameter	Flow/Return		mm	Ø25.4/Ø25.4				Ø25.4/Ø25.4					
Backup heater	Capacity		kW	6.0 (3.0 kW × 2 pcs.)				9.0 (3.0 kW × 3 pcs.)					
Outdoor unit specifications													
Power source				Single phase, ~230 V, 50 Hz				3-phase, ~400 V, 50 Hz					
Current	Max.		A	22.0	25.0			9.0		9.5		10.5	
Dimensions H × W × D			mm	1,290 × 900 × 330									
Weight (Net)			kg	92				99					
Refrigerant	Type (Global Warming Potential)			R410A (2,088)									
	Charge		kg	2.50									
Additional refrigerant charge			g/m	50									
Connection pipe	Diameter	Liquid	mm	Ø9.52									
		Gas		Ø15.88									
	Length	Min./Max.	m	5/20									
	Length (Pre-charge)		m	15									
	Height difference	Max.	m	15									
Operating range		Heating	°C	-25 to 35									

*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance characteristics.
*2: Information about ErP can be downloaded from our website at www.fujitsu-general.com/global/support/downloads/search/

Dimensions

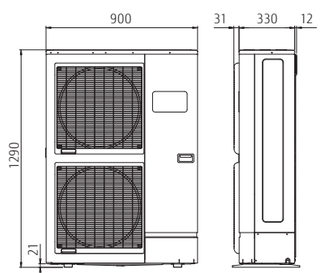
(Unit: mm)

Outdoor unit:
Single phase: WOYG112LHT/WOYG140LCTA



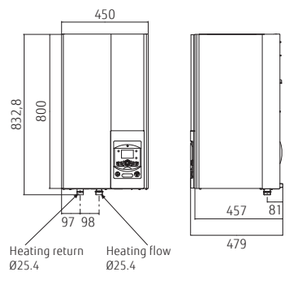
Front view
Side view

3-phase: WOYK112LCTA/WOYK140LCTA/WOYK160LCTA



Front view
Side view

Hydraulic unit:
Single phase: WSYG140DG6
3-phase: WSYK160DG9



Front view
Side view

Split DHW Integrated Type

Comfort Series

High water flow temperature

The temperature of water flow is up to 55°C without a backup heater. Hot water supply temperature can be maintained even at -10°C outdoor temperature.

* If you want to raise the temperature of the water supply to above the maximum temperature, use a backup heater to supplement the primary heater.

Comfort Series

High COP

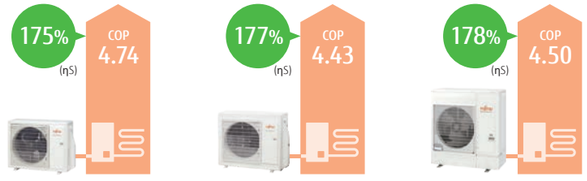
Heat pumps of ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class A+++*

*Temperature application: Heating temp. 35°C

Seasonal space heating energy efficiency (η_s)

Conditions: Outdoor Temp. 7°C Heating Temp. 35°C



Comfort Series 5 kW class | Comfort Series 8 kW class | Comfort Series 10 kW class

Outdoor unit technology

5/6 kW | 8 kW | 10 kW

DC Fan Motor
High-performance, high-efficiency small DC fan motor mounted

DC Twin-Rotary Compressor
High-efficiency DC twin-rotary compressor

DC Inverter
DC inverter provides smooth water temperature control.

Hydraulic unit:
WGYA050ML3 / WGYA080ML3 / WGYA100ML3
Outdoor unit:
WOYA060KLT / WOYA080KLT / WOYA100KLT

Hydraulic unit
Single phase

Outdoor unit
Single phase
5/6 kW

Outdoor unit
Single phase
8 kW

Outdoor unit
Single phase
10 kW

Specifications

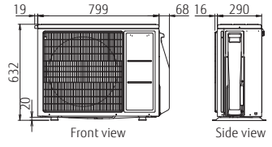
Model Name				WGYA050ML3	WGYA080ML3	WGYA080ML3	WGYA100ML3
	Hydraulic unit			WOYA060KLT	WOYA060KLT	WOYA080KLT	WOYA100KLT
Capacity range				5	6	8	10
7°C/35°C floor heating *1	Heating capacity	kW		4.50	5.50	7.50	9.50
	Input power			0.949	1.18	1.69	2.11
	COP			4.74	4.65	4.43	4.50
2°C/35°C floor heating *1	Heating capacity	kW		4.50	5.30	6.30	9.30
	Input power			1.33	1.65	1.96	3.08
	COP			3.39	3.22	3.21	3.02
-7°C/35°C floor heating*1	Heating capacity	kW		4.40	5.00	5.70	8.90
	Input power			1.59	1.90	2.13	3.36
	COP			2.76	2.63	2.68	2.65
-7°C/55°C Radiator*1	Heating capacity	kW		3.90	4.25	5.30	8.00
	Input power			2.11	2.25	2.79	4.10
	COP			1.85	1.89	1.90	1.95
Space heating characteristics*2							
Temperature application		°C		55 35	55 35	55 35	55 35
Energy efficiency class				A++ A+++	A++ A+++	A++ A+++	A++ A+++
Rated heat output (P_{rated})		kW		5 5	5 6	6 7	8 9
Seasonal space heating energy efficiency (η_s)		%		125 175	125 175	128 177	130 178
Annual energy consumption		kWh		3,035 2,322	3,411 2,594	3,903 2,982	5,083 3,875
Sound power level*3	Hydraulic unit	dB(A)		40 -	40 -	40 -	40 -
	Outdoor unit			57 -	57 -	60 -	62 -
Domestic hot water characteristics*2							
Load profile				L	L	L	L
Energy efficiency class				A+	A+	A+	A+
Energy efficiency (ηwh)		%		130	130	130	130
Annual electricity consumption		kWh		793	793	793	793
Hydraulic unit specifications							
Power source				Single phase, ~230 V, 50 Hz			
Dimensions H × W × D		mm		1,863 × 648 × 700	1,863 × 648 × 700	1,863 × 648 × 700	1,863 × 648 × 700
Weight (Net)		kg		145	145	145	145
Water circulation	Min./Max.	L/min		7.6/22.0	8.5/22.0	10.0/22.0	13.2/30.0
DHW capacity		L		190	190	190	190
Electrical heater capacity	Heating	kW		3.0	3.0	3.0	3.0
	DHW			1.5	1.5	1.5	1.5
Buffer tank capacity		L		16	16	16	16
Expansion vessel capacity		L		8	8	8	8
Water flow temperature range	Max.	°C		55	55	55	55
Water pipe connection diameter	Flow/Return	mm		Ø25.4/Ø25.4	Ø25.4/Ø25.4	Ø25.4/Ø25.4	Ø25.4/Ø25.4
Hot water pipe connection diameter		mm		Ø19.05	Ø19.05	Ø19.05	Ø19.05
Outdoor unit specifications							
Power source				Single phase, ~230 V, 50 Hz			
Current	Max.	A		13.0	13.0	18.0	19.0
Dimensions H × W × D		mm		632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	998 × 940 × 320
Weight (Net)		kg		39	39	42	62
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg		0.97	0.97	1.02	1.63
Additional refrigerant charge		g/m		25	25	25	20
Connection pipe	Diameter	Liquid	mm	6.35	6.35	6.35	9.52
		Gas		12.70	12.70	12.70	15.88
	Length	Min./Max.	m	3/30	3/30	3/30	3/30
	Length (Pre-charge)		m	15	15	15	20
	Height difference	Max.	m	20	20	20	20
Operating range		Heating	°C	-20 to 35	-20 to 35	-20 to 35	-20 to 35

*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance characteristics.
*2: Information about ErP can be downloaded from our website at www.fujitsu-general.com/global/support/downloads/search/
*3: The sound power level values are based on EN12102 standard measurements under EN14825 standard conditions.

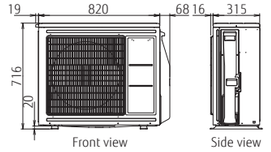
Dimensions

(Unit: mm)

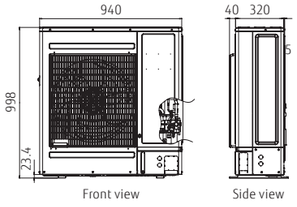
Outdoor unit:
WOYA060KLT



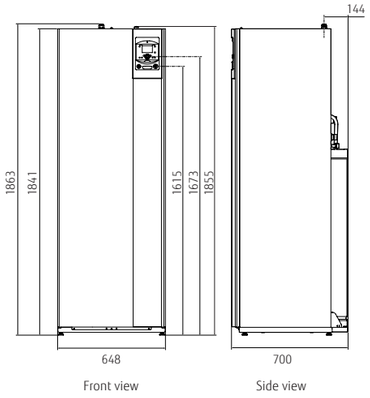
WOYA080KLT



WOYA100KLT



Hydraulic unit:
WGYA050ML3/WGYA080ML3/WGYA100ML3



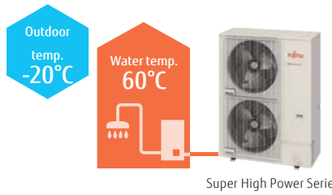
Split DHW Integrated Type

Super High Power Series

High water flow temperature

The temperature of water flow can be maintained at 60°C without using a backup heater, even when the outdoor temperature drops to -20°C. The system can supply 55°C water without a backup heater at an outdoor temperature of -22°C.

* If you want to raise the temperature of the water supply to above the maximum temperature, use a backup heater to supplement the primary heater.



Super High Power Series

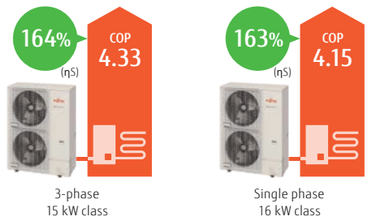
High COP

Heat pumps of ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class: A++

Seasonal space heating energy efficiency (η_S)

Conditions: Outdoor Temp. 7°C Heating Temp. 35°C



3-phase 15 kW class

Single phase 16 kW class

Operating range extended to -25°C

Operating range improved down to -25°C outdoor temperature

Stylish space saving solution with

Built-in High-performance DHW tank 190 L

- Coil heat exchanger optimizes DHW supply performance.
- Temperature rises quickly due to the large surface of the exchanger.

