

AIR CONDITIONING

PRODUCT CATALOGUE 2018

AIR CONDITIONERS LINEUP



FUJITSU GENERAL AIR CONDITIONING (UK)

OUR SOLUTIONS FOR ALL APPLICATIONS





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

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OUR MESSAGE

INNOVATION & GLOBALISATION

Providing a Brand New Tomorrow to Everyone on Earth



DESIGN FOR COMFORT



DESIGN FOR CONTROL



DESIGN FOR FUTURE

FUJITSU GENERAL



Cassette Circular Flow: Beautiful design from all angles

DESIGN FOR COMFORT

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



KX
Series **nocria™ X**

Comfort by Design with Advanced Technology



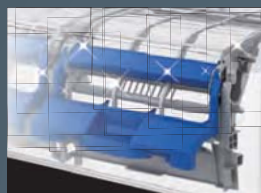
- *1: Announced 2012. In room air conditioner for the home (Our company's investigation)
- *2: Announced 1994. In room air conditioner for the home (our company's investigation)
- *3: Announced 2012. In room air conditioner for the home (Our company's investigation)
- *4: Announced 1991. In room air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



The Dual Side Fans^{*1}



Power Diffuser^{*2}



Filter Auto Clean^{*3}



Lambda Heat Exchanger^{*4}

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

Comfortable Airflow Design



Circular airflow control without temperature unevenness.

Cassette Circular Flow

- Improved installation in office environments
- Optimum operation by monitoring the room temperature and people's movement with optional sensor



Beautiful Space Design



Compact Cassette Grille Type for VRF system: This fits grid ceiling system.



KG Wall Mounted: KG Series



Wall Mounted: Many globally authoritative design awards attained.



reddot design award winner 2012



DESIGN FOR CONTROL

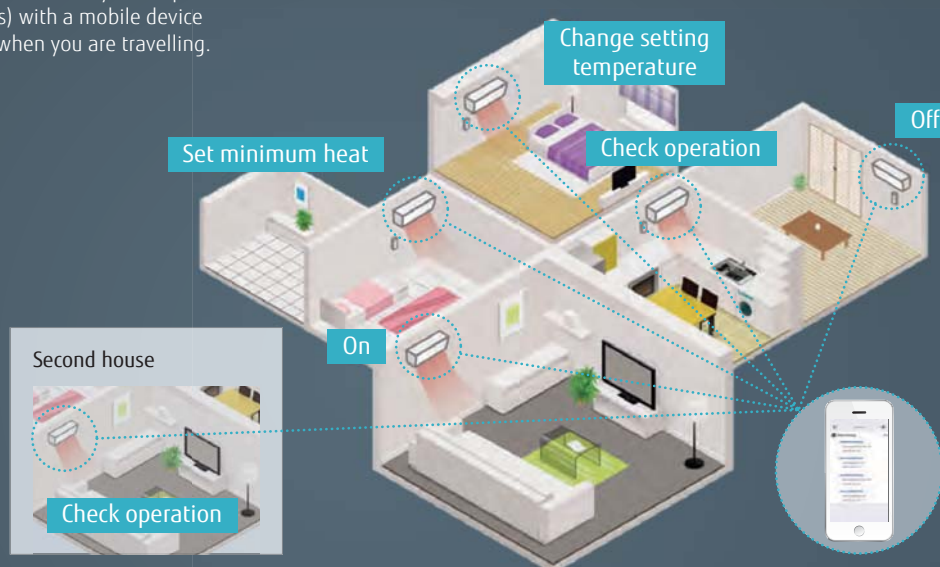
Using the Internet of Things (IoT), Fujitsu General actively provides services that allow users to control air conditioners from their smartphones.

We will expand open co-creation efforts with external partners and deepen our use of IoT and artificial intelligence (AI) to develop new functions and services in efforts to develop secure, convenient air conditioners.

Operation from Anywhere

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

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



User Friendly Interface

User friendly screen display facilitates easy operation.

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



Wireless LAN Interface

The exclusive Wi-Fi adaptor enables operation of the air conditioner by smartphone or tablet PC from outside.





DESIGN FOR FUTURE

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



Design with small refrigerant

Significantly reduce the system refrigerant volume by new small indoor unit, piping design and optimised heat exchanger volume design. The minimised refrigerant volume may allow the application to prevent the installation of a refrigerant leak detector required under EN 378.

AIRSTAGE™ J-III L

Green Aspect for Refrigerant

EU strengthen F-gas Regulation introduced 2014.

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

Key elements

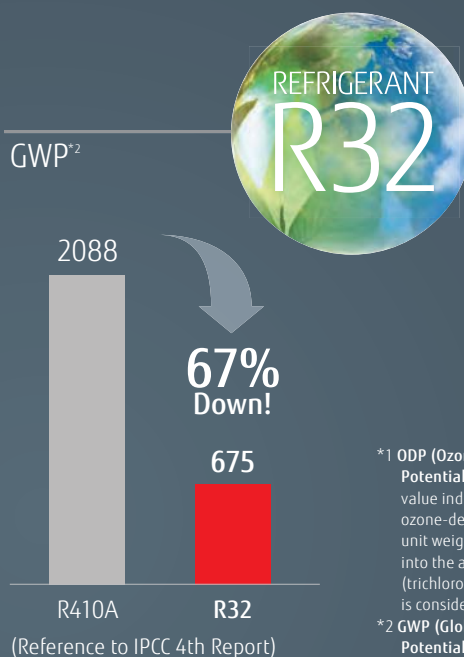
- Phase down approach
- Quota allocation
- Restrictions on the placing on the market
- Traceability of HFC contained in pre-charged equipment

Fujitsu General work on the reduction of HFC with innovative efforts

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

Key points

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



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

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



Our Pioneering Efforts Make Green Future

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

20% Less Primary Energy Use

Fujitsu General products with high efficiency and therefore low electricity

20% Less CO₂ Emissions

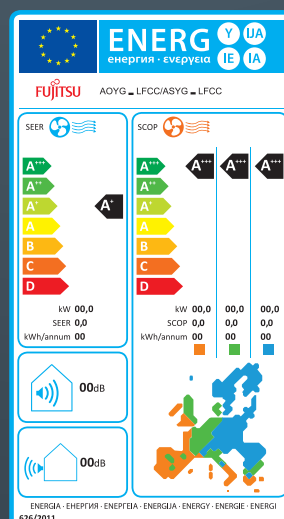
Fujitsu General products closely following the F-gas regulation 842/2006/EC

20% Share of Renewable Energy

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

New Energy Labelling Requirement 626/2011/EU:

Our Air Conditioners have reached the "Class A" ranking, the highest energy efficiency level that is now shown on energy labels in Europe.



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

AIRSTAGE™/RAC SUPPORT TOOL

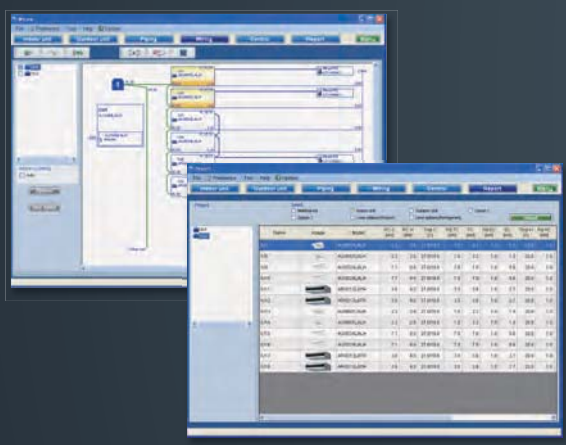
Put the charts and pens away and design your projects on your computer with ease using the Design Simulator. Everything from selecting indoor and outdoor units, allocating controls and optional parts to designing the piping and wiring systems is made easier using the program's built-in features.

Once your project is designed take advantage of the Export functions to easily get materials lists, product specifications, refrigerant calculations and more - it'll even export to Word, Excel, or Acrobat formats, and group the relevant CAD data for your project.

Design Simulator

Automatically create model selection information

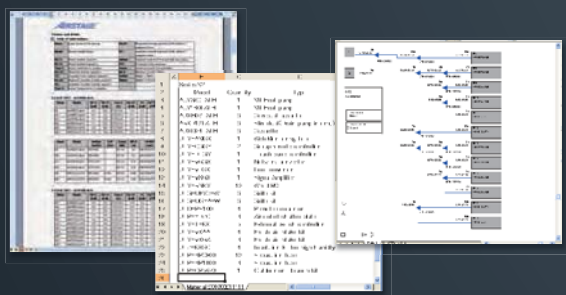
- Each unit can be automatically set by entering the required performance, type, and temperature conditions for each indoor unit and then dragging and dropping into the outdoor unit.
- Piping and wiring diagrams can be created automatically and it is easy to set branches, grouping, and options.
- The additional refrigerant charging amount is automatically calculated when the pipe length is entered.
- It is also easy to set the remote controller groups, central controller and converters.
- The equipment list including the equipment information is created automatically.



Output the format that matches the application

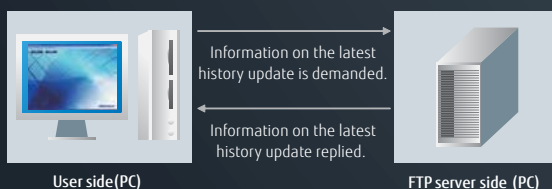
The information specific to your project can be exported in a number of industry standard file formats.

- Word format (rtf)(doc)
- Excel format (csv)
- Acrobat format (pdf)
- Auto CAD format (DXF)
- 2D Data (DXF)
- 3D Data (RFA)



Update your Design Simulator

Database can be easily updated online using AutoUpdate function through FTP.

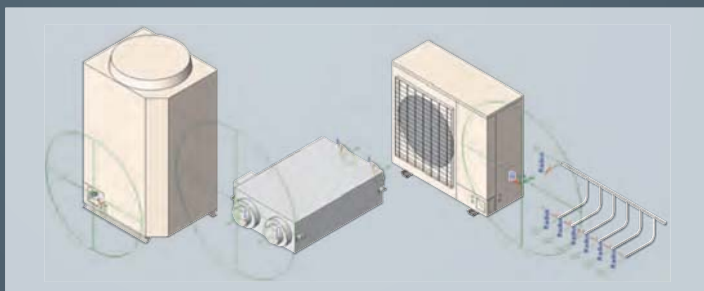


BIM Building Information Modeling

Fujitsu General provides the Building Information Modeling (BIM) object models and contents for our VRF system and some products to the architect, designer and contractor using Autodesk® Revit® technology from our Website and Autodesk® Seek Website, etc.

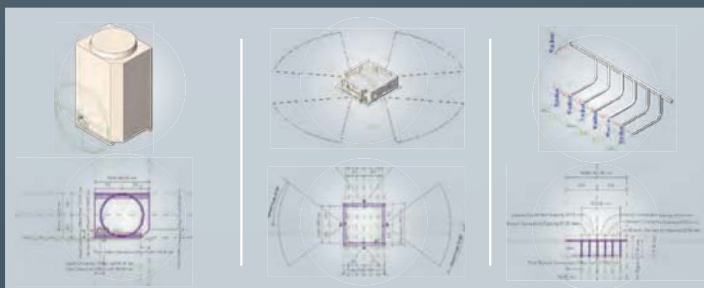
3D and 2D product data

We provide 3D data that closely resemble the actual product appearance. 2D CAD design operations are supported and 2D display is also provided. The data can also be output in other formats, such as DXF and DWG, which are used by other design CAD.



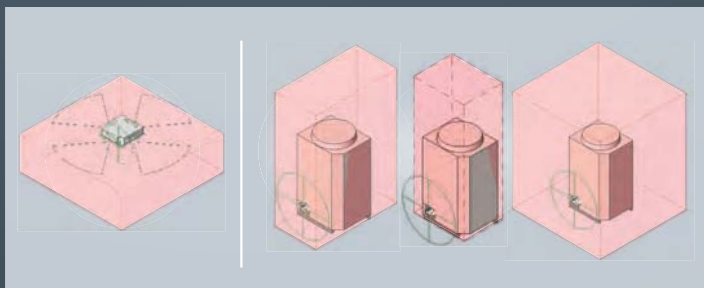
Installation limitation

The equipment installation limitation range is shown. Installation requirements, such as distance from the wall, is automatically displayed to make it easy to produce highly reliable layout designs.



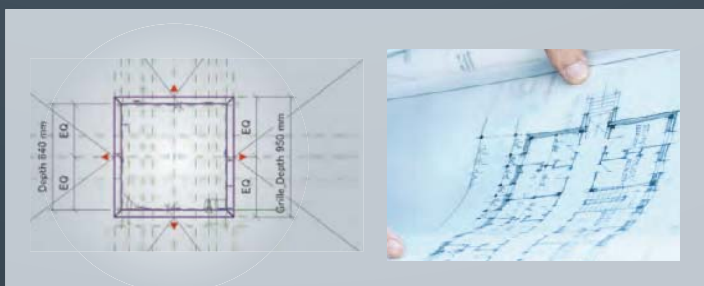
Installation information

Other information, such as symbols showing the airflow direction that are required for installation drawings, is built in and can be automatically reflected in 2D drawings. Installation drawings can be created easily.



Product specifications & link information

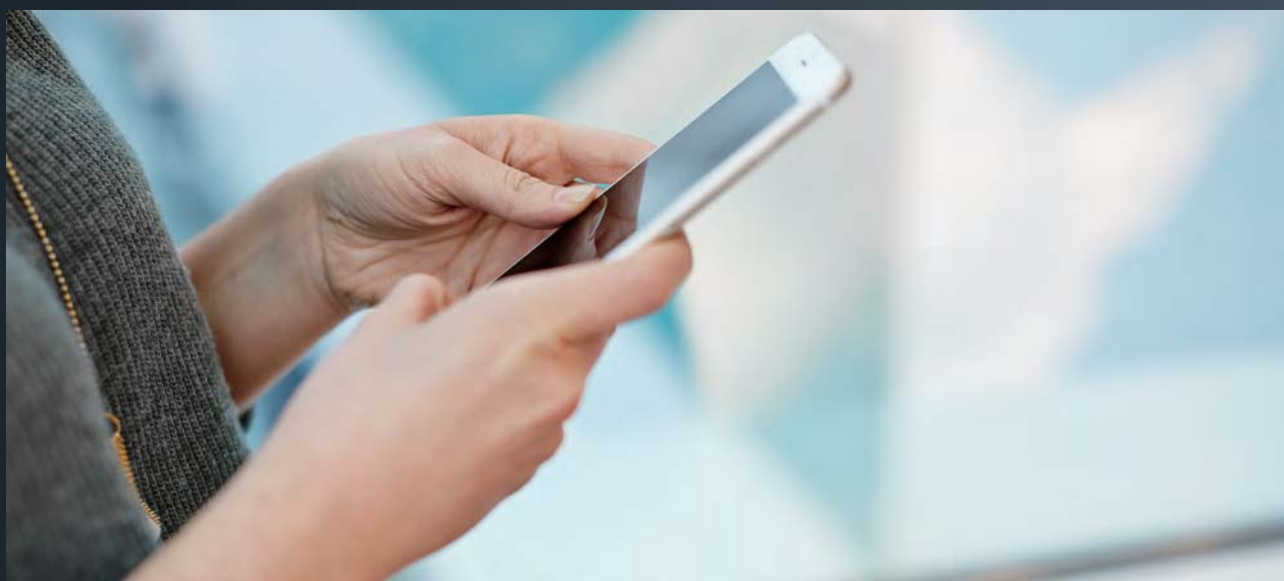
Contains the basic information required for air conditioner design, including unit size, capacity, input power, noise, and airflow rate. This data can be procured from the Fujitsu General Website, Design Simulator, and Autodesk® Seek Website.



QUICK SERVICE & MAINTENANCE

If trouble should occur in a unit or system, abundant support tools such as trouble code display at the product, Service Tool that allows checking of the detailed status of the entire system, and remote monitoring tool that uses the internet, etc. support quick service and maintenance anywhere and at any time.