Hydraulic unit:
WGYG160DJ6 / [3-phase] WGYK170DJ9
Outdoor unit:
WOYG160LJL
[3-phase] WOYK150LJL / WOYK170LJL

Hydraulic unit
Single phase/
3-phase

Outdoor unit
Single phase 16 kW
3-phase 15/17 kW

Specifications

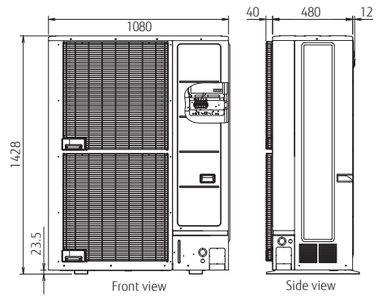
Model Name				WGYG160DJ6	WGYK170DJ9	WGYK170DJ9
	Hydraulic unit			WOYG160LJL	WOYK150LJL	WOYK170LJL
Capacity range				16	15	17
7°C/35°C floor heating *1	Heating capacity	kW		16.00	15.00	17.00
	Input power			3.86	3.46	4.10
	COP			4.15	4.33	4.15
2°C/35°C floor heating *1	Heating capacity	kW		13.30	13.20	13.50
	Input power			4.25	4.06	4.27
	COP			3.13	3.25	3.16
-7°C/35°C floor heating*1	Heating capacity	kW		14.50	13.20	15.00
	Input power			5.27	4.55	5.32
	COP			2.75	2.90	2.82
-7°C/55°C Radiator*1	Heating capacity	kW		10.90	13.20	14.20
	Input power			5.89	6.77	7.40
	COP			1.85	1.95	1.92
Space heating characteristics*2						
Temperature application		°C		55 / 35	55 / 35	55 / 35
Energy efficiency class				A++ / A++	A++ / A++	A++ / A++
Rated heat output (P_{rated})		kW		14 / 16	16 / 17	17 / 18
Seasonal space heating energy efficiency (η_s)		%		125 / 163	130 / 164	130 / 161
Annual energy consumption		kWh		8,757 / 8,014	9,915 / 8,606	10,232 / 9,059
Sound power level	Hydraulic unit	dB(A)		45 / 45	45 / 45	45 / 45
	Outdoor unit			67 / 66	67 / 66	67 / 68
Domestic hot water characteristics*2						
Load profile				L		
Energy efficiency class				A		
Energy efficiency (ηwh)		%		109		
Annual electricity consumption		kWh		941		
Hydraulic unit specifications						
Power source				Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz	
Dimensions H × W × D		mm		1,841 × 648 × 698		
Weight (Net)		kg		166		
Water circulation	Min./Max.	L/min		26.4/57.8	24.0/54.2	27.3/61.4
DHW capacity		L		190		
Electrical heater capacity	Heating	kW		6.0 (3.0 kW × 2 pcs.)	9.0 (3.0 kW × 3 pcs.)	
	DHW			1.5		
Buffer tank capacity		L		22		
Expansion vessel capacity		L		12		
Water flow temperature range	Max.	°C		60		
Water pipe connection diameter	Flow/Return	mm		Ø25.4/Ø25.4		
Hot water pipe connection diameter		mm		Ø19.05		
Outdoor unit specifications						
Power source				Single phase, ~230 V, 50 Hz	3-phase, ~400 V, 50 Hz	
Current	Max.	A		28.0	14.0	
Dimensions H × W × D		mm		1,428 × 1,080 × 480	1,428 × 1,080 × 480	
Weight (Net)		kg		137	138	
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	
	Charge	kg		3.80	3.80	
Additional refrigerant charge		g/m		50	50	
Connection pipe	Diameter	Liquid	mm	Ø9.52	Ø9.52	
		Gas		Ø15.88	Ø15.88	
	Length	Min./Max.	m	5/30	5/30	
	Length (Pre-charge)		m	15	15	
	Height difference	Max.	m	25/15 (Outdoor unit: Upper/Lower)	25/15 (Outdoor unit: Upper/Lower)	
Operating range		Heating	°C	-25 to 35	-25 to 35	

*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance characteristics.
*2: Information about ErP can be downloaded from our website at www.fujitsu-general.com/global/support/downloads/search/

Dimensions

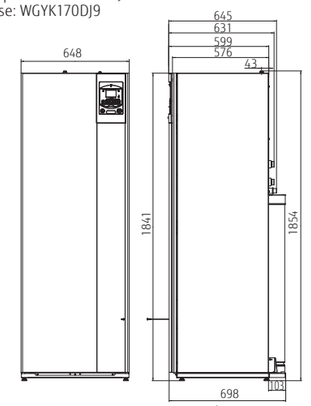
(Unit: mm)

Outdoor unit:
Single phase: WOYG160LJL
3-phase: WOYK150LJL/WOYK170LJL



Front view Side view

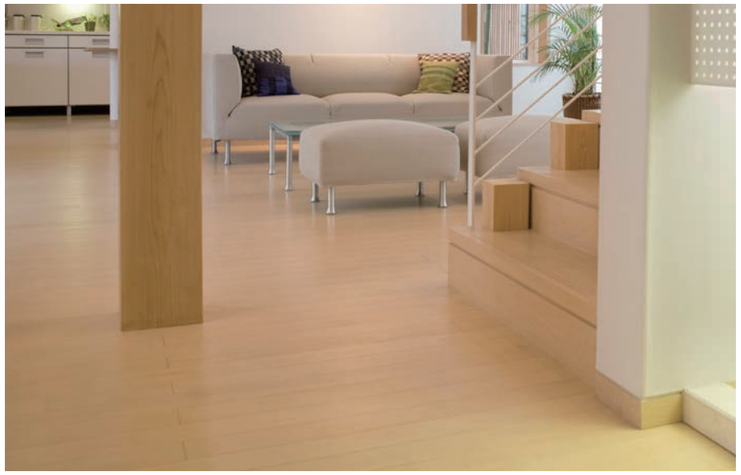
Hydraulic unit:
Single phase: WGYG160DJ6
3-phase: WGYK170DJ9



Front view Side view

Split DHW Integrated Type

High Power Series



High water flow temperature

The temperature of water flow can be maintained at 60°C without using a backup heater, even when the outdoor temperature drops to -20°C.

* If you want to raise the temperature of the water supply to above the maximum temperature, use a backup heater to supplement the primary heater.

High Power Series

High COP

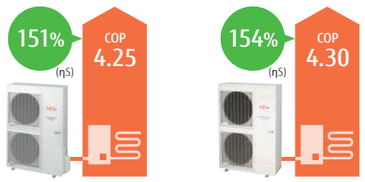
Heat pumps of ATW Systems work more efficiently and consume less energy than conventional heating systems.

Energy efficiency class: A++ *

*Temperature application: Heating temp. 35°C

Seasonal space heating energy efficiency (η_S)

Conditions: Outdoor Temp. 7°C Heating Temp. 35°C

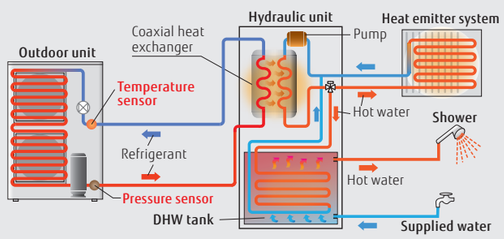


Single phase 11 kW class

3-phase 11 kW class

Optimized refrigerant cycle operation

The High Power Series deliver high performance and efficiency with twin sensors and hot water heating technology.



Hydraulic unit:
WGYG140DG6 / [3-phase] WGYK160DG9
Outdoor unit:
WOYG112LHT / WOYG140LCTA
[3-phase] WOYK112LCTA / WOYK140LCTA / WOYK160LCTA

Hydraulic unit
Single phase/ 3-phase

Outdoor unit
Single phase
11/14 kW

Outdoor unit
3-phase
11/14/16 kW

Specifications

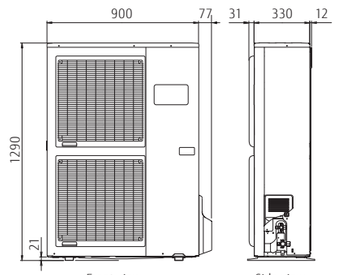
Model Name	Hydraulic unit		WGYG140DG6	WGYG140DG6	WGYK160DG9	WGYK160DG9	WGYK160DG9
	Outdoor unit		WOYG112LHT	WOYG140LCTA	WOYK112LCTA	WOYK140LCTA	WOYK160LCTA
Capacity range			11	14	11	14	16
7°C/35°C floor heating *1	Heating capacity	kW	10.80	13.50	10.80	13.50	15.17
	Input power		2.54	3.23	2.51	3.20	3.70
	COP		4.25	4.18	4.30	4.22	4.10
2°C/35°C floor heating *1	Heating capacity	kW	10.77	12.00	10.77	13.00	13.50
	Input power		3.44	3.87	3.40	4.15	4.34
	COP		3.13	3.10	3.17	3.13	3.11
-7°C/35°C floor heating*1	Heating capacity	kW	10.38	11.54	10.38	12.20	13.50
	Input power		4.32	5.08	4.28	5.13	5.40
	COP		2.40	2.27	2.43	2.38	2.50
-7°C/55°C Radiator*1	Heating capacity	kW	7.57	9.20	9.27	10.10	11.00
	Input power		4.57	5.08	5.09	5.65	6.29
	COP		1.66	1.81	1.82	1.79	1.75
Space heating characteristics*2							
Temperature application		°C	55 35	55 35	55 35	55 35	55 35
Energy efficiency class			A+ A++	A+ A+	A+ A++	A+ A++	A+ A+
Rated heat output (P_{rated})		kW	9 11	11 13	9 11	11 13	13 14
Seasonal space heating energy efficiency (η_s)		%	112 151	113 148	112 154	117 150	117 149
Annual energy consumption		kWh	6,704 6,062	8,041 6,824	6,669 5,930	7,803 6,738	9,062 7,408
Sound power level	Hydraulic unit	dB(A)	46	46	46	46	46
	Outdoor unit		68	69	69 68	70 68	71
Domestic hot water characteristics*2							
Load profile			L				
Energy efficiency class			A				
Energy efficiency(η_{wh})		%	88				
Annual electricity consumption		kWh	1166				
Hydraulic unit specifications							
Power source			Single phase, ~230 V, 50 Hz		3-phase, ~400 V, 50 Hz		
Dimensions H × W × D		mm	1,840 × 648 × 698				
Weight (Net)		kg	152				
Water circulation	Min./Max.	L/min	19.5/39.0	24.4/28.7	19.5/39.0	24.4/48.7	27.4/54.8
DHW capacity		L	190				
Electrical heater capacity	Heating	kW	6.0 (3.0 kW × 2 pcs.)		9.0 (3.0 kW × 3 pcs.)		
	DHW		1.5				
Buffer tank capacity		L	16				
Expansion vessel capacity		L	12				
Water flow temperature range	Max.	°C	60				
Water pipe connection diameter	Flow/Return	mm	Ø25.4/Ø25.4				
Hot water pipe connection diameter		mm	Ø19.05				
Outdoor unit specifications							
Power source			Single phase, ~230 V, 50 Hz		3-phase, ~400 V, 50 Hz		
Current	Max.	A	22.0	25.0	9.0	9.5	10.5
Dimensions H × W × D		mm	1,290 × 900 × 330				
Weight (Net)		kg	92		99		
Refrigerant	Type (Global Warming Potential)		R410A (2,088)				
	Charge	kg	2.50				
Additional refrigerant charge		g/m	50				
Connection pipe	Diameter	mm	Ø9.52				
			Ø15.88				
	Length	m	5/20				
	Length (Pre-charge)	m	15				
	Height difference	m	15				
Operating range	Heating	°C	-25 to 35				

*1: Heating capacity, input power, and COP are measured using the EN14511 standard. Actual usage environments, such as the operating modes of the heating equipment, room temperature, and controller settings, may cause differences in values between those listed in the catalog and the actual performance characteristics.
*2: Information about ErP can be downloaded from our website at www.fujitsu-general.com/global/support/downloads/search/

Dimensions

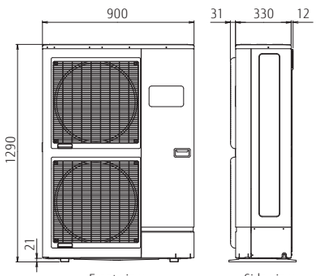
(Unit: mm)

Outdoor unit:
Single phase: WOYG112LHT/WOYG140LCTA



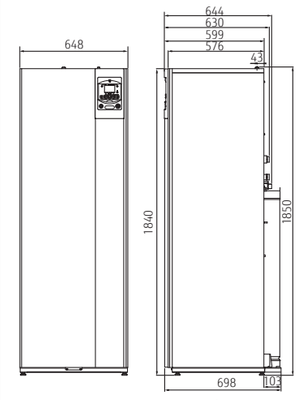
Front view Side view

3-phase: WOYK112LCTA/WOYK140LCTA/WOYK160LCTA



Front view Side view

Hydraulic unit:
Single phase: WGYG140DG6
3-phase: WGYK160DG9



Front view Side view

Comfort Control

The high-grade heating controller automatically adjusts the flow temperature according to the climate conditions to maintain the room and domestic hot water temperatures at the desired levels.

Hydraulic unit Controller

4 Heating modes

1. Automatic mode
Enables automatic switching between Comfort mode and Reduce mode according to time program

2. Reduce mode
Maintains water temperature at a lower level

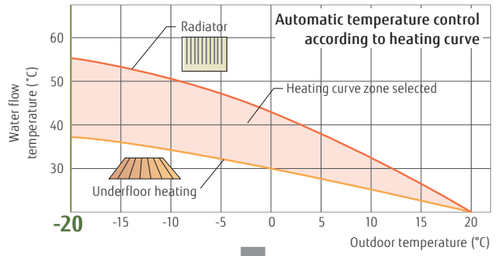
3. Comfort mode
Maintains water temperature at a comfortable level

4. Protection mode
Activates frost protection in standby operation

Useful Features

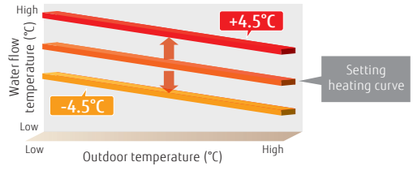
Automatic heating curve control

Automatic temperature regulation according to heating curve (depending on heating terminal and outdoor temperature)



The heating curve will shift to adjust the room temperature setting.

Can be fine-adjusted when it is too warm or too cold.



Quick recovery from defrosting

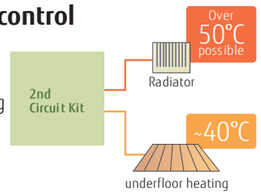
Maintains room temperature by boost start operation during defrosting.

Auto changeover

When cooling mode is selected, the system automatically switches between cooling and heating modes depending on the outdoor temperature to serve as an all-season air conditioner.

2-zone independent control

2-zone independent control (For example, the individual control of 2 underfloor heating zones or the combination of 1 underfloor heating zone and 1 radiator zone)*1

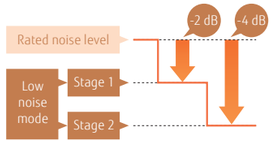


*1: Optional parts required

2-stage low-noise mode

The outdoor unit can be switched to quiet mode, depending on the installation environment.

*Effective only for High Power Series



Backup heater operation

Backup heater maintains a comfortable room temperature even when the outside temperature is low. The backup heater is intelligently controlled as a safety backup for very cold days and nights, and only operates when really needed.

Energy Saving

Time program

- The timer is easy to set.
- You can select the heating mode in conjunction with various times of the day.

Day-weekly timer

- Allows up to 3 settings per day.
- Allows individual settings for each day of the week.

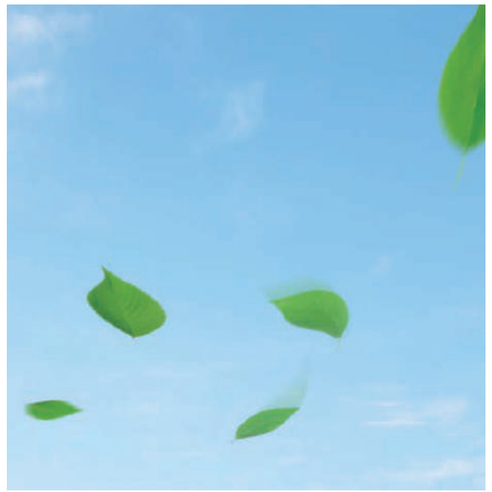
Holiday timer

- Allows up to 8 settings.
- While you are away from home for an extended period during winter, the system prevents your room or house from freezing.

Peak cut Function*2

Sets the peak current value to reduce power consumption.

Mode	Ratio to reduce power consumption
1	100%
2	75%
3	50%
4	Almost 0%



* Please refer to page W-038 and W-039 for optional parts information.

Safety Features

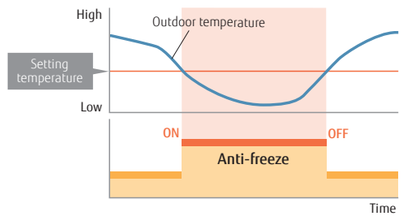
Anti-Legionella function

Prevents the growth of Legionella bacteria in the DHW tank to supply safe and clean hot water at all times.

DHW tank 300 L

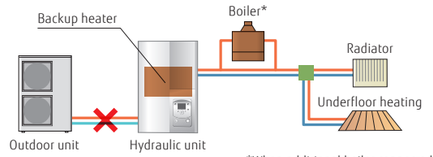
Anti-freeze function

When the outside temperature drops below a specified level, the compressor will self-activate and water will also be automatically circulated to prevent freezing.



Emergency operation

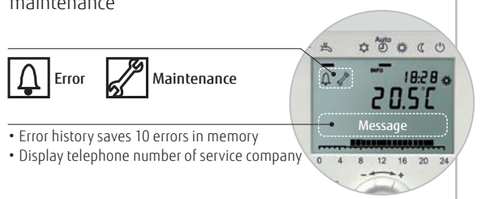
If an outdoor unit fails to operate, a built-in backup heater or an external boiler is activated to supply an uninterrupted supply of hot water to the house.



*When additional boiler connected

Error and Maintenance Alarm

Enables quick error-handling services and maintenance

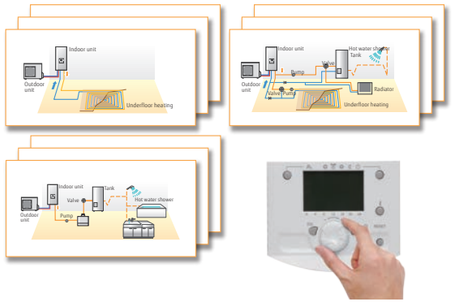


- Error history saves 10 errors in memory
- Display telephone number of service company

Simple installation

Presetting configurations

A controller installed makes it easy to configure the system without having to set each component or unit individually.



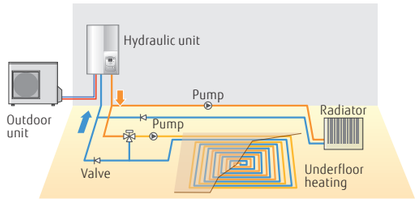
8 simple patterns for system presetting (Pair of heating: 12 patterns)

Configuration (Parameter 5700)	Installation type
Presetting 1	1 heating circuit
Presetting 2	2 heating circuits
Presetting 3	1 heating circuit with boiler backup
Presetting 4	2 heating circuits with boiler backup
Presetting 5	1/2 heating circuit with buffer control
Presetting 6	1/2 heating circuit with buffer control and boiler backup
Presetting 7	Cascade connection Primary
Presetting 8	Cascade connection A
Presetting 9	Cascade connection B/C

- DHW & solar control auto detection
- Cascade connection only available in High Power models.

Outdoor temperature simulation

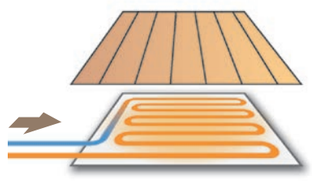
It verifies that each unit operates properly under the set conditions and expected outdoor air temperature when the system is actually assembled.



The outdoor temperatures can be simulated in the range of -50°C to +50°C.

Concrete floor drying

Allows the concrete surrounding the hot-water pipes to dry more quickly, shortening the construction period for underfloor heating installations.

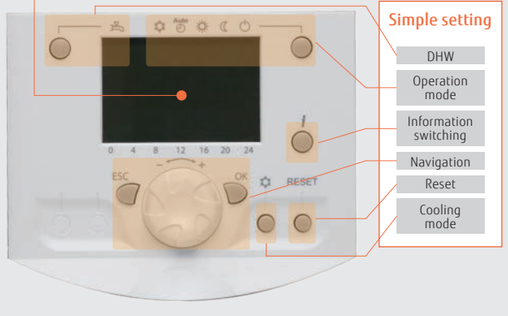


Set temperature
Maximum 75°C

Set period
Maximum 25 days

Controller with a large liquid crystal display and buttons for easy function setting

Large display
Shows all the information items related to the operation mode:
•Clock •Temperature •DHW •Message •Service/maintenance •Timer menu



Main operation flow and settings for installers and end users

		Flow Chart	Example Item
Installers	1	Install Setting	Pump speed setting, Configuration, Heating curve setting, Heat pump shut off
	2	Option Setting	Cooling kit, DHW kit, Boiler kit
	3	Convenient Function	Automatic heating curve setting, Underfloor controlled driving, Outdoor temperature adjustment, Maintenance period setting
	4	Workout Setting	Outdoor temperature simulator
	5	Confirmation	Checking operation (Heating and cooling, DHW, option)
End users	6	User Setting	Date and time, Time program, Operation temperature setting

Easy Installation & Maintenance

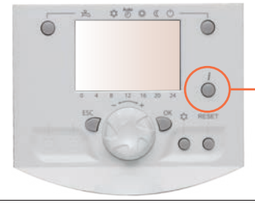
- All hydraulic safety and control components are built in with no additional selection required.
- Lifting bars for installation free of difficulty or risk
- Easy access for maintenance
- Refrigerant pump down operation

Maintenance Support

Diagnostics functions for troubleshooting

Error display

How to check for the errors displayed:



If an error occurs,
the controller will display an error symbol.