Mobile troubleshooting tool for iPhone & Android



We have released a Troubleshooting Tool App to be used on Android and Apple products. This application is a troubleshooting tool for Fujitsu General air conditioning products (RAC/VRF)

It helps you to check for Error codes, Sensor check, Troubleshooting and to check the condition of the air conditioner.



Available on the
App Store



ANDROID APP ON
Google play



Mobile Technician **FREE**



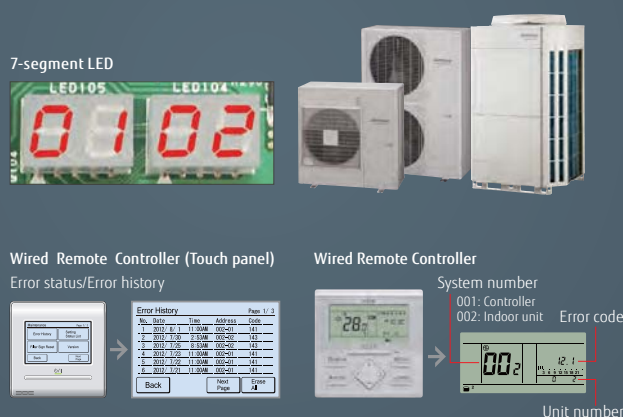
Easy maintenance & monitoring

Design for easy maintenance

The air conditioner operating status and error status of that detailed are displayed at the 7-segment of the outdoor unit PCB or on the remote controller screen.

The unit status can be checked rapidly and a quick response is also possible.

- Operation mode status
- Discharge temperature/Pressure status
- Compressor operation indication
- Address/Type/Number of outdoor unit
- Error code.

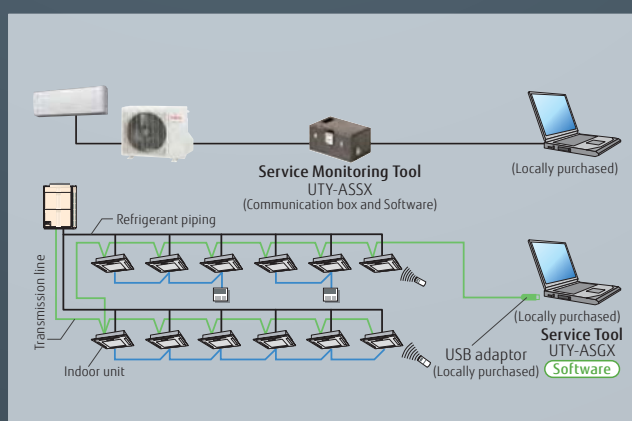


Error diagnosis by Service Tool

The unit status details from single split models to VRF system can be checked on a PC screen by connecting the Service Tool.

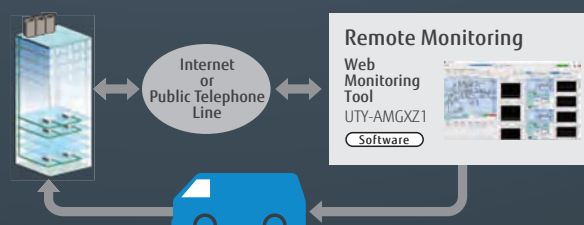
Quick countermeasures can be taken

- Operation status/control
- Monitoring operating condition
- Monitoring sensor data
- Indication of trend graph
- Error history
- Indication of refrigerant circuit diagram (For VRF)



Remote monitoring

VRF system operating status and trouble status details can be constantly and remotely monitored over the Internet, etc. Rapid cooperation with the service personnel is also possible.



2018 NEW PRODUCTS



Wall Mounted Standard Range Series

High Efficiency & Comfort

Page 030

- 7/9/12/14 class 4 models
- High performance and low noise model with an emphasis on its design
- Slim & stylish square design
- High energy saving
- Comfortable airflow & silent operation



VRF

Indoor Units for VRF

Page 140 - 141

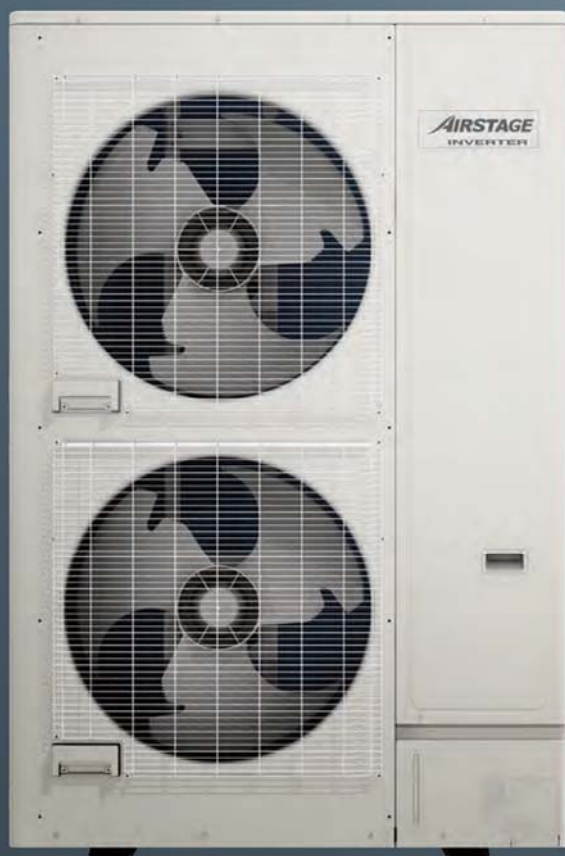


Wall Mounted

- 12/14 class 2 models,
- High efficiency compact design
- More comfort airflow
- Human sensor increases more energy saving
- 6 Fan speed control

Compact Cassette Grille

- 04-24 class 7 models
- Compact and stylish panel design
- Flexible installation
- Easy maintenance



AIRSTAGE J-III L

14/16 HP models

Page 118

- 14/16 HP 2 models
- For light commercial use outdoor units
- Refrigerant saving design to keep down initial costs
- Quiet design suitable for the noise sensitive properties such as small offices in urban areas



PRODUCT LINEUP

SPLIT SYSTEMS



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

An air conditioner that is people-friendly is also environmentally friendly. Fujitsu General offers a broad lineup of products from large living rooms to bedrooms and children's rooms.

020 SPLIT Indoor Units Lineup

022 Feature Explanation



SPLIT

Refrigerant type R32 models

026 Wall Mounted Flagship Range Series

028 Wall Mounted Designer Range Series

- High Spec & Design

030 Wall Mounted Standard Range Series

- High Efficiency & Comfort

Refrigerant type R410A models

032 Wall Mounted Designer Range Series

- High Spec & Design

- High COP

036 Wall Mounted Standard Range Series

- High Efficiency & Comfort

- Comfort for Large Room

042 Wall Mounted ECO Range Series

- Compact & Comfort

044 Compact Cassette 4-way Flow Series

046 Cassette Circular Flow Series

048 Cassette 4-way Flow Series

050 Mini Duct

052 Slim Duct

054 Medium Static Pressure Duct

058 High Static Pressure Duct

060 Big Duct

062 Floor

064 Floor/Ceiling

066 Ceiling

PRODUCT LINEUP: SPLIT & MULTI SPLIT

SPLIT Indoor Units Lineup

Type	Series	Refrigerant	Model		BTU kW	7 2.2	9 2.8	12 3.5
Wall Mounted Page 026~	Flagship Range Series nocria X			ASYG-- KXCA			● 09	● 12
	Designer Range Series High Spec & Design			ASYG-- KGTA	● 07	● 09	● 12	
	Standard Range Series High Efficiency & Comfort			ASYG-- KMTA 	● 07*	● 09*	● 12*	
	Designer Range Series High Spec & Design	R410A		ASYG-- LTCA		● 09	● 12	
	Designer Range Series High COP			ASYG-- LUCA	● 07	● 09	● 12	
	Standard Range Series High Efficiency & Comfort			ASYG-- LMCE	● 07	● 09	● 12	
	Standard Range Series Comfort for Large Room			ASYG-- LFCA, LFCC				
				ASYG-- LMTA				
ECO Range Series Compact & Comfort		ASYG-- LLCE		● 09	● 12			
Cassette Page 044~	Compact 4-way Flow Series Compact & Comfort	R410A		AUYG-- LVLB, LVLA			● 12LVLB	
	Circular Flow Series Comfort for Large Room			AUXG-- LRLB				
	4-way Flow Series Comfort for Large Room			AUYG-- LRLE, LRLA				
Duct Page 050~	Mini Duct	R410A		ARYG-- LSLAP			● 12*	
	Slim Duct			ARYG-- LLTB			● 12	
	Medium Static Pressure Duct Compact & Comfort			ARYG-- LHTBP			● 12	
	Medium Static Pressure Duct Standard			ARYG-- LMLA, LMLE				
	High Static Pressure Duct			ARYG-- LHTA				
	Big Duct			ARYG-- LHTA				
Floor Compact & Comfort Page 062		R410A		AGYG-- LVCA		● 09	● 12	
Floor/Ceiling Comfort & Dual Design Page 064		R410A		ABYG-- LVTB, LVTA				
Ceiling Comfort for Large Room Page 066		R410A		ABYG-- LRTE, LRTA				

14 4.5	18 5.2	24 7.1	30 8.5	36 10	45 12.5	54 14	60 15	72 19	90 22
● 14									
● 14*									
● 14									
● 14									
	● 18LFCA	● 24LFCC							
			● 30	● 36					
● 14LVLB	● 18LVLB	● 24LVLA							
	● 18	● 24	● 30	● 36	● 45	● 54			
			● 30LRLE	● 36LRLE 36LRLA	● 45LRLA	● 54LRLA			
● 14*	● 18*								
● 14	● 18								
● 14	● 18	● 24	● 30	● 36	● 45	● 54			
		● 24LMLA	● 30LMLE	● 36LMLE 36LMLA	● 45LMLA				
					● 45	● 54	● 60		
								● 72*	● 90*
● 14									
	● 18	● 24							
			● 30LRTE	● 36LRTE 36LRTA	● 45LRTA	● 54LRTA			

More Comfort



Powerful heating

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



Feature Explanation



Energy Saving Function



Dual side fans

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



Economy mode

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



Save human sensor

Human sensor detects the movement of people in the room to operate the energy saving function operation.



Room temperature set point limitation

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



Save & Stop human sensor

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



Set temperature auto return

The setting temperature automatically returns to the previously set temperature.

Comfortable Function



Powerful heating

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



Powerful mode

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



Auto-changeover

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



Automatic fan speed

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



Fresh air intake

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



Power diffuser

An additional louvre that opens based on monitoring sensors to quickly enhance immediate comfort needs.



10°C HEAT operation

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.



Up/down swing flaps

The up/down flaps automatically swing up and down.



Auto restart

In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once power supply is restored.



Connectable distributing duct

Systems are capable of attaching locally purchased branch ducts distributing the airflow.



Server room operation

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



Low noise mode

Sound noise level of outdoor unit can be selected.



Double swing automatic

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



Connectable fresh air duct

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



Individual airflow direction control

Each louvre of 4-way Cassette type can be controlled individually and provides comfortable airflow.

Convenient Function



Auto off timer

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



Weekly timer

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



External error output



Sleep timer

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



Weekly + setback timer

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



External ON/OFF input



Program timer

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



Filter sign

Indicates the filter cleaning period by lamp.



Wireless LAN control

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

Clean Function



Plasma air clean

The electrostatic precipitator removes dust particles such as pollens and house dust. It is washable so can be kept clean.



Apple-catechin filter

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



Filter auto clean

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



Long life filter



Ion deodorisation filter

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



Washable panel

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

Installation



Automatic airflow adjustment

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



Drain pump as standard



Blue fin



ALL DC models



i-PAM control models

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



V-PAM control models

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

Feature Summary

Type		Wall Mounted									
Series		Flagship Range	Designer Range	Standard Range	Designer Range		Standard Range			ECO Range	
											
Model No.		ASYG 09/12 KXCA	ASYG 07/09/12/14 KGTA	ASYG 07/09/12/14 KMTA	ASYG 09/12 LTCA	ASYG 07/09/12/14 LUCA	ASYG 07/09/12/14 LMCE	ASYG18 LFCA, ASYG24 LFCC	ASYG 30/36 LMTA	ASYG 09/12 LLCE	
						 	 	 			
Energy Saving Function	 Dual side fans	●									
	 Save human sensor	●	●		●				●		
	 Save & Stop human sensor										
	 Economy mode	●	●	●	●	●	●	●	●	●	
	 Room temperature set point limitation		○	○	○	○	○	○	○		
	 Set temperature auto return		○	○	○	○	○	○	○		
Comfortable Function	 Powerful heating				●						
	 Power diffuser	●					●	●			
	 Server room operation								●		
	 Powerful mode	●	●	●	●	●	●		●	●	
	 10°C HEAT operation	●	●	●	●	●	●	●	●		
	 Low noise mode	●	●	●	●	●	●		●		
	 Auto-changeover	●	●	●	●	●	●	●	●	●	
	 Up/down swing flaps		●	●	●	●	●			●	
	 Double swing automatic	●						●	●		
	 Automatic fan speed	●	●	●	●	●	●	●	●	●	
	 Auto restart	●	●	●	●	●	●	●	●	●	
	 Connectable fresh air duct										
	 Fresh air intake										
	 Connectable distributing duct										
	 Individual airflow direction control										
Convenient Function	 Auto off timer		○	○	○	○	○	○	○		
	 Sleep timer	●	●	●	●	●	●	●	●	●	
	 Program timer	●	●	●	●	●	●	●	●	●	
	 Weekly timer		●	○	●	●			●		
	 Weekly + setback timer		○	○	○	○	○	○	○		
	 Filter sign		●	●	●	●	●	●	●	●	
	 External error output		○	○	○	○	○	○	○		
	 External ON/OFF input		○	○	○	○	○	○	○		
	 Wireless LAN control	●	○	○	○	○	○	○	○		
Clean Function	 Plasma air clean	●									
	 Filter auto clean	●									
	 Ion deodorisation filter		○	○	●	●	●	●	●		
	 Apple-catechin filter		○	○	●	●	●	●	●		
	 Long life filter										
Installation	 Washable panel						●	●		●	
	 Automatic airflow adjustment										
	 Drain pump as standard										
								●	●		

Cassette			Duct						Floor	Floor/Ceiling	Ceiling
Compact 4-way Flow	Circular Flow	4-way Flow	Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure		High Static Pressure	Big			ECO Range
AUYG 07/09/12/14/18 LVLB, AUYG 24LVLA	AUXG 18/24/30/ 36/45/54 LRLB	AUYG 30/36/LRLE, AUYG 36/45/54 LRLA	ARYG 07/09/ 12/14/18 LSLAP	ARYG 07/09/ 12/14/18 LLTB	ARYG 12/14/18/ 24/30/36/ 45/54 LHTBP	ARYG 24/36/ 45/LMLA, ARYG 30/36/LMLE	ARYG 45/54/60 LHTA	ARYG 72/90 LHTA	AGYG 09/12/14 LVCA	ABYG 14/18/LVTB, ABYG 24/LVTA	ABYG 30/36 LRTE, ABYG 36/45/54 LRTA
	○										
●	●	●	●	●	●	●	●	●	●	●	●
○	●	○	●	○	●	○	○	●	○	○	○
○	●	○	●	○	●	○	○	●	○	○	○
●	○	○	○	○	○	○	○ (60)	○	●	●	●
	○ (45/54)				○ (45/54)	○ (45)(36/LMLA)	○	○			○ (45/54)(36/LRTA)
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	○	○					●		
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	● (30/36/45/54)	● (45/54)			● (30/36/45/54)	● (45)	●	●			● (45)

○: Optional function

PRODUCT LINEUP: SPLIT

Wall Mounted Flagship Range



nocria™X



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



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



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

Filter Auto Clean



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



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

Plasma Air Clean

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



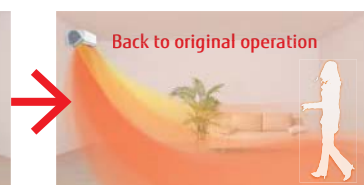
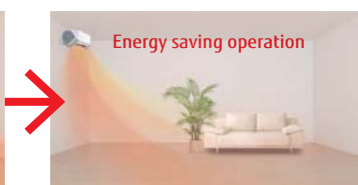
Human Sensor

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



SEER **8.5**^{*1} SCOP **5.1**^{*1}

*1: All classes



Model: ASYG09KXCA / ASYG12KXCA



Wireless R.C.