Detailed information displayed
•Error code
•Error designation
•Clear text info (UART)

Press "Info" button

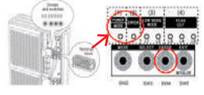
Hydraulic unit error

If an error occurs, the green and red LEDs will blink along with the cause of the error.

LED 2 (GREEN)
LED 1 (RED)

Confirm the number of blinks.

Outdoor unit error



For High Power model and Super High Power model

If an error occurs,
POWER ON
MODE
ERROR Blinks rapidly

Confirm the blink code in the error code indication.

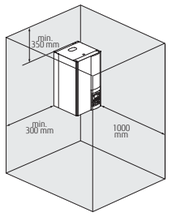
Check the error code table

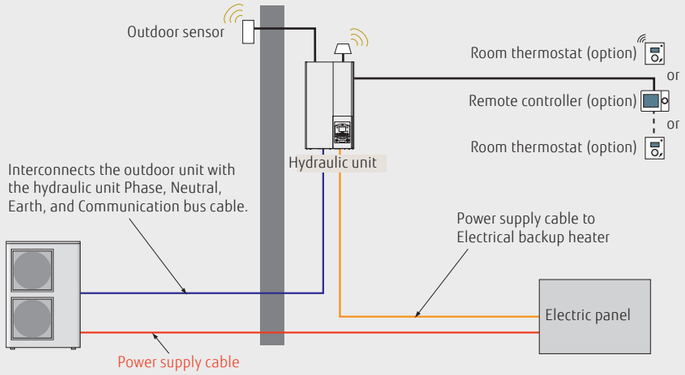
Installation requirements

Installation of equipment & electrical wiring

Split type Hydraulic unit

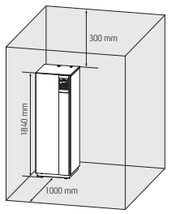
- The Hydraulic unit is hung on the wall.
- Weight ≦ 88 kg (including water)
- Space for maintenance needs to be taken into consideration.

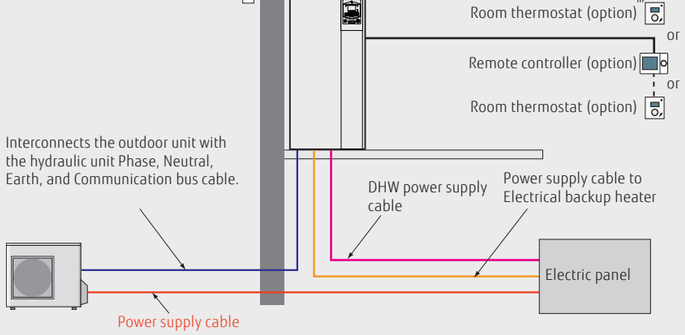




Split DHW Integrated Type Hydraulic Unit

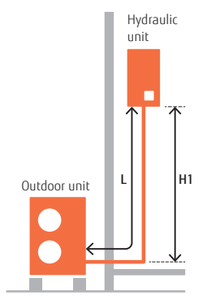
- Floor standing
- Weight ≦ 393 kg (including water)
- Space for maintenance needs to be taken into consideration.

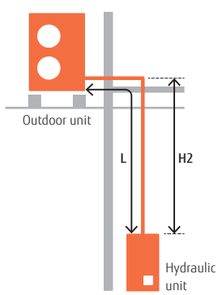




Piping and Wiring Split type

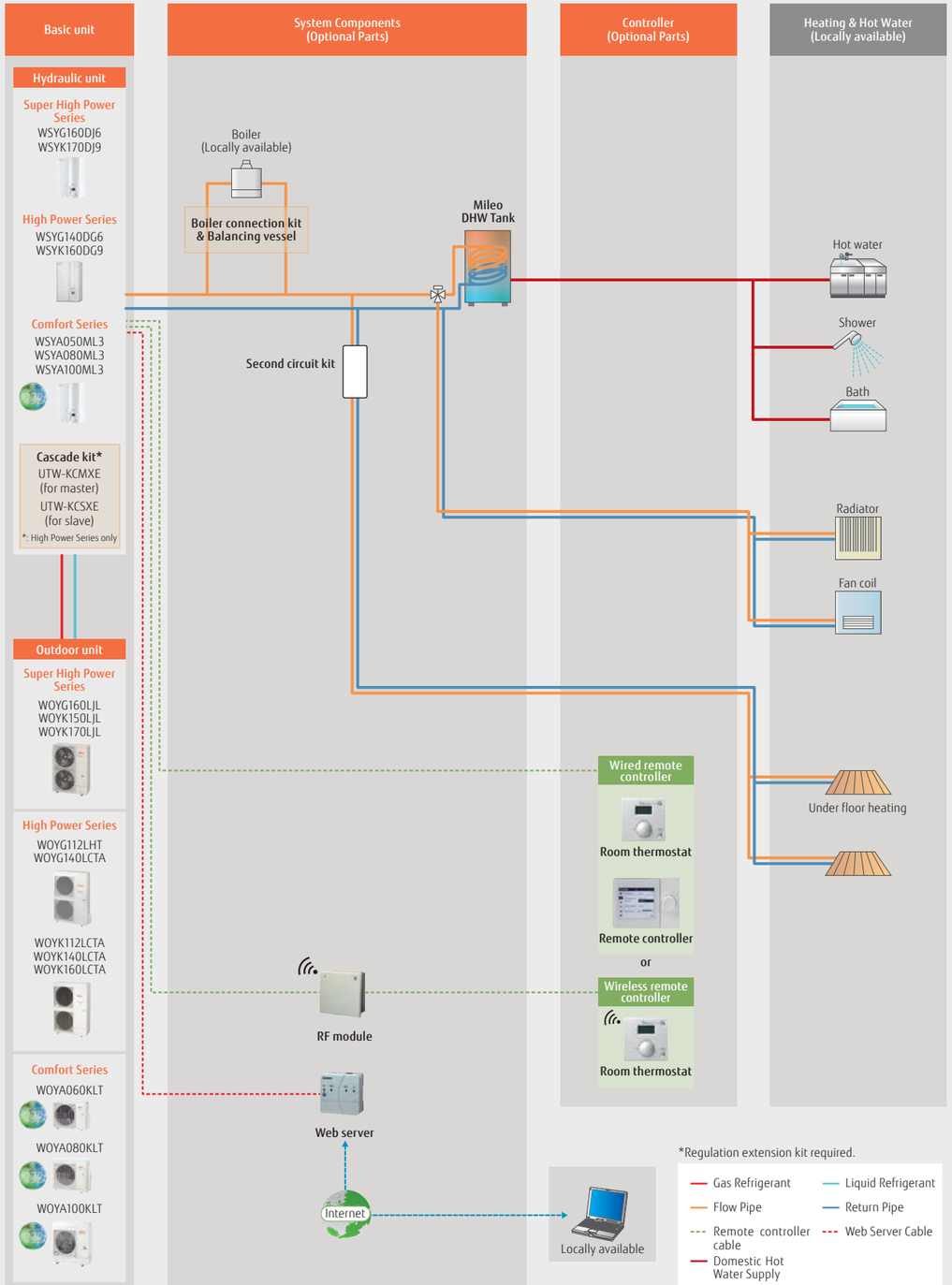
Series	Capacity range (kW)	Pipe diameter (Liquid/Gas) (mm)	H1 (m)	H2 (m)	L (m)
R32 Comfort	5	6.35/12.70	+20	-20	3-30
	6				
	8				
	10	9.52/15.88			
High Power	11	9.52/15.88	+15	-15	5-20
	14				
	16				
Super High Power	15	9.52/15.88	+15	-25	5-30
	16				
	17				