Wireless
LAN Interface

DUAL BLASTER

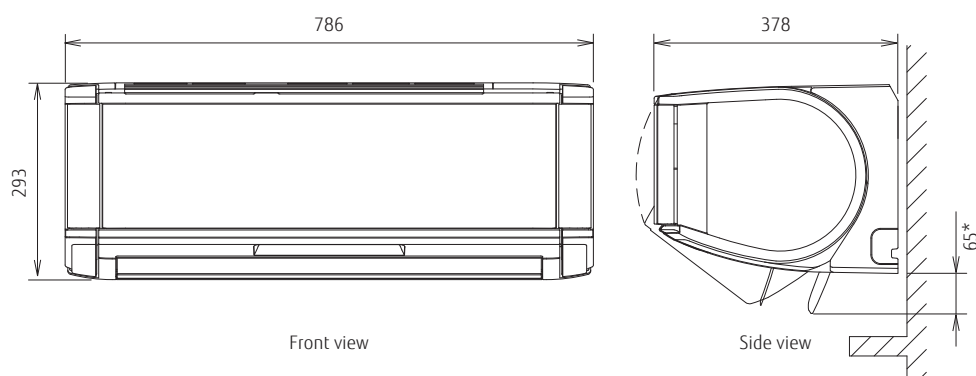


Specifications

Model No.	Indoor unit		ASYG09KXCA		ASYG12KXCA	
	Outdoor unit		AOYG09KXCA		AOYG12KXCA	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.5 (0.6-3.5)		3.4 (0.6-5.3)	
	Heating		3.6 (0.6-7.1)		5.0 (0.6-9.0)	
UK Total/Sensible Cooling			2.55/1.98		.58/2.76	
Input Power	Cooling/Heating	kW	0.460/0.630		0.670/1.020	
EER	Cooling	W/W	5.45		5.09	
COP	Heating		5.72		4.90	
Pdesign	Cooling/Heating(-10°C)	kW	2.5/3.4		3.4/3.5	
SEER	Cooling	W/W	8.50		8.50	
SCOP	Heating (Average)		5.10		5.10	
Energy Efficiency Class	Cooling		A+++		A+++	
	Heating (Average)		A+++		A+++	
Max. Operating Current	Cooling/Heating	A	8.5/14.0		9.0/16.0	
Annual Energy Consumption	Cooling	kWh/a	103		140	
	Heating		934		961	
Moisture Removal		l/h	1.1		1.2	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	46/42/38/28		46/42/38/28	
	Indoor (Heating)	H/M/L/Q	48/43/39/30		48/43/39/30	
Sound Power Level	Outdoor(Cooling/Heating)	High	40/41		44/43	
	Indoor(Cooling/Heating)	High	58/62		58/62	
Airflow Rate	Outdoor(Cooling/Heating)	High	53/57		57/57	
	Indoor / Outdoor (Cooling)	High	670/1,975		670/2,230	
	Indoor / Outdoor (Heating)		810/1,820		810/1,975	
Net Dimensions H x W x D	Indoor	mm	293×786×378			
		kg	20			
Weight	Outdoor	mm	704×820×315			
		kg	41			
Suggested MCB Size		Amp	16			
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4			
Max Pipe Length (Pre-Charge)		m	15 (15)			
Max Height Difference			10			
Operation Range	Cooling	°CDB	-10 to 43			
	Heating		-15 to 24			
Refrigerant	Type		R32			
	Charge	g	1300			
	Additional Charge	g/m	0			
System List Price		£	2120		2461	

Dimensions

(Unit : mm)



*Dimensions in case of air flowing downward

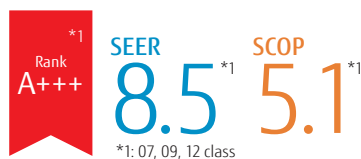
Wall Mounted Designer Range

High Spec & Design



High energy saving

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



Hybrid-heat exchanger

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

Ø 5mm
Hi-density heat
exchanger



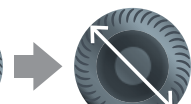
Ø 7mm
Large heat
exchanger

Ø107 Large cross-flow fan

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



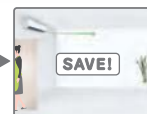
Ø95



Ø107

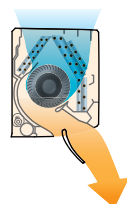
Human sensor

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



Comfortable airflow & Silent operation

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



19dB(A)

(07/09/12)

Only cooling
14 model is 20dB(A)

Smartphone Control (Option)

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



Wireless LAN Interface

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

Model: ASYG07KGTA / ASYG09KGTA / ASYG12KGTA / ASYG14KGTA


Wireless R.C.


Specifications

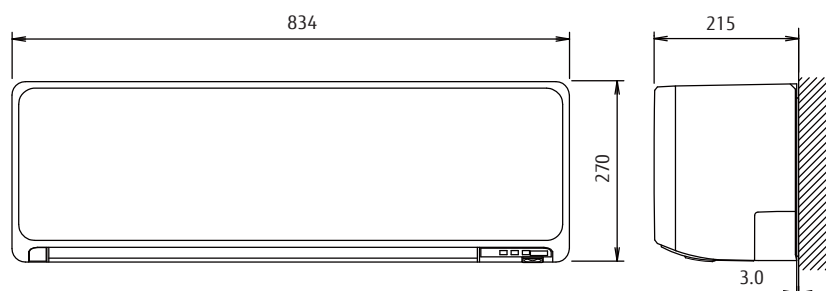
Model No.	Indoor unit		ASYG07KGTA	ASYG09KGTA	ASYG12KGTA	ASYG14KGTA	
	Outdoor unit		AOYG07KGCA	AOYG09KGCA	AOYG12KGCA	AOYG14KGCA	
Power Source			Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.00	2.50	3.40	4.20	
	Heating		2.50	2.80	4.00	5.40	
UK Total/Sensible Cooling		kW	2.28/2.11	2.74/2.51	3.31/2.70	3.59/2.89	
Input Power	Cooling/Heating	kW	0.400/0.500	0.555/0.560	0.805/0.910	1.175/1.350	
EER	Cooling	W/W	5.00	4.50	4.22	3.57	
COP	Heating		5.00	5.00	4.40	4.00	
Pdesign	Cooling/Heating(-10°C)	kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0	
SEER	Cooling	W/W	8.52	8.52	8.51	7.11	
SCOP	Heating (Average)		5.12	5.11	5.10	4.31	
Energy Efficiency Class	Cooling		A+++	A+++	A+++	A++	
	Heating (Average)		A+++	A+++	A+++	A+	
Annual Energy Consumption	Cooling	kWh/a	82	103	140	207	
	Heating		628	658	685	1298	
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	High	m³/h	650/1610	700/1610	700/1680	770/1680
Net Dimensions H x W x D Weight	Indoor	mm	270×834×215				
		kg	10				
	Outdoor	mm	542×799×290				
		kg	30	30	31	32	
Remote Controller Type (Supplied With Unit)			Wireless	Wireless	Wireless	Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size		Amp	10	10	10	15	
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5	
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas & Liquid)		Inch	3/8 & 1/4				
Max Pipe Length (Pre-Charge)		m	20 (15)				
Max Height Difference			15				
Operation Range	Cooling	°CDB	-10 to 46				
	Heating		-15 to 24				
Refrigerant	Type		R32				
	Charge	g	750	750	850	850	
	Additional Charge	g/m	20	20	20	20	
List Price		£	810	877	1009	1135	

Optional parts

Wired Remote Controller:	UTYRNRZ2	£161	(Must use with Communication Kit below)
External Input and Output PCB:	UTYXCSX22	£77	
Communication kit:	UTYTWRX22	£70	
Wireless LAN Interface:	UTYTFSXW1	£126	
External connect kit:	UTYXWZX	£9	(Must use with External Input Output PCB above)

Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

NEW

Wall Mounted Standard Range

High Efficiency & Comfort



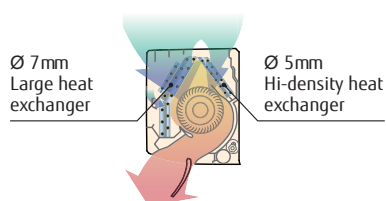
ALL
DC



Slim & stylish square design

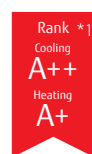
Slim and stylish square design is realised by high density multi-path heat exchanger and high efficiency air flow.

Hybrid-heat exchanger



High energy saving

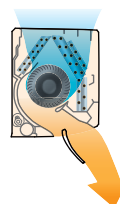
Top class high efficiency is achieved by high efficient lamda heat exchanger, large cross flow fan and new refrigerant.



SEER ^{*1} 7.3 SCOP ^{*1} 4.4
*1: 12 class

Comfortable airflow & Silent operation

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



20dB(A)
Only cooling
14 model is 20dB(A)

Smartphone Control (Option)

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



Wireless LAN Interface

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

Model: ASYG07KMTA / ASYG09KMTA / ASYG12KMTA / ASYG14KMTA


Wireless R.C.



For ASYG07/09/12KMTA



For ASYG14KMTA

Specifications

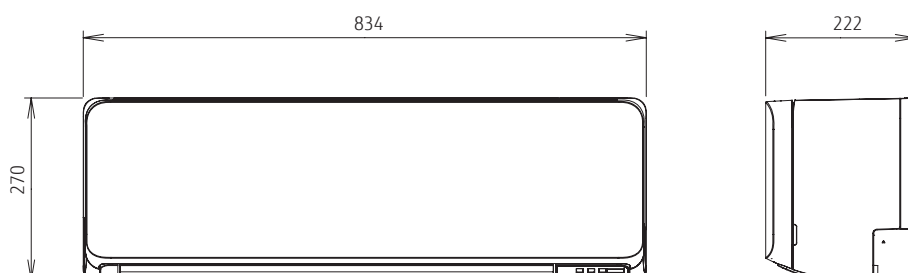
Model No.	Indoor unit		ASYG07KMTA	ASYG09KMTA	ASYG12KMTA	ASYG14KMTA	
	Outdoor unit		AOYG07KMTA	AOYG09KMTA	AOYG12KMTA	AOYG14KMTA	
Power Source			Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)	
	Heating		2.5 (0.9-3.4)	2.8 (0.9-4.0)	4.0 (0.9-5.3)	5.4 (0.9-6.0)	
UK Total/Sensible Cooling		kW	2.59/2.44	2.65/2.50	3.29/2.71	3.65/2.75	
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+	
Annual Energy Consumption	Cooling	kWh/a	97	118	168	213	
	Heating		785	820	813	1366	
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	High	m³/h	650/720	700/750	700/770	770/800
Net Dimensions H x W x D Weight	Indoor	mm	270×834×222	270×834×222	270×834×222	270×834×222	
		kg	10	10	10	10	
	Outdoor	mm	541×663×290	541×663×290	541×663×290	542×799×290	
		kg	23	23	25	31	
Remote Controller Type (Supplied With Unit)			Wireless	Wireless	Wireless	Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size		Amp	10	10	10	15	
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0	
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	
Max Pipe Length (Pre-Charge)			20 (15)	20 (15)	20 (15)	20 (15)	
Max Height Difference			15	15	15	15	
Refrigerant	Type	g	R32	R32	R32	R32	
	Charge		600	600	700	850	
	Additional Charge		g/m	20	20	20	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	
List Price		£	650	699	802	981	

Optional parts

Wired Remote Controller:	UTYRVNYM	£104	(Must use with Communication Kit below)
Simple Remote Controller:	UTYRSNYN	£83	(Must use with Communication Kit below)
External connect kit:	UTYXWZXZ5	£9	(Must use with Communication Kit below)
Communication kit:	UTYTWBXF2	£90	
Wireless LAN Interface:	UTYTFSXW1	£126	
Wireless LAN Interface:	FJRCWIF11	£234	(Must use with Communication Kit above)

Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

Wall Mounted Designer Range

High Spec & Design

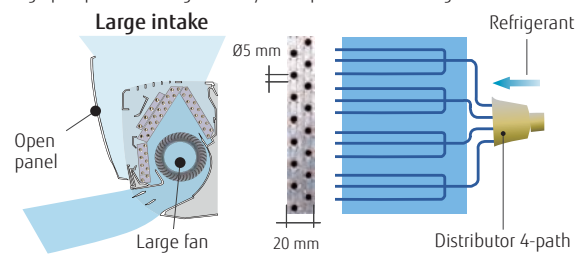


Thin & Slim design

Thin and slim design is realised by high density multi-path heat exchanger and high efficiency fan.



Big open panel and High density multi path heat exchanger



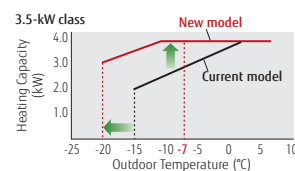
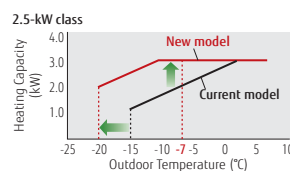
Human sensor

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



Powerful heating

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

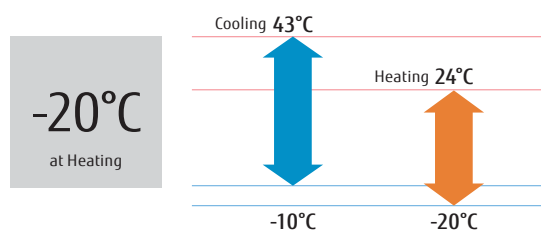


3 Mode timer (Weekly/Program/Sleep)

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



Low ambient operation



Model: ASYG09LTCA / ASYG12LTCA - While stocks last



reddot design award
winner 2012



Wireless R.C.



For ASYG09LTCA



For ASYG12LTCA

Specifications

Model No.	Indoor unit		ASYG09LTCA		ASYG12LTCA		
	Outdoor unit		AOYG09LTC		AOYG12LTC		
Power Source			Single-phase, ~230V, 50Hz				
Nominal Capacity	Cooling	kW	2.50 (0.90-3.50)		3.50 (1.10-4.00)		
	Heating		3.20 (0.90-5.40)		4.00 (0.90-6.50)		
UK Total/Sensible Cooling			2.42/1.59		3.40/2.24		
Power Consumption	Cooling/Heating	kW	0.55/0.66		0.85/0.91		
EER	Cooling	W/W	4.95		4.12		
COP	Heating		4.85		4.40		
Pdesign	Cooling/Heating(-10°C)	kW	2.50/3.00		3.50/4.00		
SEER	Cooling	W/W	8.50		8.50		
SCOP	Heating (Average)		4.60		4.60		
Energy Efficiency Class	Cooling		A+++		A+++		
	Heating (Average)		A++		A++		
Annual Energy Consumption	Cooling	kWh/a	103		144		
	Heating		912		1217		
Moisture Removal			l/h		1.30		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	42/36/32/21		43/37/32/21	
	Indoor (Heating)	H/M/L/Q		42/37/32/21		43/38/32/21	
	Outdoor(Cooling/Heating)	High		48/50		48/49	
Sound Power Level	Indoor(Cooling/Heating)	High		59/61		60/62	
	Outdoor(Cooling/Heating)	High	63/65		64/65		
Airflow Rate	Indoor / Outdoor	High	m³/h	800/1700		850/2050	
Net Dimensions H x W x D Weight	Indoor		mm	282×870×185		282×870×185	
			kg	9.5		9.5	
	Outdoor		mm	540×790×290		620×790×290	
			kg	33		40	
Remote Controller Type			Wireless		Wireless		
Interconnecting Cable (Suggested cable size 1.5mm)			3 core + Earth				
Suggested MCB Size			10		10		
Max. Operating Current	Cooling/Heating	Amp	2.60/3.30		4.00/4.30		
Power Supply To			Outdoor Unit				
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4		3/8 & 1/4		
Max Pipe Length (Factory Gas Charge Pipe Length)		m	20 (15)		20 (15)		
Max Height Difference			15		15		
Refrigerant	Type		R410A		R410A		
	Charge	g	1,050		1,200		
	Additional Charge	g/m	20		20		
Operation Range	Cooling	°CDB	-10 to 43		-10 to 43		
	Heating		-20 to 24		-20 to 24		
System List Price			£	1030	1198		

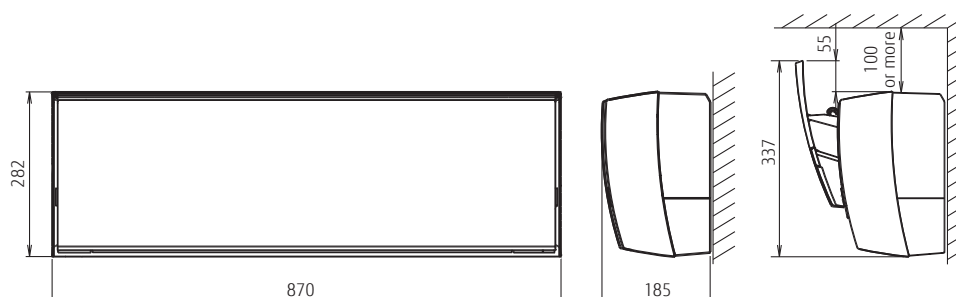
Optional parts

Wired Remote Controller:	UTYRVNYM	£104	(Must use with Communication Kit below)
Simple Remote Controller:	UTYRSNYM	£83	(Must use with Communication Kit below)
External Connect Kit:	UTYXWZXZ5	£9	(Must use with Communication Kit below)
Modbus Interface:	FJRCMBS1	£234	(Must use with Communication Kit below)
KNX Interface:	FJRCNX1i	£265	(Must use with Communication Kit below)
WiFi Interface:	FJRCWIFI1	£234	(Must use with Communication Kit below)
Communication kit:	UTYTWBXF	£90	
Wireless LAN Interface:	UTYTFNXZ1	£143	

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

Wall Mounted Designer Range

High COP



Thin & Slim design

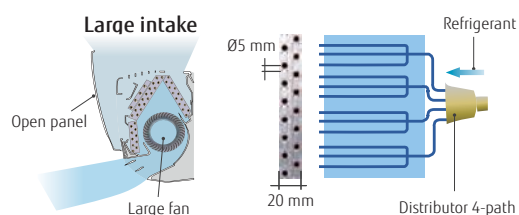
Thin and slim design is realised by Ø5 mm heat exchanger and high efficiency fan.



H282 × W870 × D185

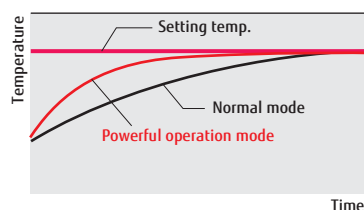
185 mm

Big open panel and High density multi path heat exchanger



Powerful operation

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



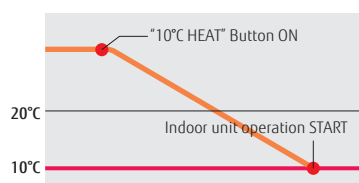
3 Mode timer (Weekly/Program/Sleep)

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

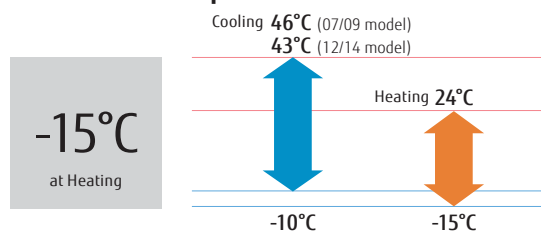


10°C HEAT Operation

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied. *Only available with Wireless RC.



Low ambient operation



Model: ASYG07LUCA / ASYG09LUCA / ASYG12LUCA / ASYG14LUCA - While stocks last

 reddot design award
winner 2012


Wireless R.C.



For ASYG07/09LUCA



For ASYG12/14LUCA

Specifications

Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA	
	Outdoor unit		AOYG07LUCA	AOYG09LUCB	AOYG12LUC	AOYG14LUC	
Power Source			Single-phase, ~230V, 50Hz				
Nominal Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)	
	Heating		3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)	
UK Total/Sensible Cooling			1.94 / 1.30	2.42 / 1.59	3.40 / 2.24	4.07 / 2.73	
Power Consumption	Cooling/Heating	kW	0.46/0.74	0.55/0.68	0.91/0.93	1.24/1.38	
EER	Cooling	W/W	4.35	4.50	3.87	3.40	
COP	Heating		4.05	4.71	4.30	3.91	
Pdesign	Cooling/Heating(-10°C)	kW	2.00/2.60	2.50/2.80	3.50/3.90	4.20/4.80	
SEER	Cooling	W/W	7.20	7.10	7.05	6.78	
SCOP	Heating (Average)		4.02	4.10	4.00	4.00	
Energy Efficiency Class	Cooling		A++	A++	A++	A++	
	Heating (Average)		A+	A+	A+	A+	
Annual Energy Consumption	Cooling	kWh/a	97	123	174	217	
	Heating		887	956	1363	1677	
Moisture Removal			l/h	1.00	1.30	1.80	2.10
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
	Indoor (Heating)	H/M/L/Q		38/35/31/21	42/37/32/21	43/38/32/21	45/40/34/27
Sound Power Level	Outdoor(Cooling/Heating)	High	46/46	48/48	50/50	50/50	
	Indoor(Cooling/Heating)	High	57/59	59/61	60/62	60/64	
	Outdoor(Cooling/Heating)	High	58/58	60/60	65/65	65/65	
Airflow Rate	Indoor / Outdoor	High	m³/h	680/1,720	800/1,720	850/1,940	900/1,940
Net Dimensions H x W x D Weight	Indoor	mm	282×870×185	282×870×185	282×870×185	282×870×185	
		kg	9.5	9.5	9.5	9.5	
	Outdoor	mm	540×660×290	540×660×290	540×790×290	540×790×290	
		kg	23	25	33	34	
Remote Controller Type			Wireless	Wireless	Wireless	Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size			Amp	10	10	10	16
Max. Operating Current			Amp	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Starting Current			Amp	3.40	3.40	4.70	6.30
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas / Liquid)			Inch	3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	1/2 & 1/4
Max Pipe Length (Factory Gas Charge Pipe Length)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference				15	15	15	15
Refrigerant	Type		R410A	R410A	R410A	R410A	
	Charge	g	700	850	1,050	1,050	
	Additional Charge	g/m	20	20	20	20	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 43	-10 to 43	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	
System List Price			£	870	931	1082	1246

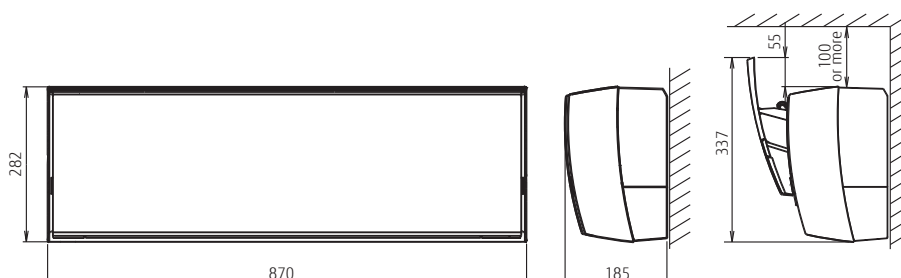
Optional parts

Wired Remote Controller:	UTYRVNYM	£104	(Must use with Communication Kit below)
Simple Remote Controller:	UTYRSNYM	£83	(Must use with Communication Kit below)
External Connect Kit:	UTYXWZXZ5	£9	(Must use with Communication Kit below)
Modbus Interface:	FJRCMBS1	£234	(Must use with Communication Kit below)
KNX Interface:	FJRCKNX1i	£265	(Must use with Communication Kit below)
WiFi Interface:	FJRCWIFI1	£234	(Must use with Communication Kit below)
Communication kit:	UTYTWBXF	£90	
Wireless LAN Interface:	UTYTFNXZ1	£143	

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



Wall Mounted Standard Range

High Efficiency & Comfort



High efficiency compact design



More comfort airflow



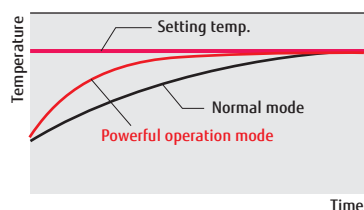
Vertical airflow provides powerful floor level heating



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

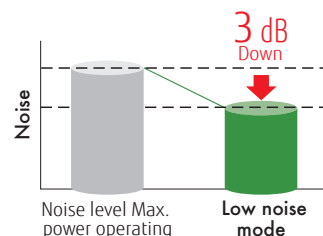
Powerful operation

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



Low noise mode for outdoor unit

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



Model: ASYG07LMCE / ASYG09LMCE / ASYG12LMCE / ASYG14LMCE


Wireless R.C.



For ASYG07/09/12LMCE



For ASYG14LMCE

Specifications

Model No.	Indoor unit		ASYG07LMCE		ASYG09LMCE		ASYG12LMCE		ASYG14LMCE	
	Outdoor unit		AOYG07LMCE		AOYG09LMCE		AOYG12LMCE		AOYG14LMCE	
Power Source			Single-phase, ~230V,50Hz							
Nominal Capacity	Cooling	kW	2.0(0.5-3.0)	2.5(0.5-3.2)	3.4(0.9-3.9)	4.0(0.9-4.4)				
	Heating		3.0(0.5-3.4)	3.2(0.5-4.0)	4.0(0.9-5.3)	5.0(0.9-6.0)				
UK Total/Sensible Cooling			1.94/1.30	2.42/1.59	3.30/2.14	3.87/2.52				
Power Consumption	Cooling/Heating	kW	0.465/0.685	0.65/0.73	0.97/1.02	1.135/1.365				
EER	Cooling	W/W	4.30	3.85	3.50	3.52				
COP	Heating		4.38	4.38	3.92	3.66				
Pdesign	Cooling/Heating(-10°C)	kW	2.00/2.30	2.50/2.40	3.40/3.50	4.00/3.90				
SEER	Cooling	W/W	6.80	7.00	7.00	6.90				
SCOP	Heating (Average)		4.10	4.10	4.00	4.00				
Energy Efficiency Class	Cooling		A++	A++	A++	A++				
	Heating (Average)		A+	A+	A+	A+				
Annual Energy Consumption	Cooling	kWh/a	103	125	170	203				
	Heating		786	820	1225	1365				
Moisture Removal		l/h	1.00	1.30	1.80	2.10				
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/40/32/21	43/40/32/21	43/40/32/21	44/40/33/25			
	Indoor (Heating)	H/M/L/Q		43/38/33/22	43/38/33/22	43/38/33/22	44/40/35/27			
	Outdoor(Cooling/Heating)	High		45/45	45/45	50/50	50/50			
Sound Power Level	Indoor(Cooling/Heating)	High	59/59	59/59	59/59	60/60				
	Outdoor(Cooling/Heating)	High	58/56	58/56	61/61	65/65				
Airflow Rate	Indoor / Outdoor	High	m³/h	750/1670	750/1670	750/1830	750/1800			
Net Dimensions H x W x D Weight	Indoor	mm	270×870×204	270×870×204	270×870×204	270×870×204				
		kg	8.5	8.5	8.5	8.5				
	Outdoor	mm	535×663×293	535×663×293	535×663×293	540×790×290				
		kg	21	21	26	34				
Remote Controller Type			Wireless	Wireless	Wireless	Wireless				
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth							
Suggested MCB Size		Amp	10	10	10	16				
Max. Operating Current		Amp	6.00/7.50	6.00/7.50	6.50/9.00	9.00/10.50				
Starting Current		Amp	3.30	3.50	4.80	6.30				
Power Supply To			Outdoor							
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	1/2 & 1/4				
Max Pipe Length (Factory Gas Charge Pipe Length)		m	20(15)	20(15)	20(15)	20(15)				
Max Height Difference			15	15	15	15				
Refrigerant	Type		R410A	R410A	R410A	R410A				
	Charge	g	700	700	850	1050				
	Additional Charge	g/m	20	20	20	20				
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43	-10 to 43				
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24				
System List Price		£	620	653	743	855				

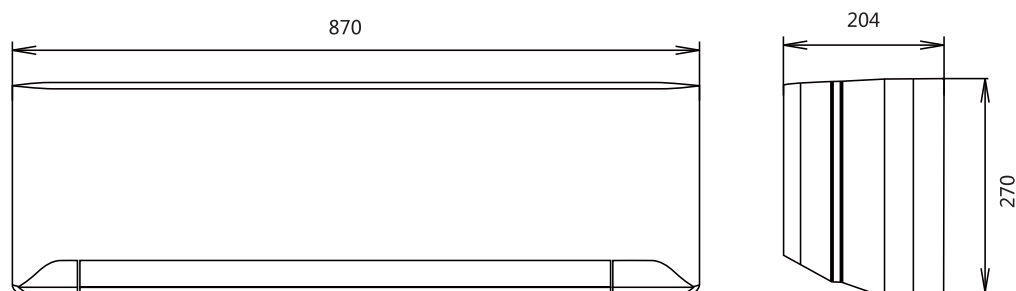
Optional parts

Wired Remote Controller:	UTYRVNYM	£104	(Must use with Communication Kit below)
Simple Remote Controller:	UTYRSNYM	£83	(Must use with Communication Kit below)
External Connect Kit:	UTYXWZXZ5	£9	(Must use with Communication Kit below)
Modbus Interface:	FJRCMB51	£234	(Must use with Communication Kit below)
KNX Interface:	FJRCKNX1i	£265	(Must use with Communication Kit below)
WiFi Interface:	FJRCWIF1	£234	(Must use with Communication Kit below)
Communication kit:	UTYXCXBZ2	£90	
Wireless LAN Interface:	UTYTFNXZ1	£143	

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



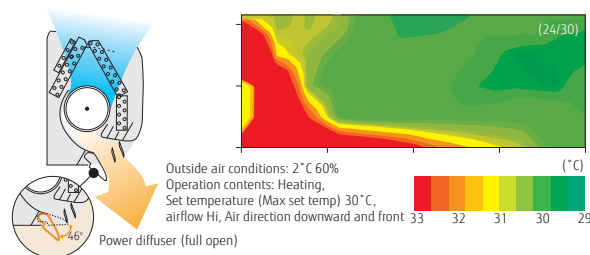
PRODUCT LINEUP: SPLIT

Wall Mounted Standard Range

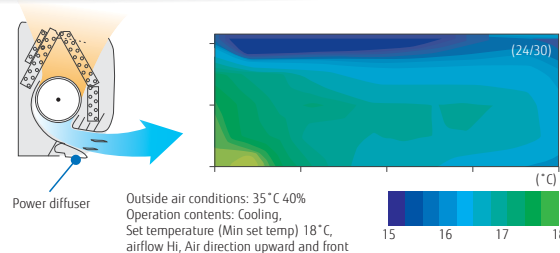
Comfort for Large Room



"Vertical airflow" provides powerful floor level heating



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



Air conditioner filter features

Using different filters at both sides



Ion Deodorisation Filter

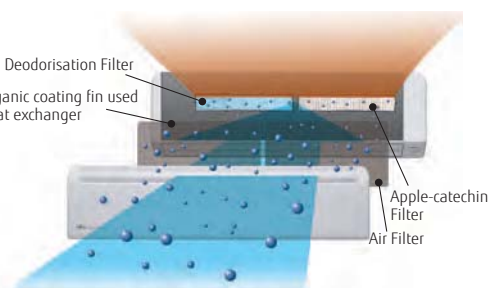
The filter deodorises by powerfully decomposing absorbed odors using the oxidising and reducing effects of ions generated by the ultra-fine-particle ceramic.