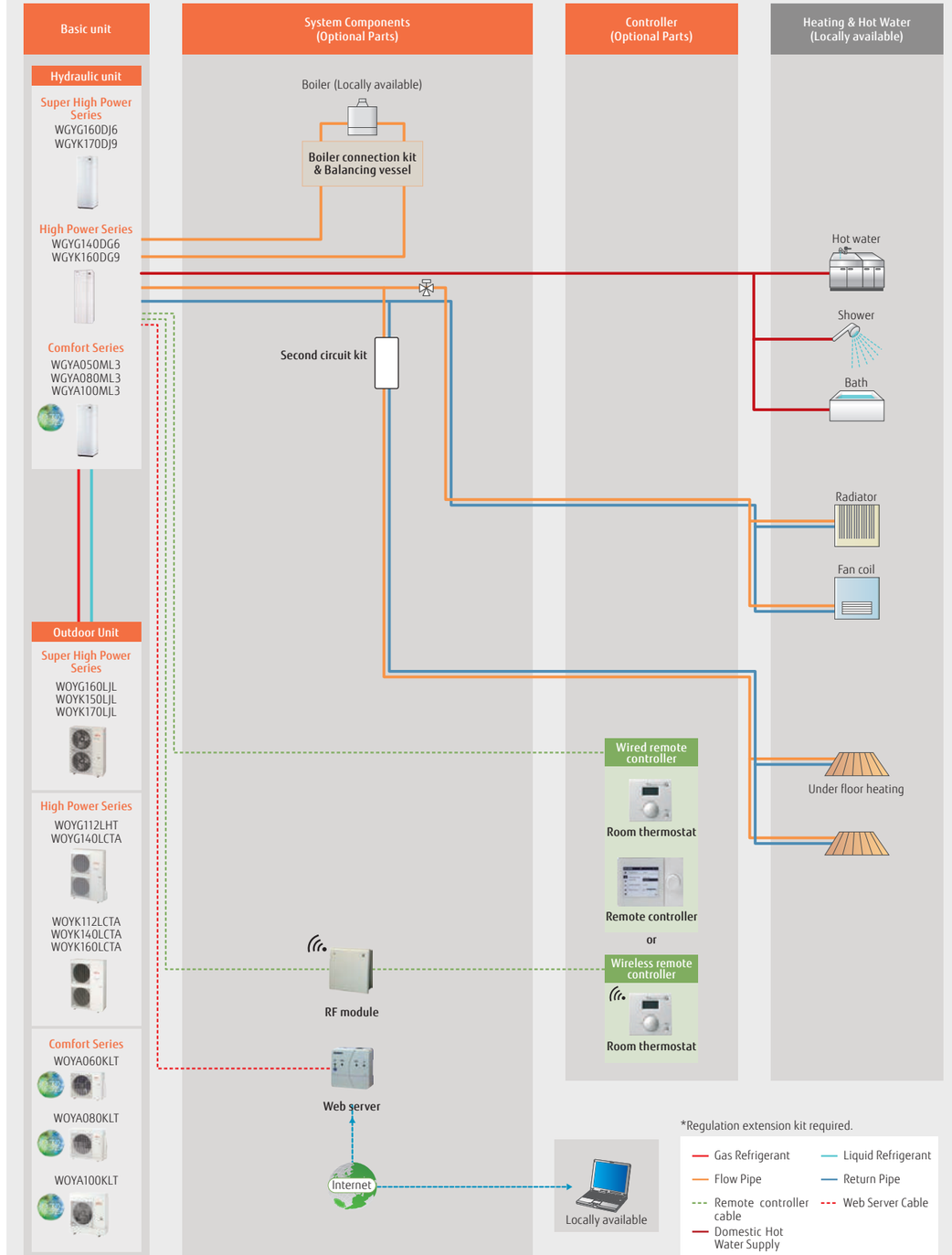


System Configuration

Split Type



Split DHW Integrated Type

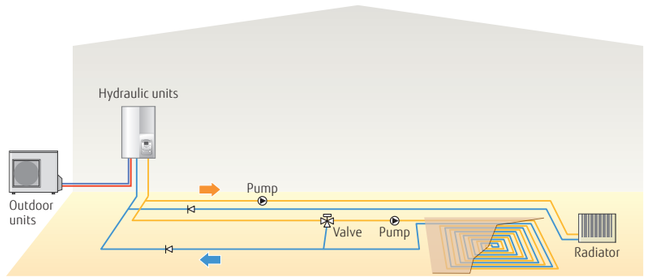


Case Studies

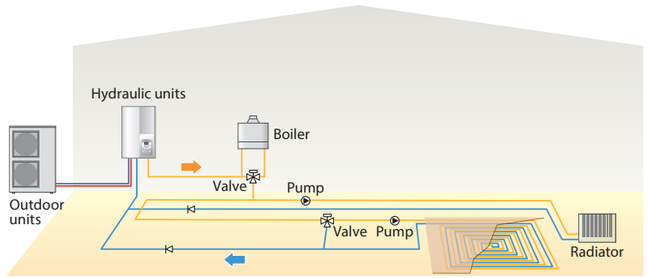
Split Type

2-emitter simultaneous heating (Individual control)

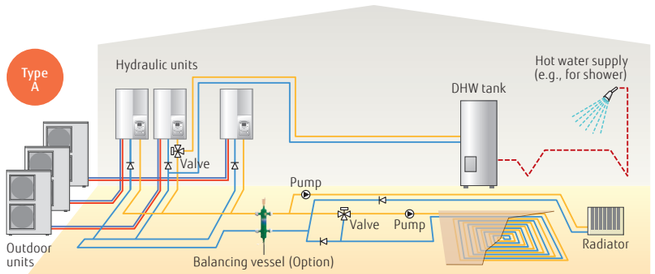
Underfloor heating + Radiator

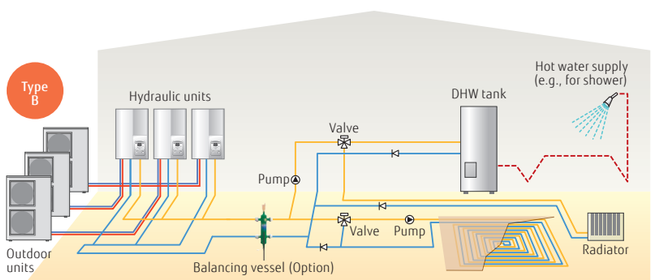


Boiler connected to heating (Boiler + Heating)



2-emitter simultaneous heating & domestic hot water supply (Cascade)



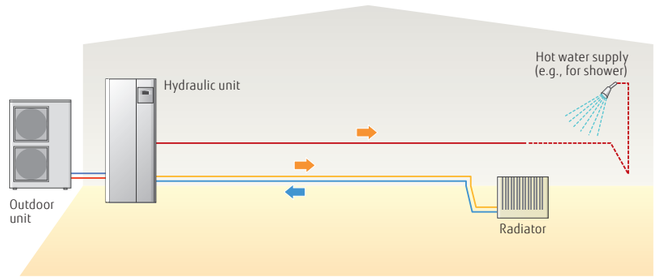


*The hydraulic layouts shown are mainly representation. Please check with local dealer for actual hydraulic connections.

Split DHW Integrated Type

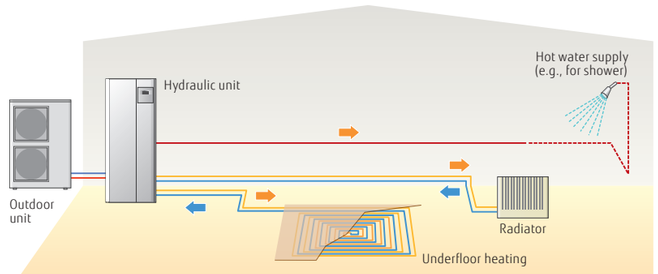
Single heating & domestic hot water supply

Radiator + domestic hot water supply

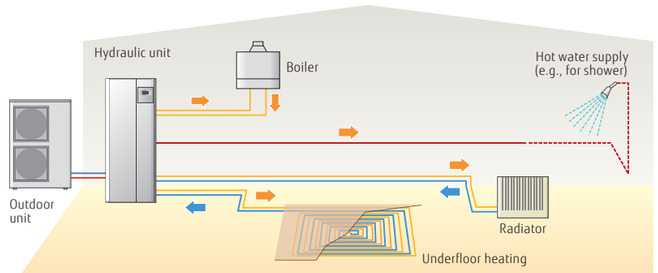


2-emitter simultaneous heating (Individual control) & domestic hot water supply

Radiator + domestic hot water supply



Boiler connected to heating (Boiler + Heating) and domestic hot water supply



*The hydraulic layouts shown are mainly representation. Please check with local dealer for actual hydraulic connections.

Control Overview

To meet the diverse needs of customers, we offer a variety of control options, such as individual control and remote control options.

Individual Control

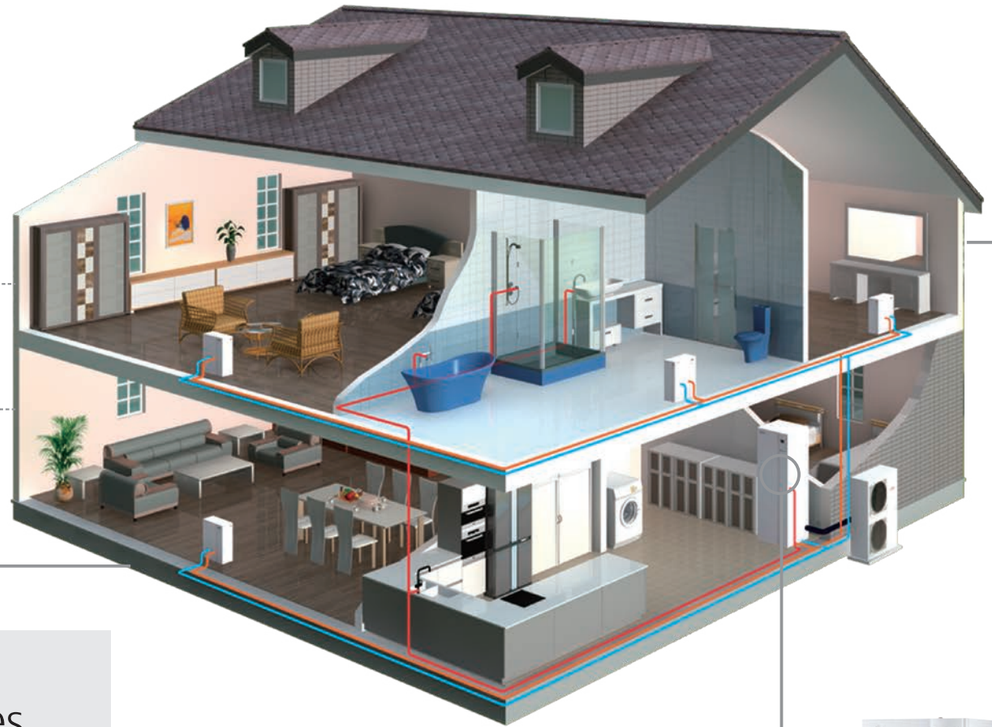
Wireless room thermostat (option)
UTW-C58XA

Wired room thermostat (option)
UTW-C55XA

Wired remote controller (option)
UTW-C74TXF*1
UTW-C74HXF*1

RF module

UTW-MRCXD



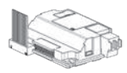
Service & Maintenance Tool

Web server (option)
UTW-KW1XD
UTW-KW4XD

Service tool (option)

UTW-KPSXD*3
software

or



LPB clip (option)
UTW-KL1XD

UTW-KSTXD*4

*3: UTW-KW1XD or UTW-KW4XD is required for the connection.
*4: UTW-KL1XD is required for the connection.

Adapters for external devices

Web server (option)
UTW-KW1XD
UTW-KW4XD

MODBUS® clip (option)
UTW-KMBXJ*2

Internet

Remote control system

Smart device control

Home automation system

* Please refer to page W-038 and W-039 for system compatibility information.

Super High Power Series Hydraulic unit

Hydraulic unit Controller

Easy-to-set operation modes
- Selecting the heating mode and domestic hot water (DHW) operation

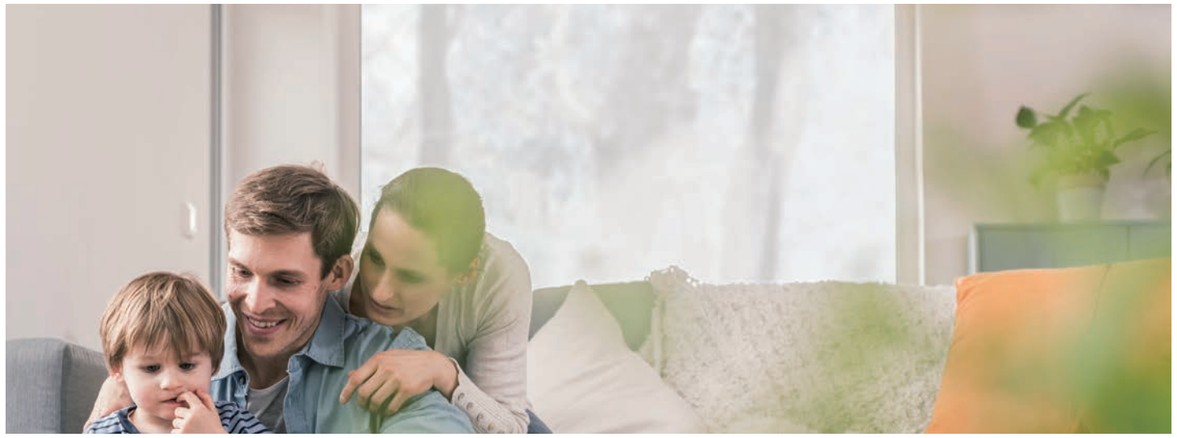
Large liquid crystal display
- Shows operation status
- Shows error messages
- Messages in plain text

Navigation and setting
- Select from heating menu
- Setting Time program

HMI kit (option)
UTW-KHMXE
Supports multiple languages

Optional Parts Overview

Various optional parts are available to use ATW according to needs and environments.



for Locally units

UTW-KZSXE*[1]

Second circuit Kit
It can supply hot water at different temperatures to each two types of heating equipment, such as radiators and underfloor heating.