Apple-catechin Filter

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

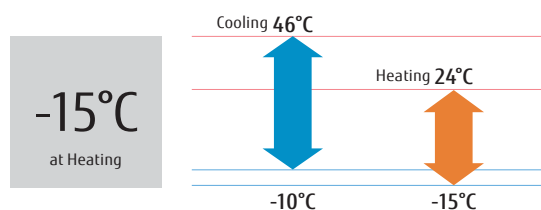
Ion Deodorisation Filter
Organic coating fin used heat exchanger



Flexible Installation

	18 type	24 type
Max. Piping Length	25 m	30 m
Max. Height	20 m	20 m

Low ambient operation



Model: ASYG18LFCA / ASYG24LFCC


Wireless R.C.

For ASYG18LFCA,
ASYG24LFCC
Specifications

Model No.	Indoor unit		ASYG18LFCA		ASYG24LFCC		
	Outdoor unit		AOYG18LFC		AOYG24LFCC		
Power Source			Single-phase, ~230V, 50Hz				
Nominal Capacity	Cooling	kW	5.2 (0.9-6.0)		7.1 (0.9-8.0)		
	Heating		6.3 (0.9-9.1)		8.0 (0.9-10.6)		
UK Total/Sensible Cooling			5.04/3.25		7.13/5.15		
Power Consumption	Cooling/Heating	kW	1.52/1.71		2.20/2.21		
EER	Cooling	W/W	3.42		3.23		
COP	Heating		3.68		3.61		
Pdesign	Cooling/Heating(-10°C)	kW	5.20/5.90		7.10/7.10		
SEER	Cooling	W/W	6.94		6.11		
SCOP	Heating (Average)		3.87		3.80		
Energy Efficiency Class	Cooling		A++		A++		
	Heating (Average)		A		A		
Annual Energy Consumption	Cooling	kWh/a	262		406		
	Heating		2130		2610		
Moisture Removal			l/h		2.70		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/37/33/26		49/42/37/32	
	Indoor (Heating)	H/M/L/Q		42/37/33/25		48/42/37/32	
	Outdoor(Cooling/Heating)	High		50/51		55/56	
Sound Power Level	Indoor(Cooling/Heating)	High		58/58		64/64	
	Outdoor(Cooling/Heating)	High		65/-		68/-	
Airflow Rate	Indoor / Outdoor	High	m³/h	900/2150		1120/2460	
Net Dimensions H x W x D Weight	Indoor		mm	320×998×238		320×998×238	
			kg	14		14	
	Outdoor		mm	620×790×298		620×790×298	
			kg	41		41	
Remote Controller Type			Wireless		Wireless		
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size		Amp	16		20		
Max. Operating Current	Cooling/Heating	Amp	9.00/12.50		13.50/18.50		
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas / Liquid)		Inch	1/2 & 1/4		5/8 & 1/4		
Max Pipe Length (Factory Gas Charge Pipe Length)		m	25 (15)		30 (15)		
Max Height Difference			20		20		
Refrigerant	Type		R410A		R410A		
	Charge	g	1,200		1,650		
	Additional Charge	g/m	20		20		
Operation Range	Cooling	°CDB	-10 to 46		-10 to 46		
	Heating		-15 to 24		-15 to 24		
System List Price		£	943		1483		

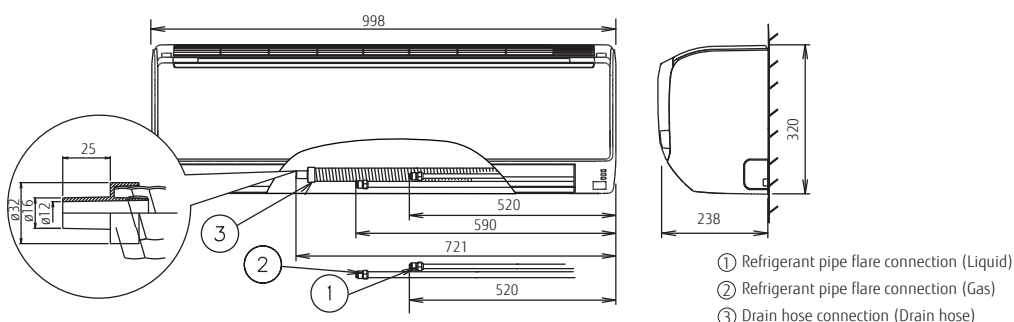
Optional parts

Wired Remote Controller:	UTYRVNYM	£104
Simple Remote Controller:	UTYRSNYM	£83
External Connect Kit:	UTYXWZX	£9
Modbus Interface:	FJRCMBS1	£234
KNX Interface:	FJRCNX1i	£265
WiFi Interface:	FJRCWIF1	£234
Wireless LAN Interface:	UTYTFNXZ1	£143

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

Wall Mounted Standard Range

Comfort for Large Room



Large Capacity & Powerful airflow

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



Human sensor

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

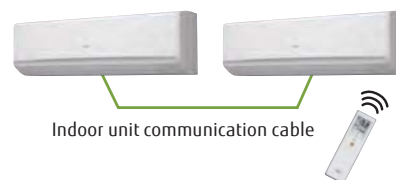


Server room function*

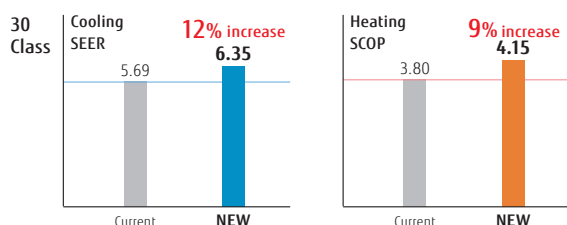
The following interlock operation is possible by connecting 2 indoor units with a cable. Cooling operation can be performed even in the low outdoor temperature and low humidity environment.

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

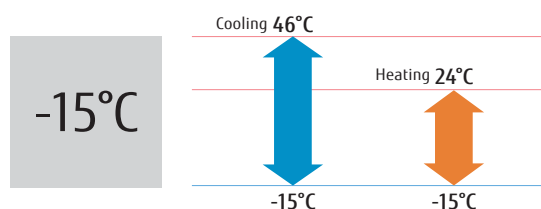
*2 x UTY-XWNX of optional parts are required.



High seasonal energy efficiency



Low ambient operation



Model: ASYG30LMTA / ASYG36LMTA



Wireless R.C.



Specifications

Model No.	Indoor unit		ASYG30LMTA		ASYG36LMTA		
	Outdoor unit		AOYG30LMTA		AOYG36LMTA		
Power Source			Single-phase, ~230V, 50Hz				
Nominal Capacity	Cooling	kW	8.0 (2.9-9.0)		9.4 (2.9-10.0)		
	Heating		8.8 (2.2-11.0)		10.1 (2.7-11.2)		
UK Total/Sensible Cooling			7.88/5.86		9.00/6.63		
Power Consumption	Cooling/Heating	kW	2.33/2.41		3.16/2.96		
EER	Cooling	W/W	3.43		2.97		
COP	Heating		3.65		3.41		
Pdesign	Cooling/Heating(-10°C)	kW	8.00/6.50		9.40/7.10		
SEER	Cooling	W/W	6.35		5.73		
SCOP	Heating (Average)		4.15		4.19		
Energy Efficiency Class	Cooling	kWh/a	A++		A+		
	Heating (Average)		A+		A+		
Annual Energy Consumption	Cooling	kWh/a	441		575		
	Heating		2,193		2,373		
Moisture Removal			l/h		3.70		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	50/44/38/31		50/44/38/31	
	Indoor (Heating)	H/M/L/Q		49/44/39/33		49/44/39/33	
	Outdoor(Cooling/Heating)	High		52/55		55/56	
Sound Power Level	Indoor(Cooling/Heating)	High		65/65		65/65	
	Outdoor(Cooling/Heating)	High		67/68		68/70	
Airflow Rate	Indoor / Outdoor	High	m³/h	1380/3600		1380/3800	
Net Dimensions H x W x D Weight	Indoor	mm	340×1150×280		340×1150×280		
		kg	18		18		
	Outdoor	mm	830×900×330		830×900×330		
		kg	61		61		
Remote Controller Type			Wireless		Wireless		
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size		Amp	16		20		
Max. Operating Current	Cooling/Heating	Amp	14.50/14.50		19.00/19.00		
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas / Liquid)		Inch	5/8 & 3/8		5/8 & 3/8		
Max Pipe Length (Factory Gas Charge Pipe Length)		m	50 (20)		50 (20)		
Max Height Difference			30		30		
Refrigerant	Type		R410A		R410A		
	Charge	g	2,100		2,100		
	Additional Charge	g/m	40		40		
Operation Range	Cooling	°CDB	-15 to 46		-15 to 46		
	Heating		-15 to 24		-15 to 24		
System List Price		£	2100		2240		

Optional parts

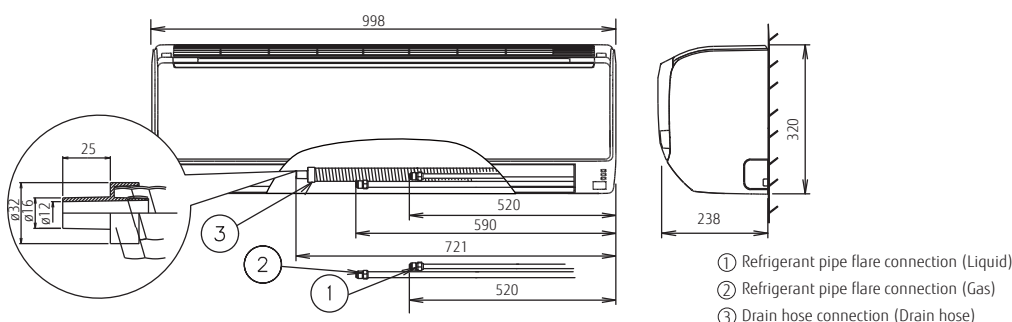
Wired Remote Controller (Touch panel (two-wire)):	UTYRNRZ1 + UTYTWRX	£161 + £78
Wired Remote Controller (High grade (three-wire)):	UTYRVNYM + UTYXWNX	£104 + £17
Wired Remote Controller (two-wire):	UTYRLRY + UTYTWRX	£125 + £78
Simple Remote Controller (three-wire):	UTYRSNYM, + UTYXWNX	£83 + £17
External input and output PCB (with box):	UTYXCSXZ1 + UTZGXXB	£85 + £28
External Connect Kit:	UTYXWZX	£9
External Connect Kit:	UTYXWNX	£17

Modbus Interface:	FJRCMS1	£234
KNX Interface:	FJRCKNX1i	£265
WiFi Interface:	FJRCWIF1	£234
Wireless LAN Interface:	UTYTFNXZ1	£143

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

Wall Mounted ECO Range

Compact & Comfort



High efficient compact design

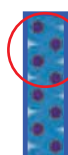
High density heat exchanger



Making the tube thin:

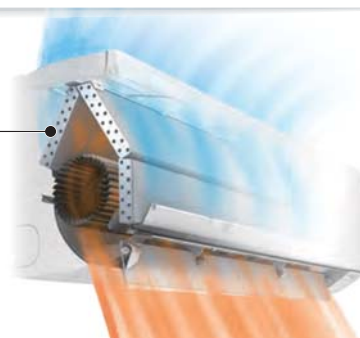
7 mm → 5 mm

Volume reduction of heat exchanger: **30%**



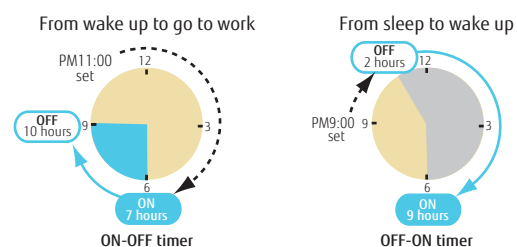
Even temperature

Improved heat exchanger effectiveness



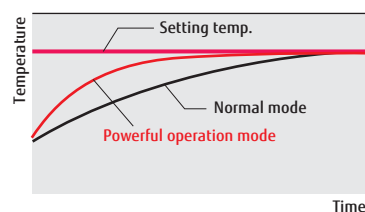
ON-OFF Programmable timer

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



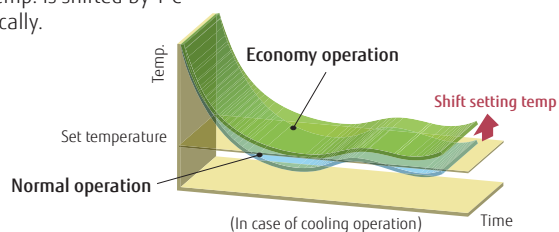
Powerful operation

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

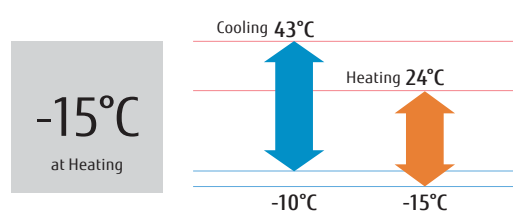


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation



Model: ASYG09LLCE / ASYG12LLCE


Wireless R.C.


Specifications

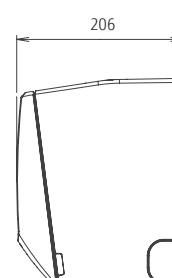
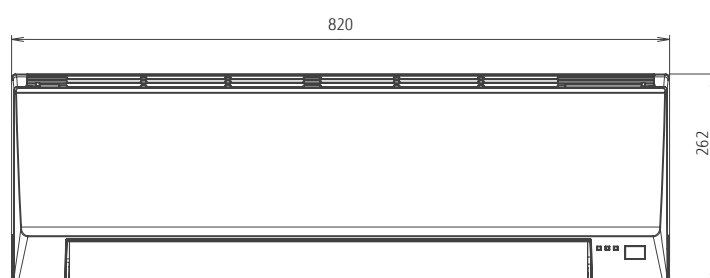
Model No.	Indoor unit		ASYG09LLCE		ASYG12LLCE		
	Outdoor unit		AOYG09LLCE		AOYG12LLCE		
Power Source			Single-phase, ~230V,50Hz				
Nominal Capacity	Cooling	kW	2.5(0.9-3.0)		3.4(0.9-3.8)		
	Heating		3.0(0.9-3.8)		4.0(0.9-5.0)		
UK Total/Sensible Cooling			2.42 / 1.59		3.29 / 2.14		
Power Consumption	Cooling/Heating	kW	0.730-0.740		1.080/1.130		
EER	Cooling	W/W	3.42		3.15		
COP	Heating		4.05		3.54		
Pdesign	Cooling/Heating(-10°C)	kW	2.50/2.30		3.40/3.20		
SEER	Cooling	W/W	6.90		6.60		
SCOP	Heating (Average)		4.00		3.80		
Energy Efficiency Class	Cooling		A++		A++		
	Heating (Average)		A+		A		
Annual Energy Consumption	Cooling	kWh/a	127		180		
	Heating		805		1,179		
Moisture Removal			l/h		1.30		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/38/33/22		43/38/33/22	
	Indoor (Heating)	H/M/L/Q		43/38/33/22		43/38/33/22	
	Outdoor(Cooling/Heating)	High		47/48		50/51	
Sound Power Level	Indoor(Cooling/Heating)	High		59/60		59/60	
	Outdoor(Cooling/Heating)	High		61/61		65/65	
Airflow Rate	Indoor / Outdoor	High	m³/h	720/1,670		720/1,830	
Net Dimensions H x W x D Weight	Indoor		mm	262×820×206		262×820×206	
			kg	7.0		7.0	
	Outdoor		mm	535×663×293		535×663×293	
			kg	24		26	
Remote Controller Type			Wireless		Wireless		
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size			Amp	10		10	
Max. Operating Current	Cooling/Heating	Amp	6.00/7.50		6.50/9.00		
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4		3/8 & 1/4		
Max Pipe Length (Factory Gas Charge Pipe Length)		m	20(15)		20(15)		
Max Height Difference			15		15		
Refrigerant	Type		R410A		R410A		
	Charge	g	650		850		
	Additional Charge	g/m	20		20		
Operation Range	Cooling	°CDB	-10 to 43		-10 to 43		
	Heating		-15 to 24		-15 to 24		
System List Price			£	555	632		

Optional parts

Remote Controller Holder: UTZRXL A £8

Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

Compact Cassette

4-way Flow

Compact & Comfort



2-stage turbo fan

High efficiency design by 2 stage fan

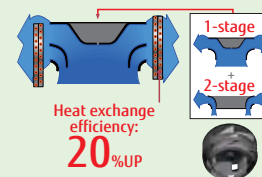
Previous turbo fan

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



2-stage turbo fan

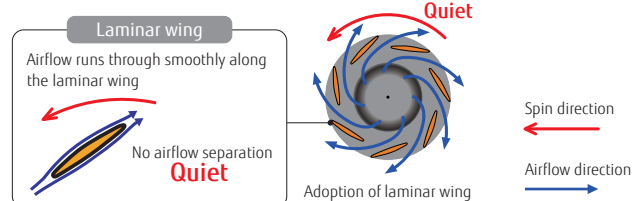
An evenly spread air distribution across the heat exchanger is possible due to the new 2 stage turbo fan which produces two separate airflow streams.



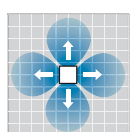
Quiet Air Flow

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

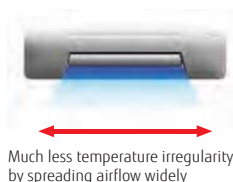
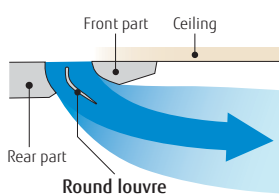
Designed by CFD-analysis (fluid) simulations



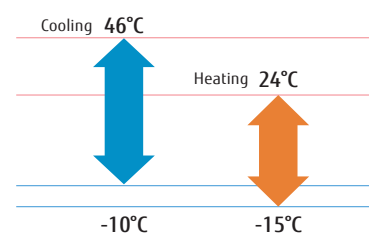
Improvement of the airflow distribution



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



Low ambient operation



Model : AUYG12LVLB / AUYG14LVLB / AUYG18LVLB / AUYG24LVLA


Wireless R.C.



For AUYG12/14LVLB



For AUYG18LVLB



For AUYG24LVLA

Specifications

Model No.	Indoor unit		AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLA	
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LBCB	AOYG24LBCB	
Power Source			Single-phase, ~230V, 50Hz				
Nominal Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)	
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	6.8 (0.9-8.0)	
UK Total / Sensible Cooling		kW	3.46 / 2.37	3.96 / 2.70	4.79 / 3.09	6.46 / 4.72	
Input Power	Cooling / Heating	kW	1.05 / 1.11	1.33 / 1.34	1.62 / 1.66	2.21 / 2.26	
EER	Cooling	W/W	3.33	3.21	3.21	3.08	
COP	Heating		3.69	3.71	3.61	3.54	
Pdesign	Cooling / Heating (-10°C)	kW	3.5 / 4.2	4.3 / 4.5	5.2 / 5.2	6.8 / 6.0	
SEER	Cooling	W/W	6.20	6.40	6.20	5.60	
SCOP	Heating (Average)		4.10	4.40	4.20	3.90	
Energy Efficiency Class	Cooling		A++	A++	A++	A+	
	Heating (Average)		A+	A+	A+	A	
Annual Energy Consumption	Cooling	kWh/a	198	235	293	425	
	Heating		1431	1432	1731	2151	
Moisture Removal			l/h	1.2	1.5	2.2	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	37/34/30/27	38/34/30/27	46/42/38/28	46/42/38/28
	Indoor (Heating)	H/M/L/Q		37/34/31/29	43/38/34/30	43/38/34/30	49/45/40/33
	Outdoor (Cooling/Heating)	High		47 / 48	49 / 49	50 / 50	53 / 54
Sound Power Level	Indoor (Cooling / Heating)	High		49 / 49	50 / 55	50 / 55	59 / 61
	Outdoor (Cooling/Heating)	High	61 / 63	62 / 64	62 / 65	66 / 66	
Airflow Rate	Indoor / Outdoor	High	m³/h	600 / 1780	680 / 1910	680 / 2380	930 / 2850
Net Dimensions H x W x D Weight	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570	
		kg	15	15	15	16	
	Outdoor	mm	578×790×300	578×790×300	632×799×290	714×820×315	
		kg	40	40	36	42	
Remote Controller Type (Supplied with unit)			Wireless	Wireless	Wireless	Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size		Amp	16	16	16	16	
Max. Operating Current		Amp	7.5 / 10.0	9.0 / 12.5	9.0 / 14.5	12.0 / 15.7	
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas & Liquid)		Inch	3/8 & 1/4	1/2 & 1/4	1/2 & 1/4	5/8 & 1/4	
Max Pipe Length (Factory Gas Charge Pipe Length)		m	25 (15)	25 (15)	25 (15)	30 (15)	
Max Height Difference			15	15	15	20	
Refrigerant	Type		R410A	R410A	R410A	R410A	
	Charge	g	1,150	1,250	1,200	1,500	
	Additional Charge	g/m	20	20	20	20	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Cassette Grille	Model name		UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W	
	Dimensions (H x W x D)	mm	49×700×700	49×700×700	49×700×700	49×700×700	
	Weight	kg	2.6	2.6	2.6	2.6	
System List Price			£	1191	1467	1615	1988

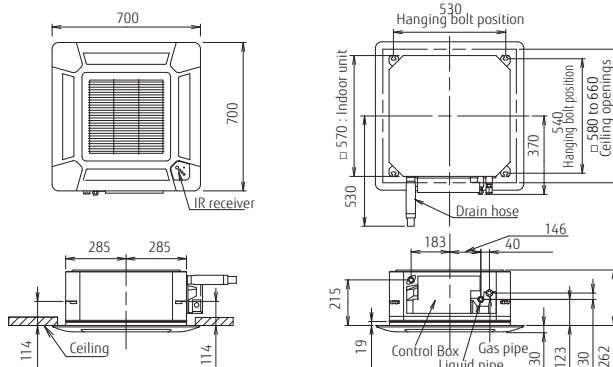
Optional parts

Wired Remote Controller:	UTYRVNYM	£104	Modbus Interface:	FJRCMB51	£234
Simple Remote Controller:	UTYRSNYM	£83	KNX Interface:	FJRCKNX1i	£265
External Connect Kit:	UTYXWZX	£9	WiFi Interface:	FJRCWIF1	£234
Fresh Air Intake Kit:	UTZVXAA	£291			

(Refer to page 156 for accessory combinations)


Dimensions

(Unit : mm)



Cassette

Circular Flow

Comfort for large room



(30/36/45/54)

Unique Circular Flow design

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

ø7mm high density heat exchanger
New DC fan motor
High efficient turbo fan
Seamless airflow louvre



Individual louvre control

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

*Touch Panel Wired RC (UTY-RNRYZ2) only



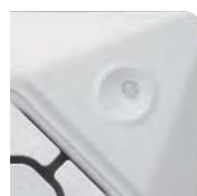
Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Efficient air conditioning based on the room layout

Human sensor increases more energy saving

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



Human sensor (Option)

2 modes can be selected.

Auto saving

Power is saved while people are away.

Auto OFF

Operation stops after people go out.

*Touch Panel Wired RC (UTY-RNRYZ2) only

Condensate lift pump height



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



Specifications

Model No.	Indoor unit		AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB
	Outdoor unit		AOYG18LBCA	AOYG24LBCA	AOYG30LBT	AOYG36LBT	AOYG45LBT	AOYG54LBT
Power Source			Single-phase, ~230V, 50Hz					
Nominal Capacity	Cooling	kW	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)
	Heating	kW	6.0 (0.9-8.0)	7.8 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	14.0 (4.2-16.2)	15.8 (4.7-16.5)
UK Total / Sensible Cooling			6.0 / 4.54	6.99 / 5.2	10.15 / 7.32	11.79 / 8.49	13.06 / 9.67	13.39 / 9.82
Input Power	Cooling / Heating	kW	1.42 / 1.50	2.16 / 2.18	2.56 / 2.77	2.96 / 2.91	3.85 / 3.73	4.38 / 4.58
EER	Cooling	W/W	3.66	3.15	3.32	3.21	3.25	3.04
COP	Heating	W/W	4.00	3.58	3.61	3.71	3.75	3.45
Pdesign	Cooling / Heating (@ -10°C)	kW	5.2 / 4.3	6.8 / 6.0	8.5 / 8.0	9.5 / 8.7	12.5 / 9.2	13.3 / 9.2
SEER	Cooling	W/W	7.05	6.60	6.70	6.40	6.65 (LOT21)	6.25 (LOT21)
SCOP	Heating (Average)	W/W	4.40	4.20	4.30	4.30	4.13 (LOT21)	4.01 (LOT21)
Energy Efficiency Class	Cooling		A++	A++	A++	A++	-	-
	Heating (Average)		A+	A+	A+	A+	-	-
Annual Energy Consumption	Cooling	kWh/a	258	361	444	519	-	-
	Heating	kWh/a	1367	1999	2604	2833	-	-
Moisture Removal			l/h	2.2	2.7	2.5	3.3	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
Sound Power Level	Outdoor (Cooling/Heating)	High	51/50	55/56	53/55	54/55	55/55	55/57
	Indoor (Cooling/Heating)	High	47/47	49/49	54/54	58/58	60/60	61/61
Airflow Rate	Indoor (Cooling/Heating)	High	64/62	68/68	67/69	68/70	68/68	69/71
	Indoor / Outdoor	High	m ³ /h	1050/1900	1150/2460	1600/3600	1900/3800	2000/6750
Net Dimensions H x W x D	Indoor	mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840
		kg	24	24	26	26	29	29
	Outdoor	mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
Weight		kg	41	41	61	61	86	86
Remote Controller Type (Supplied With Grille)			Wired	Wired	Wired	Wired	Wired	Wired
Interconnecting Cable (Suggested cable size 1.5 mm)			3 core + Earth					
Suggested MCB Size			Amp	16	20	25	25	25
Max. Operating Current	Cooling / Heating	Amp	10.0 / 13.5	13.5 / 18.5	17.0 / 17.0	20.0 / 20.0	20.5 / 20.5	21.5 / 21.5
Power Supply To			Outdoor Unit					
Connection Pipe Diameter (Gas & Liquid)			Inch	1/2 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Factory Gas Charge Pipe Length)			m	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)
Max Height Difference			m	20	20	30	30	30
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	g	1,800	1,800	2,100	2,100	3,350	3,350
	Additional Charge	g/m	20	20	40	40	40	40
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Cassette Grille (to be ordered separately)	Model name		UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W
	Dimensions (H x W x D)	mm	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
System List Price			£	2003	2127	2426	2859	3154

Optional parts

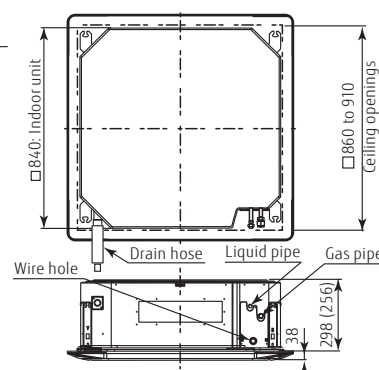
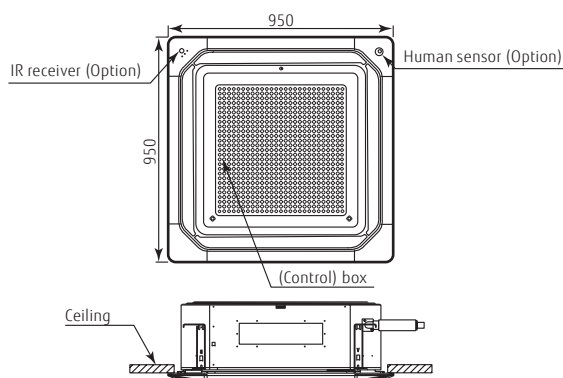
Simple Remote Controller:	UTYRSNYM	£83
IR Receiver Kit:	UTYLBTYC	£98
Human Sensor Kit:	UTYSHZXC	£61
Fresh Air Intake Kit:	UTZVXRA	£364
External Input & Output PCB (with box):	UTYXCX + UTZGXRA	£85 + £53
External Connect Kit:	UTYXWZXZG, UTYXWZXZ3	£8, £9

Modbus Interface:	FJRCMBS1	£234
KNX Interface:	FJRCKNX1i	£265
WiFi Interface:	FJRCWIF1	£234
Wireless LAN Interface:	UTYTFNXZ1	£143

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



() : AUXG18/24LRLB

Cassette

4-way Flow

Comfort for large room

Single phase

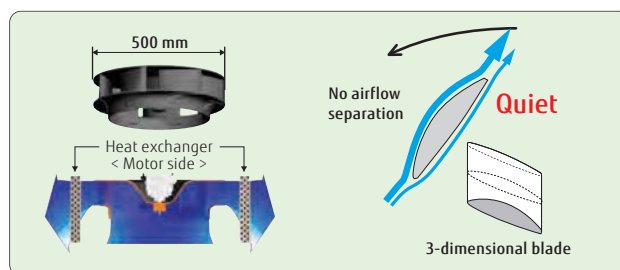
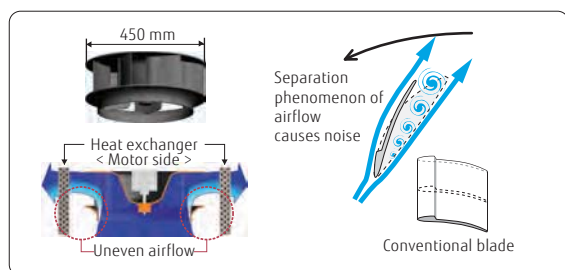


(45/54)

High efficiency turbo fan with 3-dimensional blade

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

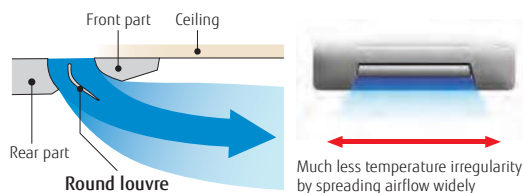
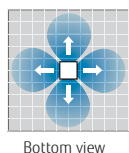
New turbo fan: High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.



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

Improvement of the airflow distribution

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

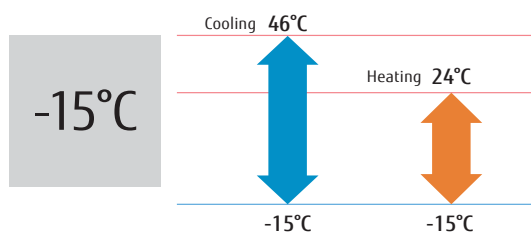


Adjustment of hanger position is possible after installation

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



Low ambient operation



**Model : AUYG30LRLE / AUYG36LRLE / AUYG45LRLE / AUYG54LRLE /
AUYG36LRLE [3phase] / AUYG45LRLE [3phase] / AUYG54LRLE [3phase]**



Wired R.C.