UTW-KZDXE*[1]

UTW-KZSXJ

UTW-KZDXJ

Boiler connection kit
It can build hybrid systems using both boilers and heat pumps. Boiler and heat pumps are switched according to outside air temperature.

UTW-KBSXD

UTW-KBDXD

UTW-KBSXJ

*1: The UTW-KREXD (Regulation extension kit) is not included but is required for connection.

for DHW

DHW kit
UTW-KDWXD (External)
Required to connect locally purchased DHW tanks to air to water.

DHW tank
200 Liters: UTW-T20AXH / UTW-T20BXH
300 Liters: UTW-T30AXH / UTW-T30BXH
The BXH series is a more efficient tank than the AXH series.

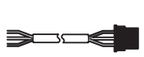
UTW-KDEXE

UTW-KDEXL

DHW expansion kit
The expansion vessel(18L) for connection to DHW water piping.

for Outdoor unit

Drain pan
UTW-KDPXB
It is used to collect and drain condensation water generated by outdoor units.



External connect kit
UTY-XWZXZ2 / UTY-XWZXZ3
The signal input (low noise mode, peak cut) and signal output (compressor operation, base pan heater control) for outdoor units are possible externally.

for Hydraulic unit

Circulating pump
UTW-PHFXG
The high-output pump for replacement of the standard pump in the hydraulic unit. It can be used in properties with longer and more complex water piping.

Cascade master/slave kit
Up to 3 hydraulic units can be connected for large-capacity use. It is need to install a primary kit in one unit and a secondary kit in one or two other units.

Cascade master kit (incl. LPB clip)

Cascade slave kit (incl. LPB clip)

Cooling kit
Required when using ATW also for cooling operation. It is used to prevent condensation occurring in the indoor unit.

UTW-KCLXD

UTW-KCLXL

Electrical backup heater relay
UTW-KBHXL
It allows the backup heater for heating at 3 kW as standard can be used at 6 kW.

Optional Parts List

Product Name	Model Name	Split Type												Split DHW Integrated Type											
		Super High Power			High Power					R32 Comfort				Super High Power			High Power					R32 Comfort			
		1Ø		3Ø	1Ø		3Ø			1Ø				1Ø		3Ø	1Ø		3Ø			1Ø			
		16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16	5	6	8	10
Second circuit Kit	UTW-KZSXE	–	–	–	●★1	●★1	●★1	●★1	●★1	●★1	●★1	●★1	●★1	–	–	–	–	–	–	–	–	–	–	–	–
	UTW-KZDXE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●★1	●★1	●★1	●★1	●★1	●★1	●★1	●★1	●★1
	UTW-KZSXJ	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	UTW-KZDXJ	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–
Boiler connection kit	UTW-KBSXD	–	–	–	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–
	UTW-KBDXD	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	●	●	●	●
	UTW-KBSXJ	●	●	●	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–
Balancing vessel	UTW-TEVXA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DHW kit	UTW-KDWXD (External)	●	●	●	●	●	●	●	●	●	●	●	●	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2
DHW tank (200 Liters / 300 Liters)	UTW-T20AXH UTW-T30AXH	●	●	●	●	●	●	●	●	●	●	●	●	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2
DHW tank (200 Liters / 300 Liters)	UTW-T20BXH UTW-T30BXH	●	●	●	●	●	●	●	●	●	●	●	●	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2	_★2
DHW expansion kit	UTW-KDEXE	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	●	●	●	–	–	–	–
	UTW-KDEXL	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●
Circulating pump	UTW-PHFXG	●	●	●	●	●	●	●	●	–	–	–	–	●	●	●	●	●	●	●	●	–	–	–	–
Cooling kit	UTW-KCLXD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	–	–	–	–
	UTW-KCLXL	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●
Regulation extension kit	UTW-KREXD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Drain pan	UTW-KDPXB	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	●	●	●	●
Cascade master kit (incl. LPB clip)	UTW-KCMXE	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cascade slave kit (incl. LPB clip)	UTW-KCSXE	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

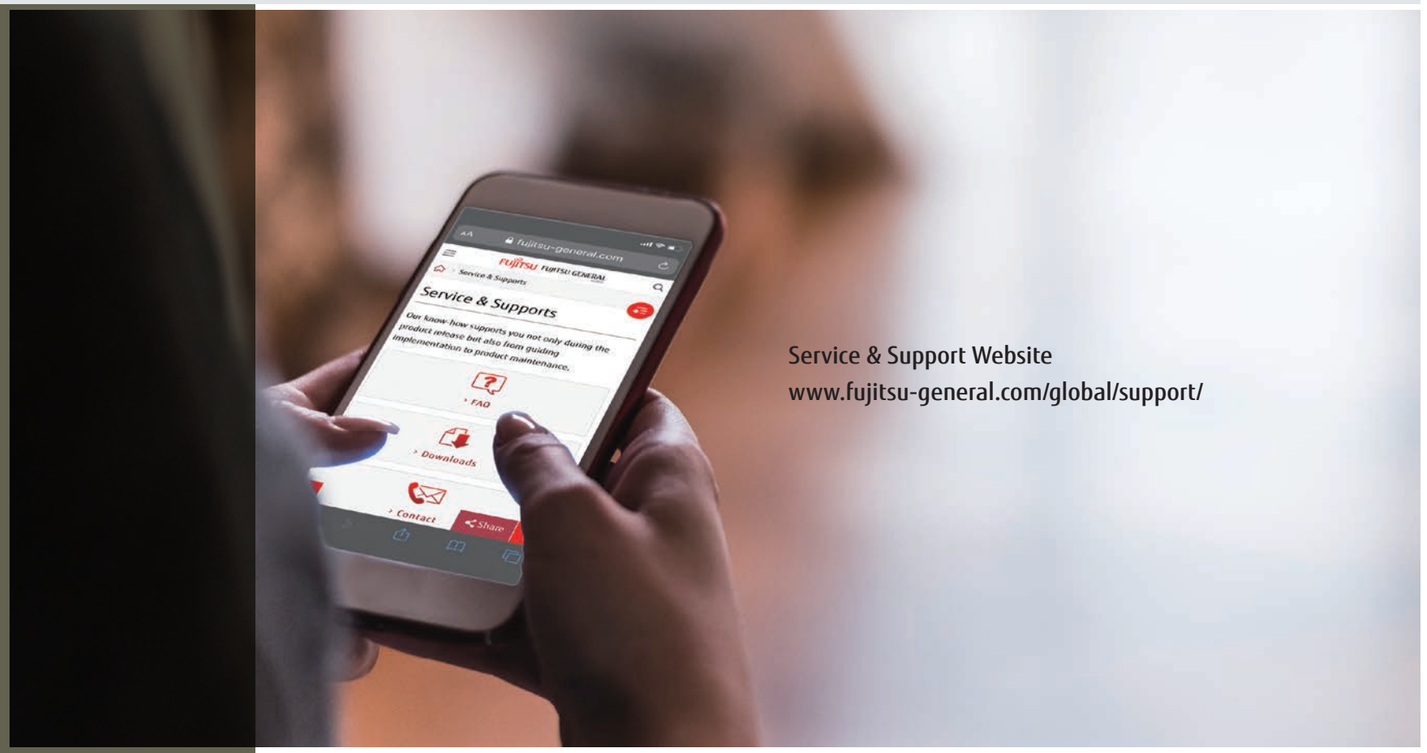
Product Name	Model Name	Split Type												Split DHW Integrated Type											
		Super High Power			High Power					R32 Comfort				Super High Power			High Power					R32 Comfort			
		1Ø		3Ø	1Ø		3Ø			1Ø				1Ø		3Ø	1Ø		3Ø			1Ø			
		16	15	17	11	14	11	14	16	5	6	8	10	16	15	17	11	14	11	14	16	5	6	8	10
HMI kit	UTW-KHMXE	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3
Remote controller (Wired)	UTW-C74TXF	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3
	UTW-C74HXF	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3	●★3
Room thermostat (Wired)	UTW-C55XA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Room thermostat (Wireless)	UTW-C58XA	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4
Outdoor sensor transmitter	UTW-MOSXD	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4	●★4
RF modules (for BSB-Port)	UTW-MRCXD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Web server	UTW-KW1XD	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5	●★5
	UTW-KW4XD	–	–	–	●★5	●★5	●★5	●★5	●★5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LPB clip	UTW-KL1XD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MODBUS® clip	UTW-KMBXJ	–	–	–	●★6	●★6	●★6	●★6	●★6	–	–	–	–	–	–	–	●★6	●★6	●★6	●★6	●★6	–	–	–	–
Service tool (incl. OCI700 Adapter)	UTW-KSTXD	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7	●★7
Service tool software	UTW-KPSXD	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8	●★8
External connect kit	UTY-XWZXZ2	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–
	UTY-XWZXZ3	●	●	●	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	●
Electrical backup heater relay	UTW-KBHXL	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	●	●	●	●

●: Available –: Not Available

*1: The UTW-KREXD (Regulation extension kit) is not included but is required for connection.
*2: Split DHW integrated type supplies DHW without the DHW kit and DHW tank.
*3: Includes 21 languages with no need to prepare an RC for Eastern Europe separately.
C74TXF has a built-in room temperature sensor.
C74HXFhas a built-in room temperature and humidity sensor.
*4: UTW-MRCXD (RF modules) is required for the connection.
*5: The connection of UTW-KW4XD for simultaneous control of multiple ATW units is only possible for cascade systems.
*6: Additional Spare parts 9708302034 (Analogue interface PCB) and 109696 (connection wire) are required.
*7: UTW-KL1XD (LPB clip) is required for the connection.
*8: UTW-KW1XD or UTW-KW4XD (Web server) is required for the connection.

SUPPORT

Sp-002 VRF Support
Sp-004 HVAC system design Support Tool
Sp-006 Air To Water Support Tool
Sp-008 Quick Service & Maintenance
Sp-010 Service monitoring tool
Sp-012 Service Tool
Sp-013 Web monitoring tool



Service & Support Website
www.fujitsu-general.com/global/support/

Our knowledgeable sales and service representatives assist you, from product selection to installation and maintenance.