For AUYG30/36LRLE



For AUYG36/45/54LRLE

Specifications

Model No.	Indoor unit		AUYG30LRLE	AUYG36LRLE	AUYG45LRLE	AUYG54LRLE	AUYG36LRLE	AUYG45LRLE	AUYG54LRLE
	Outdoor unit		AUYG30LETL	AUYG36LETL	AUYG45LETL	AUYG54LETL	AUYG36LATT	AUYG45LATT	AUYG54LATT
Power Source			Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz		
Nominal Capacity	Cooling	kW	8.5 (2.8-10.0)	10.0 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating	kW	10.0 (2.7-11.2)	11.2 (2.7-12.7)	14.0 (4.2-16.2)	16.0 (4.7-16.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
UK Total / Sensible Cooling		kW	8.63 / 6.22	10.53 / 7.58	11.66 / 8.63	12.28 / 9.01	9.27 / 6.42	11.63 / 7.64	12.87 / 8.51
Input Power	Cooling / Heating	kW	2.65 / 2.77	3.12 / 3.02	3.88 / 3.77	4.42 / 4.69	2.44 / 2.56	3.54 / 3.58	4.36 / 4.43
EER	Cooling	W/W	3.21	3.21	3.22	3.01	4.10	3.53	3.21
COP	Heating	W/W	3.61	3.71	3.71	3.41	4.38	3.91	3.61
Pdesign	Cooling / Heating (-10°C)	kW	8.5 / 8.0	10.0 / 8.7	12.5 / 9.2	13.3 / 9.5	10.0 / 10.0	12.5 / 10.1	14.0 / 10.4
SEER	Cooling	W/W	6.50	6.30	6.63 (LOT21)	6.23 (LOT21)	6.50	6.33 (LOT21)	5.95 (LOT21)
SCOP	Heating (Average)	W/W	4.30	4.20	4.10 (LOT21)	4.00 (LOT21)	4.30	4.17 (LOT21)	4.09 (LOT21)
Energy Efficiency Class	Cooling		A++	A++	-	-	A++	-	-
	Heating (Average)		A+	A+	-	-	A+	-	-
Annual Energy Consumption	Cooling	kWh/a	458	555	-	-	573	-	-
	Heating	kWh/a	2604	2897	-	-	3253	-	-
Moisture Removal		l/h	2.5	3.5	4.5	5.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/38/36/32	43/38/36/32	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
	Indoor (Heating)	H/M/L/Q	40/38/36/32	43/38/36/32	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
Sound Power Level	Outdoor (Cooling/Heating)	High	53/55	54/55	55/55	55/57	51/53	54/54	55/56
	Outdoor (Cooling/Heating)	High	54/54	57/57	-	-	58/58	-	-
Airflow Rate	Indoor / Outdoor	High	1600/3600	1800/3800	1900/6750	2000/6750	1800/6200	1900/6900	2000/6900
		mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
Net Dimensions H x W x D	Indoor (ex grille)	kg	26	26	26	26	26	26	26
	Outdoor	mm	830x900x330	830x900x330	1290x900x330	1290x900x330	1290x900x330	1290x900x330	1290x900x330
Weight		kg	61	61	86	86	104	104	104
Remote Controller Type (Supplied with unit)			Wired	Wired	Wired	Wired	Wired	Wired	Wired
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				3 Core + Earth		
Suggested MCB Size			20	25	25	25	16	16	16
Max. Operating Current	Cooling / Heating	Amp	17.0 / 17.0	18.5 / 20.0	20.5 / 20.5	21.5 / 21.5	7.9 / 7.9	8.9 / 8.9	9.9 / 9.9
Power Supply To			Outdoor				Outdoor		
Connection Pipe Diameter (Gas & Liquid)			5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Factory Gas Charge Length)			50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference			30	30	30	30	30	30	30
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge	g	2,100	2,100	3,350	3,350	3,450	3,450	3,450
Operation Range	Additional Charge	g/m	40	40	40	40	50	50	50
	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
Cassette Grille	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Model name		UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W
Cassette Grille	Dimensions (H x W x D)	mm	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950
	Weight	kg	5.5	5.5	5.5	5.5	5.5	5.5	5.5
System List Price			£ 2265	£ 2608	£ 2828	£ 3271	£ 2621	£ 2974	£ 3449

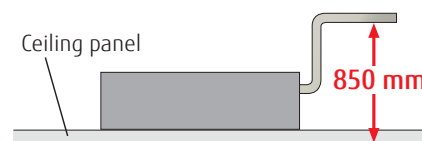
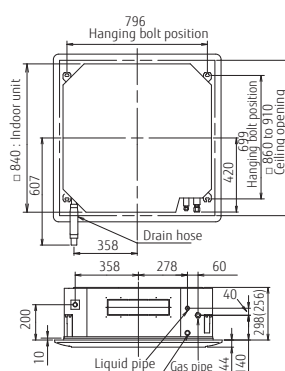
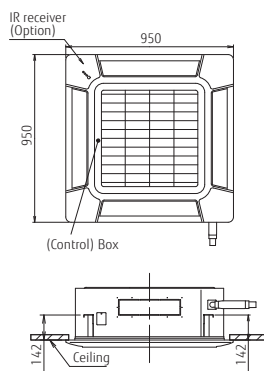
Optional parts

Wired Remote Controller:	UTYRVNYM	£104	Modbus Interface:	FJRCMB51	£234
Simple Remote Controller:	UTYRSNYM	£83	KNX Interface:	FJRCNX1i	£265
IR Receiver Kit:	UTYLRHYA2	£76	WiFi Interface:	FJRCWIF1	£234
External Connect Kit:	UTYXWZX	£9	Wireless LAN Interface:	UTYTFNXZ1	£143
Fresh Air Intake Kit:	UTZVXGA	£364			

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



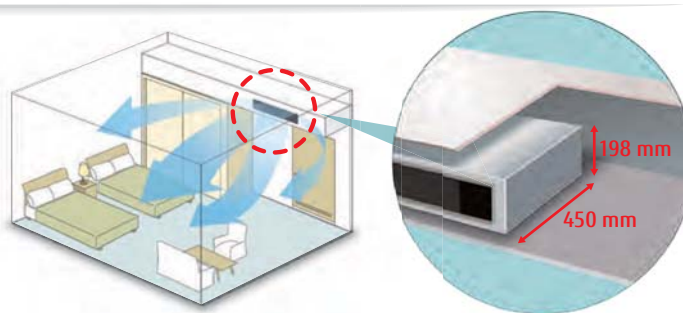
Bulkhead Duct

Built-in Drain Pump



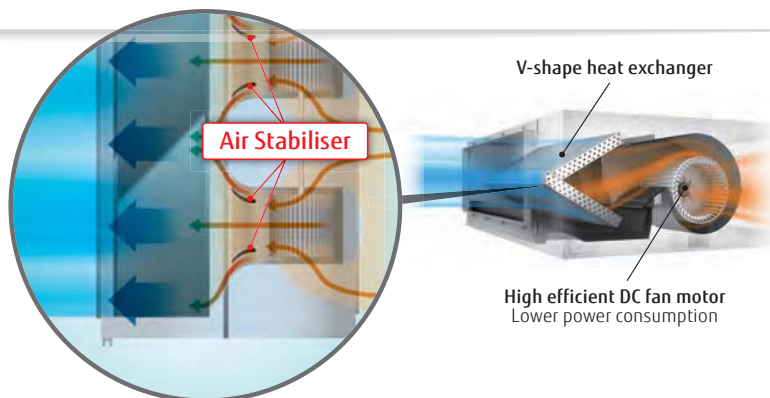
Large living space available

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



Optimum airflow path and low noise operation

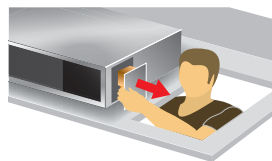
Low noise is achieved drastically by stabilised airflow design



Easy design and maintenance for drain

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

Built-in drain pump as standard:
Maintenance is easy



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

Auto Louvre Grille Kit (Option)

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



Model : ARYG12LSLAP / ARYG14LSLAP / ARYG18LSLAP



ARYG12/14LSLAP



ARYG18LSLAP



Wired R.C.



For ARYG12/14LSLAP



For ARYG18LSLAP

Specifications

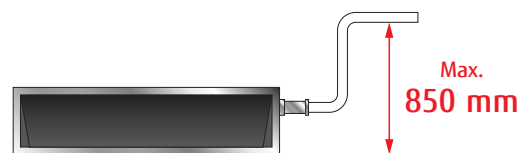
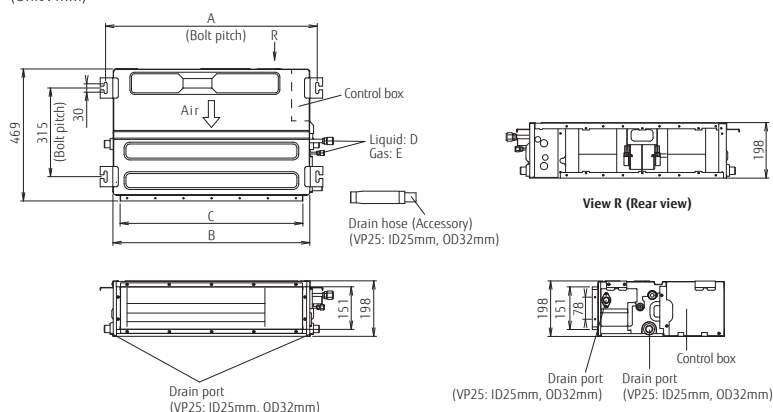
Model No.	Indoor unit		ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP	
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LBCB	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	3.50 (0.90-4.40)	4.30 (0.90-5.40)	5.20 (0.90-5.90)	
	Heating		4.10 (0.90-5.70)	5.00 (0.90-6.50)	6.00 (0.90-7.50)	
UK Total/Sensible Cooling		kW	3.36 / 2.56	4.11 / 3.15	4.98 / 3.79	
Input Power	Cooling/Heating		1.03/1.15	1.34/1.49	1.62/1.77	
EER	Cooling	W/W	3.40	3.21	3.21	
COP	Heating		3.56	3.35	3.38	
Pdesign	Cooling/Heating(-10°C)		3.5/4.2	4.3/4.5	5.2/5.2	
SEER	Cooling	W/W	5.70	5.60	5.80	
SCOP	Heating		3.90	3.80	3.80	
Energy Efficiency Class	Cooling		A+	A+	A+	
	Heating		A	A	A	
Annual Energy Consumption	Cooling	kWh/a	215	269	314	
	Heating		1505	1656	1913	
Moisture Removal		l/h	1.2	1.4	1.8	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/27/25/23	35/30/27/23	33/29/26/23
	Indoor (Heating)	H/M/L/Q		31/27/25/23	35/30/27/23	33/29/26/23
	Outdoor(Cooling/Heating)	High		47/48	49/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High		55/57	60/62	58/59
	Outdoor(Cooling/Heating)	High		61/63	62/64	62/65
Airflow Rate	Indoor / Outdoor	High	m³/h	650/1780	800/1910	940/2380
Static pressure range (Standard)			Pa	0 - 30 (10)	0 - 50 (15)	0 - 50 (15)
Net Dimensions H x W x D	Indoor	mm	198×700×450	198×700×450	198×900×450	
		kg	15.5	15.5	18.5	
Weight	Outdoor	mm	578×790×300	578×790×300	632×799×290	
		kg	40	40	36	
Remote Controller Type (Supplied With Unit)			Wired	Wired	Wired	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth			
Suggested MCB Size		Amp	16	16	16	
Max. Operating Current	Cooling/Heating	Amp	7.5/10.0	9.0/12.5	9.0/14.5	
Power Supply To			Outdoor			
Connection Pipe Diameter (Gas & Liquid)		Inch	1/4 & 3/8	1/4 & 1/2	1/4 & 1/2	
Max Pipe Length (Factory Gas Charge Length)		m	25 (15)	25 (15)	25 (15)	
Max Height Difference			15	15	15	
Refrigerant	Type		R410A	R410A	R410A	
	Charge	g	1150	1250	1200	
	Additional Charge	g/m	20	20	20	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	
System List Price		£	1281	1386	1581	

Optional parts

Wired Remote Controller:	UTYRNRYYZ	£161	Auto Louvre Grille Kit:	UTDGXSAX (ARYG12/14LSLAP)	£135	
Simple Remote Controller:	UTYRSRY	£120				
IR Receiver Kit:	UTYLBTYM	£266			UTDGXSBBW (ARYG18LSLAP)	£151
Remote Sensor Unit:	UTYXSZX	£56				
External connect Kit:	UTYXWZXZG	£8				
Wireless LAN Interface:	UTYTFXZX1	£143		(Refer to page 156 for accessory combinations)		

Dimensions

(Unit: mm)



Drain hose is a standard accessory

	ARYG12/14LSLAP	ARYG18LSLAP
A	752	952
B	700	900
C	650	850
D	6.35	9.52
F	12.7	15.88

PRODUCT LINEUP: SPLIT

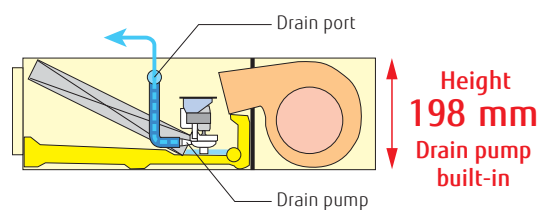
Slim Duct

Slim & Comfort



Slim design

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



Flexible installation

2-type installation methods of ceiling concealed and floor concealed can be selected. Can also be installed in a Bulkhead.

Ceiling concealed



Floor concealed



Selectable with a wide range of static pressure

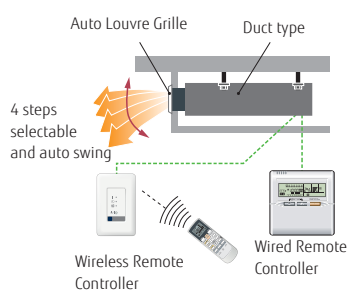
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa. The change of static pressure range is possible by remote controller.



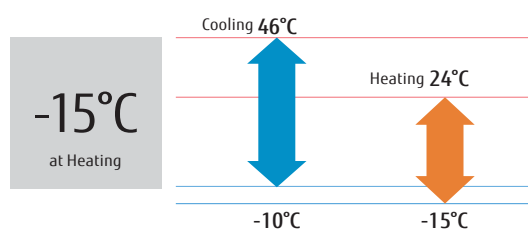
Static pressure range
0 to 90 Pa

Auto Louvre Grille Kit (Option)

Simple flat Auto Louvre will provide comfort airflow and harmonise with luxury interior.



Low ambient operation



Model : ARYG12LLTB / ARYG14LLTB / ARYG18LLTB


ARYG12/14LLTB



ARYG18LLTB



Wired R.C.



For ARYG12/14LLTB



For ARYG18LLTB

Specifications

Model No.	Indoor unit		ARYG12LLTB	ARYG14LLTB	ARYG18LLTB	
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LBCB	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	
UK Total / Sensible Cooling		kW	3.48 / 2.47	3.97 / 2.90	4.80 / 3.45	
Input Power	Cooling / Heating		kW	1.05 / 1.11	1.33 / 1.34	1.62 / 1.66
EER	Cooling		W/W	3.33	3.21	3.21
COP	Heating			3.69	3.71	3.61
Pdesign	Cooling / Heating(-10°C)		kW	3.5 / 4.2	4.3 / 4.5	5.2 / 5.2
SEER	Cooling		W/W	5.90	5.80	6.20
SCOP	Heating			4.00	3.90	4.10
Energy Efficiency Class	Cooling		A+	A+	A++	
	Heating		A+	A	A+	
Annual Energy Consumption	Cooling		kWh/a	207	259	294
	Heating			1467	1614	1775
Moisture Removal			l/h	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q		29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor(Cooling/Heating)	High		47 / 48	49 / 49	50 / 50
Sound Power Level	Indoor(Cooling/Heating)	High	58 / 58	60 / 60	58 / 58	
	Outdoor(Cooling/Heating)	High	61 / 63	62 / 64	62 / 65	
Airflow Rate	Indoor / Outdoor	High	m³/h	650 / 1780	800 / 1910	940 / 2000
Static pressure range (Standard)			Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D Weight	Indoor	mm	198×700×620	198×700×620	198×900×620	
		kg	19	19	23	
	Outdoor	mm	578×790×300	578×790×300	578×790×300	
		kg	40	40	40	
Remote Controller Type (Supplied With Unit)			Wired	Wired	Wired	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth			
Suggested MCB Size			Amp	16	16	16
Max. Operating Current	Cooling / Heating		Amp	7.5 / 10.0	9.0 / 12.5	9.0 / 12.5
Power Supply To			Outdoor			
Connection Pipe Diameter (Gas & Liquid)			Inch	3/8 & 1/4	1/2 & 1/4	1/2 & 1/4
Max Pipe Length (Factory Gas Charge Length)			m	25 (15)	25 (15)	25 (15)
Max Height Difference				15	15	15
Refrigerant	Type		R410A	R410A	R410A	
	Charge		g	1,150	1,250	1,250
	Additional Charge		g/m	20	20	20
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24
System List Price			£	1226	1363	1558