Category	Information material												Tool						
	Product sales training material	Product technical training material	Product news	Brochures	Promotional movies	Operation manuals	Design & Technical manuals	Certification data	2D CAD data	3D CAD (Revit) data	Installation manuals	Service manual	Air To Water Package label creator	Design simulator (Room air conditioner, Packaged air conditioner, and VRF)	Air To Water proposer	CFD simulation	Service tool and Web monitoring tool	Mobile technician
Product training	●	●																
Product information seeking			●	●	●	●	●											
Technical information seeking							●	●					●					
Model selection							●							●	●			
Design							●		●	●								
Verification																●		
Installation							●				●							
After-sales service												●					●	●

VRF Support

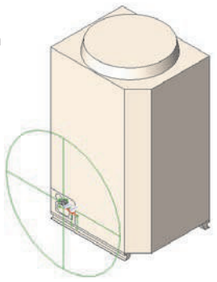
Fujitsu General provides engineers and consultants with a wide range of product and technical information. In addition, we conduct research on new products and support design activities. We provide a wide range of support services from design to installation to maintain high quality.

Technical information

We provide equipment selection software that facilitates the design of air conditioning systems by providing performance data for the units and estimation for model selection.

Features

- Design & Technical manuals
- Model selection & estimation
- Certification data
- 2D/3D CAD data



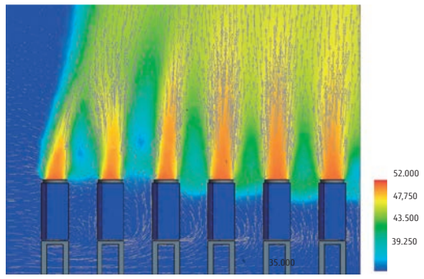
2D/3D CAD data

Technical support

Technical support is offered at every stage, from design through to installation, to assist in optimizing air conditioning solutions.

Features

- CFD simulation
- Guidelines
- Commissioning support



CFD simulation

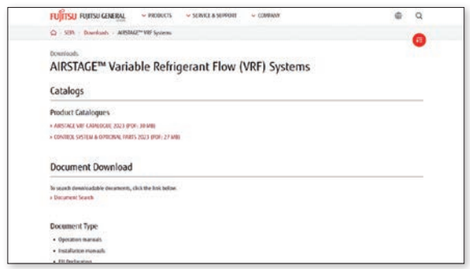
Commissioning support

Product information

Information on new models is provided in the form of documents and movies in a timely manner for release, readily downloadable from the private section of our website. Contact your Fujitsu General representative for access information.

Features

- Product news
- Brochures & manuals
- Promotional movies



https://www.fujitsu-general.com/eu/support/downloads/vrf/

Fujitsu General regularly provides professional product, technical and service training at its training facilities worldwide. These research facilities also support the development of human resources with advanced technical skills.

Features

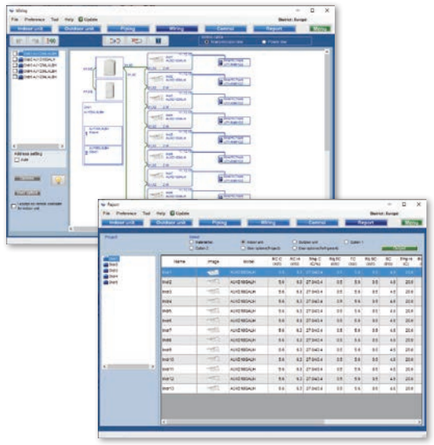
- Designing VRF systems
- On-site training for control systems

1 Head office training center in Japan
2 Training center in China
3 Asia training center in Singapore
4 Europe training center in the United Kingdom
5 Europe training center in Germany
6 America training center in the United States
7 Middle East training center in the UAE
8 Oceania training center in Australia

HVAC system design Support tool

Put the charts and pens away and design your projects on a computer using the Design simulator. Everything from selecting indoor and outdoor units, allocating controls and optional parts through to designing the piping and wiring systems is made easier using the program's built-in features.
Once the project design is complete, the Export function makes it easy to generate material lists, product specifications, and refrigerant calculations, and more. You can also export in Word, Excel, and Acrobat formats, as well as group CAD data related to your project.

Design simulator



Automatically create model selection information

- The required performance, type, and temperature conditions for each indoor unit are entered and then dragged and dropped onto the outdoor unit to automatically set each unit.
- Creates piping and wiring diagrams automatically to facilitate branching, grouping, and option settings.
- The additional refrigerant charging is automatically calculated when the pipe length is entered.
- Easy configuration of remote controller groups, central controller, and converters.
- The equipment list including the equipment information is created automatically.

Outputs in the format that matches the application

You can export your project information in a number of industry standard file formats.

- Word format (rtf) (doc)
- Excel format (csv)
- Acrobat format (pdf)
- 2D CAD data (DXF)

Update your Design simulator

The database can be updated easily online with the AutoUpdate function using FTP.

BIM

Building information modeling

bimobject®
www.bimobject.com/en

BIM files of Fujitsu General's products are available on BIMobject®

Fujitsu General is releasing BIM files of our products on the BIMobject® website BIMobject.com.

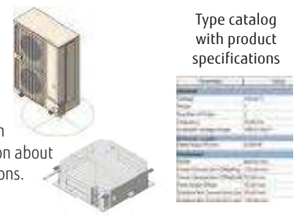
Outline of BIMobject®
BIMobject® is a game changer for the construction industry, offering development, maintenance, and syndication of objects on the world's largest BIM platform.

About BIM files

- BIM files can be viewed in Autodesk Revit® 2018 version or later.
- In each BIM file, the location of the connectors for the refrigerant and drain pipe is different.
- Each BIM file includes several family types.
- A catalog and specification sheet is available in Revit file format for each product.

RFA (Revit data)
A data format available for BIM-designed projects

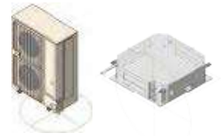
Data content
- Shape (Size)
- Drain direction
- Pipe direction
- Power supply location
- It contains information about the above specifications.



DWG
a standard data format used for Autodesk products

DXF
Intermediate data commonly available in CAD products

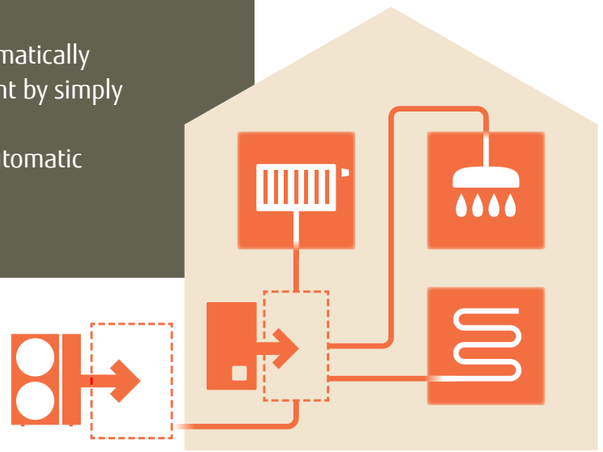
Data content
- Shape (Size)



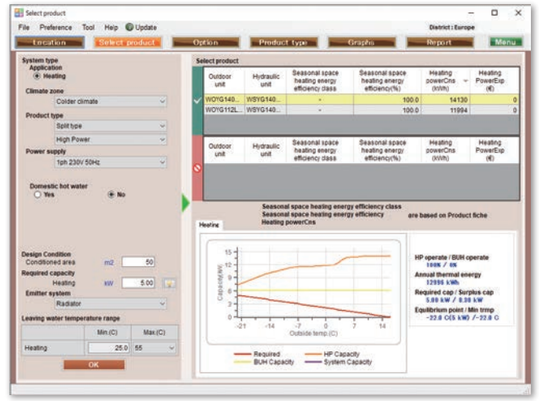
*To learn more about how to use BIM files, refer to the instructional video on each product page. youtu.be/wfL-hwFQ7dM

Air To Water (ATW) Support tool

Fujitsu General's software for ATW automatically creates a combination of ATW equipment by simply providing a few parameters.
Supports multiple languages with an automatic update function.



Air To Water proposer

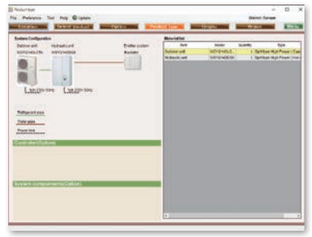


Selecting models with detailed technical information

- Simply enter the region where the equipment will be installed, the required heating capacity, the method of heating and other factors, and the software will select the appropriate equipment automatically.

* From now on, the name will be changed to the new name above.
The current name is WATERSTAGE Proporser.

The images of the optional items will help you configure your system correctly. If more than one ATW equipment is required, all relevant option items will be selected automatically.



The selected unit can be modified after reviewing the overall system configuration.
The images and the list of devices are displayed at the same time, helping to avoid mistakes in device selection.

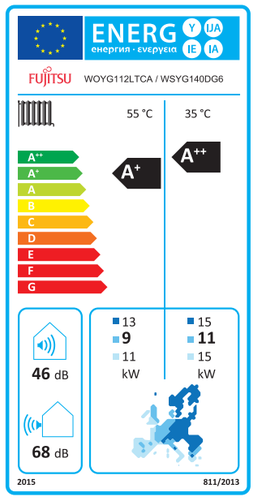
Air To Water Package label creator

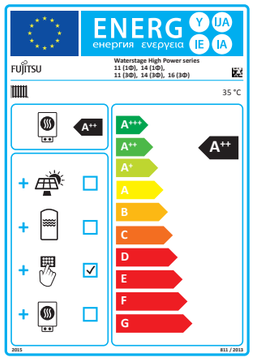
Download Energy labels and Fiches from our website

ErP documents such as Energy labels, Product fiches, Package labels, Package lists, Information sheets, and EC Declarations can be searched for and downloaded from our website.

We will also provide an online service in the future so that installers can easily create various package labels and package fiches for different models.

* From now on, the name will be changed to the new name above.
The current name is WATERSTAGE Package label creator.





Quick service & maintenance

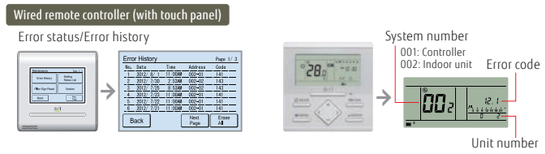
In the unlikely event that a problem should occur with the unit or system, a wide variety of support tools are available to assist with prompt service and maintenance anytime, anywhere, including error code displays on the product, service tools to check the detailed status of the entire system, and remote monitoring tools using the internet.

Easy maintenance & monitoring

Designed for easy maintenance

The operating status of the air conditioner and detailed trouble conditions are displayed on the 7-segment indicator lamp on the outdoor unit printed circuit board (PCB) and on the screen of the remote controller.
Check the status of the unit quickly for a prompt response.

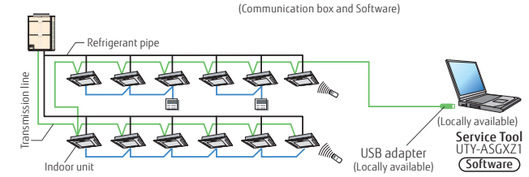
- Display the operation mode at the time.
- Discharge temperature and pressure
- Compressor operation status
- "Address/Type/Number" of the outdoor unit
- Error code



Error diagnosis by Service tool

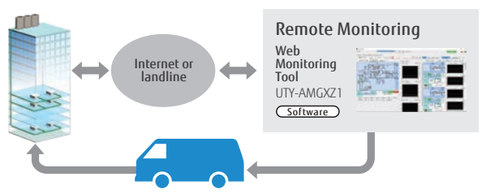
Connect Service tool to check the status details of units, from single split to VRF, on a computer screen.
Check the errors quickly for prompt countermeasures.

- Operating status/control
- Monitoring operating conditions
- Monitoring sensor data
- Indicating trend graphs
- Error history
- Indicating refrigerant circuit diagrams (for VRF)



Remote monitoring

VRF system operating status and trouble status details can be monitored remotely at any time via the internet.
Prompt coordination is available with service personnel.



Mobile troubleshooting App for iOS and Android ™ devices

We will release an App for troubleshooting tools for iPhone, iPod touch and other Apple devices, and Android products for Fujitsu General air conditioners (Room air conditioner/ Packaged air conditioners VRF and ATW, "AIRSTAGE Mobile", and R32 calculation of allowable refrigerant capacity)

Use Error Code Check, Troubleshooting, and Sensor Check to understand the status of your air conditioner.

Download on the App Store

GET IT ON Google Play

Service monitoring tool for Single split, Multi-split & Air to water

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

Actual operating conditions | Graphs | Operational histories

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

NEW AIRSTAGE Service Monitor Tool for Single-split, Multi-split, Air to water

UTY-ASSXZ1

Improved work efficiency

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

*The values in the pictures are examples.

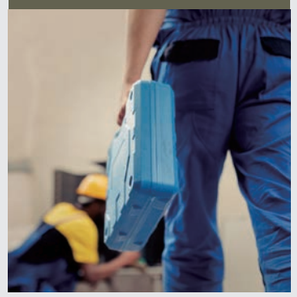
Bluetooth communication

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

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

Compact and lightweight design

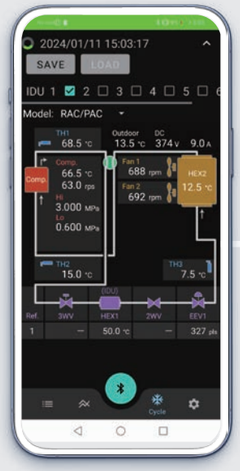
New model is easy to carry by compact and lightweight design. The service personnel can visit the maintenance site with small luggage.



New application with simple design

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

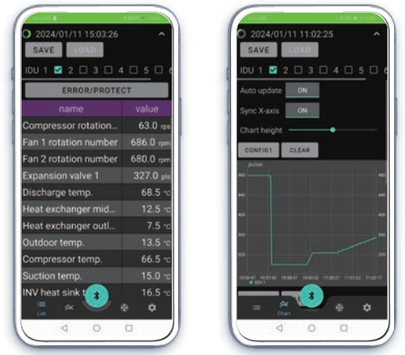
AIRSTAGE Service Monitor Tool



Refrigerant cycle diagram display

The operating status can be displayed with a simple, clear diagram*2 on the smart device. It reduces the time for diagnosis and makes diagnosis easier.
It can complement abundant experience and advanced knowledge of refrigerant cycle. This shortens the training time for service personnel.

*2 list and graph displays are also available



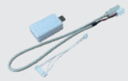
*The values in the pictures are examples.

Specifications

	UTY-ASSXZ1
Dimensions (H x W x D) (mm)	20 x 35 x 60 (adapter)
Communication cable (cm)	60
Weight (g)	25 (adapter)
Communication method	Bluetooth 5.3
Max. communication distance (m)	10*3
Compatible device	Android8.0 or above

*3 Depends on the environment

Function List

			UTY-ASSXZ1	UTY-ASSX
				
Product specification	Installation		Outdoor unit PCB	Outdoor unit PCB
	Communication		Bluetooth	Wired
Support product type	Split		●	●
	Multi-split		●	●
	ATW		●	●
	VRF		–	–
Function	Product distinction		●	●
	Signal-type distinction		●	●
	Operating status display	List	●	●
		Graph	●	●
		Refrigerant cycle diagram	●	–
	Adapter firmware update		●	–
	Adapter status monitoring		●	–
	Input and output of history data		●	●

Service tool

UTY-ASGXZ1

Extensive monitoring and analysis functions that make installation and maintenance easier

- The operation status of the system can be monitored and analyzed to detect any malfunctions.
- Data on the operation status of the system can be stored on a computer to allow for remote access.
- Up to 400 indoor units in a single VRF network system can be controlled and monitored for a large building or hotel.
- This software can be connected to any point of transmission line with a USB adapter (locally available).

* Saved data can be displayed offline. Note that the data saved by the following software applications cannot be displayed.
  - UTR-YSTB/UTR-YSTC (Service tool)
  - UTR-YMSA (Web monitoring tool)

Automatic operation check for refrigeration cycles

Once installed, the Service tool automatically checks for refrigeration cycles. The self-diagnosis function determines whether each sensor value is normal, which reduces the need for manual checks. The result of a diagnosis can be provided in a report.

Use the result of a self-diagnosis only as a guide and use your own judgment to make a final decision.

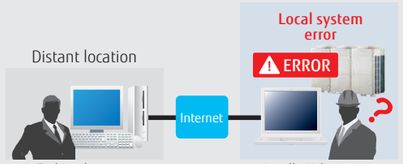
These sensor values are checked automatically:

- ☑ the discharge temperature is normal, "OK"
- ☑ the super heat volume is normal, "OK"
- ☑ the high pressure pipe value is normal, "OK"
- ☑ the low pressure pipe value is normal, "OK"

And the values for other items will also be diagnosed.

Remote technical support and maintenance

On-site check screen can be shared between on-site staff and a service technician in a remote location. When a service technician visits the site for troubleshooting, the system's operation status can be shared in real time with a remote service center for assistance. On-site staff can have an online chat with a remote service center to get further assistance.



Trend charts

Previous-generation application could display only 3 sets of data from sensors. However, the current generation of the service tool displays multiple charts simultaneously so that refrigeration cycles can be monitored and checked in greater detail.

Computer requirements

	UTY-ASGXZ1
Operating system	• Microsoft® Windows® 7 Professional (32-bit or 64-bit) SP1 • Microsoft® Windows® 8.1 Pro (32-bit or 64-bit) • Microsoft® Windows® 10 Pro (32-bit or 64-bit)
CPU	1 GHz or higher
Memory	• 1 GB or more (for Windows® 7 [32-bit], Windows® 8.1 [32-bit], and Windows® 10 [32-bit]) • 2 GB or more (for Windows® 7 [64-bit], Windows® 8.1 [64-bit], and Windows® 10 [64-bit])
HDD	40 GB or more of free space
Screen resolution	1366 × 768 pixels or higher
Interface	• USB port for U10 USB Network interface and software protection key
Software	Internet Explorer® 11 or Microsoft Edge

Packing list

Name	Quantity	Application
White-USB-key (Software protection key)	1	Software protection key to be connected to a USB port on a Service tool-installed computer. This software runs only on a computer with WibuKey.

•Computer requirements
•Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model namer: 75010R) (Required for each VRF Network)

Web monitoring tool

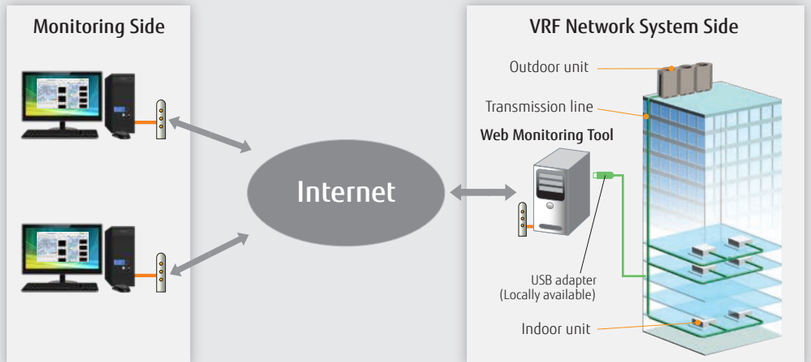
UTY-AMGXZ1

Features

- Troubleshooting is performed by monitoring each air conditioning unit remotely during a periodical system check.
- An error notification is automatically transmitted to several locations via the internet*1.
- Requires either a dedicated internet connection or landline to operate.
- The occurrence of an error can be confirmed through an error alert and equipment status information obtained from a remote location.
- Monitoring data can be downloaded in a remote location. These data can be accessed and displayed even when the service tool is in offline mode.
- Can be viewed on the monitoring computer's Web browser without installing any special software.

*1: Internet e-mail access required.

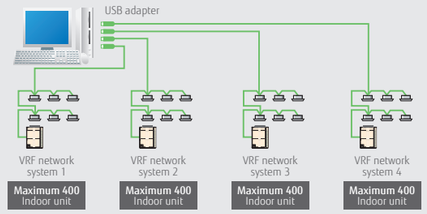
Web Monitoring System



Supporting up to 4 VRF network systems

Up to 4 USB adapters can be connected to a computer, enabling the monitoring of up to 1,600 indoor units.

Suitable for use in a large building or hotel.



Computer requirements

	UTY-AMGXZ1
Operating system	• Microsoft® Windows® 7 Professional (32-bit or 64-bit) SP1 • Microsoft® Windows® 8.1 Pro (32-bit or 64-bit) • Microsoft® Windows® 10 Pro (32-bit or 64-bit)
CPU	1 GHz or higher
Memory	• 1 GB or more (for Windows® 7 [32-bit], Windows® 8.1 [32-bit], and Windows® 10 [32-bit]) • 2 GB or more (for Windows® 7 [64-bit], Windows® 8.1 [64-bit], and Windows® 10 [64-bit])
HDD	40 GB or more of free space
Screen resolution	1366 × 768 pixels or higher
Interface	• USB ports (one for U10 USB Network interface and up to 4 ports for software protection keys) • Interface for remote connection: - Landline: Modem is required. - Internet using LAN: Ethernet port is required.
Software	Internet Explorer® 11 or Microsoft Edge

Packing list

Name	Quantity	Application
White-USB-key (Software protection key)	1	Software protection key to be connected to a USB port on a Service tool-installed computer. This software runs only on a computer with WibuKey.

•Computer requirements
•Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model name: 75010R) (Required for each VRF Network)