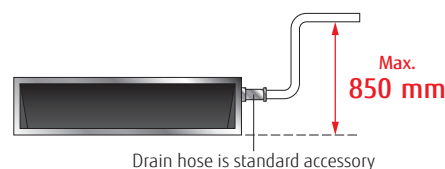
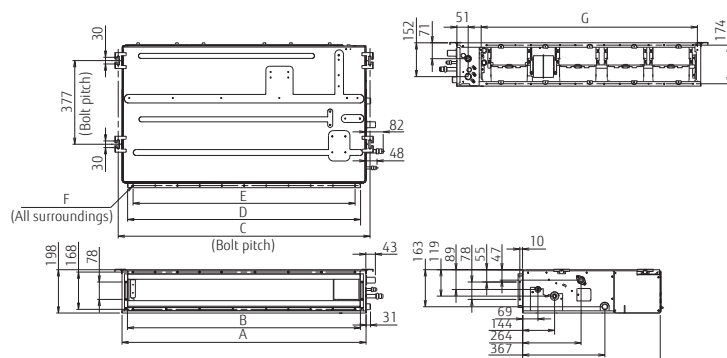
Optional parts

Wired Remote Controller:	UTYRVNYM	£104	Modbus Interface:	FJRCMB51	£234
Simple Remote Controller:	UTYRSNYM	£83	KNX Interface:	FJRCNX1i	£265
IR Receiver Kit:	UTYLRHYM	£262	WiFi Interface:	FJRCWIF1i	£234
Remote Sensor Unit:	UTYXSZX	£56	Auto Louvre Grille Kit:	UTDGXSAW (ARYG12/14LLTB)	£135
External Connect Kit:	UTDECS5A	£14		UTDGXSBW (ARYG18LLTB)	£151
Wireless LAN Interface:	UTYTFNXZ1	£143			

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



Drain hose is standard accessory

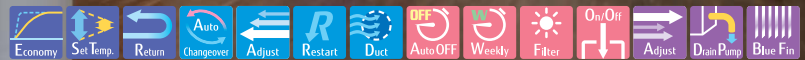
	ARYG12 / 14LLTB	ARYG18LLTB
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	18xØ5	22xØ5
G	574	774

PRODUCT LINEUP: SPLIT

Medium Static Pressure Duct

Compact & Comfort

(30/36/
45/54) (12/14/
18/24)

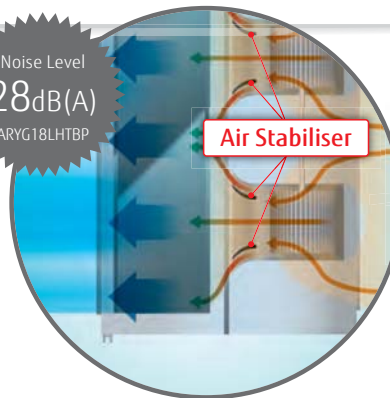


(30/36/
45/54)

High Efficiency & Quiet operation

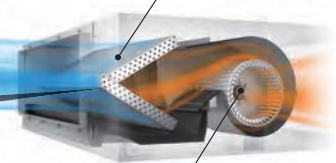
The combination of the V-shaped heat exchanger, air stabiliser, and the high efficient DC fan motor allows high efficiency and quiet operation.

Noise Level
28dB(A)
ARYG18LHTBP



Air Stabiliser

V-shape heat exchanger



High efficient DC fan motor
Lower power consumption

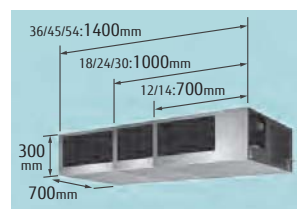
Automatic Airflow adjustment function

This unique and innovative function detects the required air flow for each application and automatically adjusts the air volume.



Improved installation flexibility

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

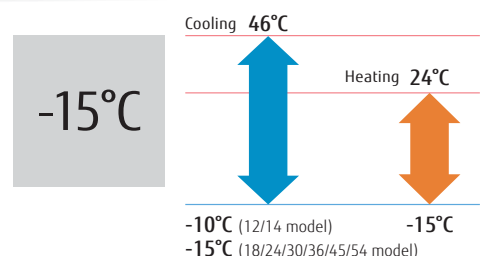


30 Pa 200 Pa
Short duct ↔ Long duct with damper

Improved service and maintenance

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

Low ambient operation



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


Touch Panel Wired R.C.



For ARYG12/14LHTBP For ARYG18/24LHTBP For ARYG30/36LHTBP For ARYG45/54LHTBP

Specifications

Model No.	Indoor unit		ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP
	Outdoor unit		AOYG12LBLA	AOYG14LBLA	AOYG18LBCA	AOYG24LBCA	AOYG30LBTB	AOYG36LBTB	AOYG45LBTB	AOYG54LBTB
Power Source			Single-phase, ~230V, 50Hz							
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-8.0)	8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-16.2)	16.0 (4.7-16.5)
UK Total / Sensible Cooling		kW	3.31/2.92	4.18/3.53	4.57/3.37	5.98/4.84	8.59/6.84	9.03/7.38	11.31/9.40	12.89/10.42
Input Power	Cooling/Heating	kW	0.90 / 1.00	1.18 / 1.25	1.37 / 1.48	1.95 / 2.21	2.65 / 2.70	2.83 / 3.07	3.59 / 3.44	4.42 / 4.62
EER	Cooling		3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03
COP	Heating	W/W	4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/ 4.3	6.8/ 6.0	8.5/8.0	9.4/8.7	12.1 / 9.2	13.4 / 9.5
SEER	Cooling		6.20	4.3/4.5	7.15	6.50	5.95	5.81	5.54 (LOT21)	5.41 (LOT21)
SCOP	Heating (Average)	W/W	4.10	3.95	4.11	4.01	3.95	3.81	3.87 (LOT21)	3.85 (LOT21)
Energy Efficiency Class	Cooling		A++	A+	A++	A++	A+	A+	-	-
	Heating (Average)		A+	A	A+	A+	A	A	-	-
Annual Energy Consumption	Cooling	kWh/a	198	247	255	366	500	566	-	-
	Heating	kWh/a	1434	1573	1462	2092	2833	3194	-	-
Moisture Removal		l/h	0.7	0.9	1.2	1.8	2.3	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/30/25/22	33/28/27/23	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q	32/30/25/22	33/28/27/23	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor(Cooling/Heating)	High	47 / 48	49 / 49	50 / 51	55 / 56	53 / 55	54 / 55	55 / 57	55 / 57
Sound Power Level	Indoor(Cooling/Heating)	High	TBC	TBC	54 / 54	57 / 57	63 / 65	64 / 63	67 / 69	67 / 69
	Outdoor(Cooling/Heating)	High	61 / 63	62 / 63	63 / 62	68 / 68	68 / 69	69 / 70	68 / 68	69 / 71
Airflow Rate (High)	Indoor / Outdoor	m³/h	850 / 1780	950 / 1910	1050 / 1900	1360 / 2460	1700 / 3600	2050 / 3800	2550 / 6750	2550 / 6750
Static pressure range (Standard)		Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions	Indoor	mm	300×700×700	300×700×700	300×1000×700	300×1000×700	300×1400×700	300×1400×700	300×1400×700	300×1400×700
H x W x D		kg	27	27	36	36	36	46	46	46
Weight	Outdoor	mm	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
		kg	40	40	41	41	61	61	86	86
Remote Controller Type (Supplied with unit)			Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth							
Suggested MCB Size		Amp	16	16	16	20	20	25	25	25
Max. Operating Current	Cooling/Heating	Amp	7.5 / 10.0	9.0 / 12.5	10.0 / 13.5	13.5 / 18.5	17.0 / 17.0	20.0 / 20.0	22.5 / 22.5	23.5 / 23.5
Power Supply To			Outdoor							
Connection Pipe Diameter (Gas & Liquid)		Inch	3/8 & 1/4	1/2 & 1/4	1/2 & 1/4	5/8 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Factory Gas Charge Length)		m	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Height Difference			15	15	20	20	30	30	30	30
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge	g	1,150	1,250	1,800	1,800	2,100	2,100	3,350	3,350
	Additional Charge	g/m	20	20	20	20	40	40	40	40
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Filter (to be ordered separately)			UTDLFNC	UTDLFNC	UTDLFNB	UTDLFNB	UTDLFNB	UTDLFNA	UTDLFNA	UTDLFNA
System List Price (Includes optional air filters)		£	1625	1690	1797	2357	2794	3393	3482	3647

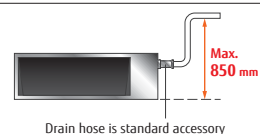
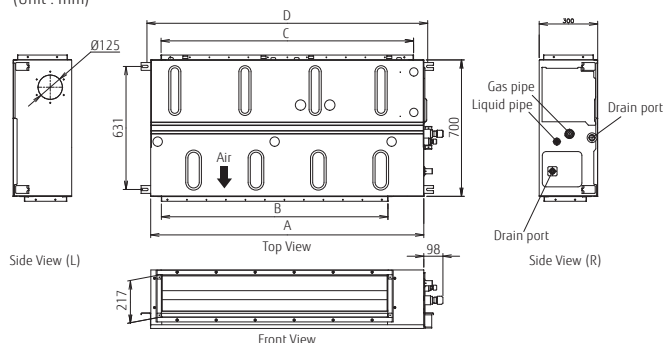
Optional parts

3-Wire Remote Controller:	UTYRVNYM	£104	Modbus Interface:	FJRCMBS1	£234
Simple Remote Controller:	UTYRSNYM	£83	KNX Interface:	FJRCKNX1i	£265
IR Receiver Kit:	UTYLBTYM	£266	WiFi Interface:	FJRCWIFI1	£234
External input & output PCB (with bracket):	UTYXCXS + UTZGXNA	£85 + £28	Long Life Filter:	UTDLFNA (for ARYG36/45/54LHTBP)	£61
External Connect Kit:	UTYXWZXZG, UTYXWZXZ3	£8, £9		UTDLFNB (for ARYG18/24/30LHTBP)	£61
Remote Sensor Unit:	UTYXSZX	£56		UTDLFNC (for ARYG12/14LHTBP)	£61
Wireless LAN Interface:	UTYTFNXZ1	£143			

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



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

Medium Static Pressure Duct

Standard

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

ALL
DC

i
i-PAM

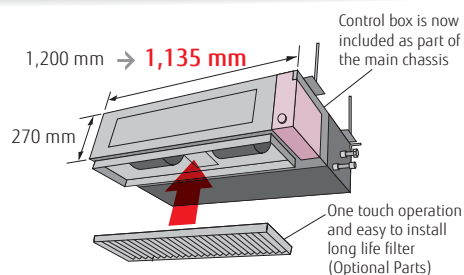
V
V-PAM



(45)

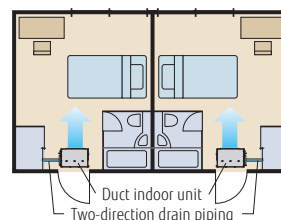
Slim & Compact design

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



Two-direction drain piping

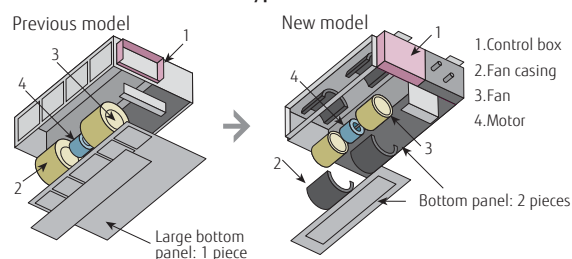
Improves installation possibilities.



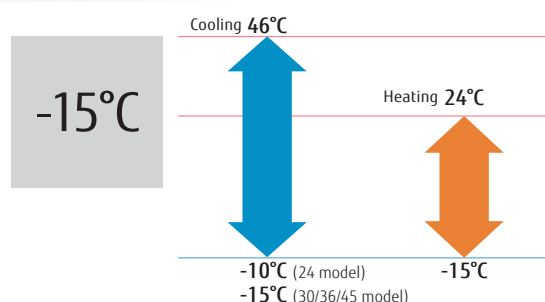
Easy maintenance

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

See below for the case of rear suction type



Low ambient operation



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



Wired R.C.



For ARYG24LMLA



For ARYG30/36LMLE



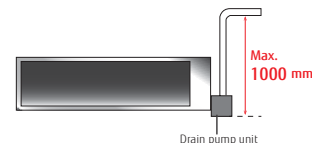
For ARYG36/45LMLA

Specifications

Model No.	Indoor unit		ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA	ARYG36LMLA	ARYG45LMLA
	Outdoor unit		AOYG24LCB	AOYG30LETL	AOYG36LETL	AOYG45LETL	AOYG36LATT	AOYG45LATT
Power Source			Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz	
Capacity	Cooling	kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)
	Heating		8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)
UK Total / Sensible Cooling		kW	5.98 / 4.52	8.41 / 6.66	9.03 / 6.72	11.31 / 8.53	9.07 / 6.39	11.38 / 7.69
Input Power	Cooling / Heating	kW	2.21 / 2.26	2.65 / 2.68	2.96 / 3.10	1.33 / 1.34	2.84 / 2.87	3.89 / 3.88
EER	Cooling		3.08	3.21	3.18	3.77	3.52	3.21
COP	Heating	W/W	3.54	3.73	3.61	3.68	3.90	3.61
Pdesign	Cooling / Heating(-10°C)	kW	6.8 / 6.0	8.5 / 8.0	9.4 / 8.7	12.1 / 9.2	10.0 / 10.0	12.5 / 10.1
SEER	Cooling		6.20	5.90	5.70	5.07 (LOT21)	5.80	5.06 (LOT21)
SCOP	Heating	W/W	4.00	3.90	3.80	3.50 (LOT21)	4.00	3.61 (LOT21)
Energy Efficiency Class	Cooling		A++	A+	A+	-	A+	-
	Heating		A+	A	A	-	A+	-
Annual Energy Consumption	Cooling	kWh/a	384	504	576	-	603	-
	Heating		2099	2868	3202	-	3497	-
Moisture Removal		l/h	2.5	2.5	3.0	4.0	3.0	4.5
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31 / 29 / 27 / 25	39 / 35 / 30 / 26	39 / 35 / 30 / 26	42 / 38 / 32 / 28	38 / 36 / 31 / 26	42 / 38 / 32 / 28
	Indoor (Heating)	H/M/L/Q	31 / 29 / 27 / 25	42 / 35 / 30 / 26	42 / 35 / 30 / 26	42 / 38 / 32 / 28	40 / 36 / 31 / 26	42 / 38 / 32 / 28
Sound Power Level	Outdoor(Cooling/Heating)	High	52 / 53	53 / 55	54 / 55	55 / 55	51 / 53	54 / 54
	Indoor(Cooling/Heating)	High	60 / 62	65 / 69	65 / 70	-	65 / 67	-
Sound Power Level	Outdoor(Cooling/Heating)	High	67 / 70	68 / 69	69 / 70	-	67 / 69	-
	Indoor(Cooling/Heating)	High	-	-	-	-	-	-
Airflow Rate	Indoor / Outdoor	m ³ /h	1100 / 2470	1900 / 3600	1900 / 3800	2100 / 6750	1800 / 6200	2100 / 6750
Static pressure range (Standard)		Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	0 to 150 (60)	30 to 150 (47)	30 to 150 (60)
Net Dimensions	Indoor	mm	270×1135×700	270×1135×700	270×1135×700	270×1135×620	270×1135×700	270×1135×700
H x W x D		kg	38	40	40	40	40	40
Weight	Outdoor	mm	578×790×315	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330
		kg	44	61	61	86	104	104
Remote Controller Type (Supplied with unit)			Wired	Wired	Wired	Wired	Wired	Wired
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				3 Core + Earth	
Suggested MCB Size		Amp	15	20	25	25	10	10
Max. Operating Current	Cooling / Heating	Amp	12.0 / 13.5	17.0 / 17.0	18.5 / 20.0	21.0 / 21.0	8.5 / 8.5	9.5 / 9.5
Power Supply To			Outdoor				Outdoor	
Connection Pipe Diameter (Gas & Liquid)		Inch	5/8 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Factory Gas Charge Length)		m	30 (15)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)
Max Height Difference			20	30	30	15	30	30
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	g	1,700	2,100	2,100	3,350	3,450	3,450
Operation Range	Additional Charge	g/m	20	40	40	40	50	50
	Cooling	°CDB	-10 to 46	-15 to 46	-15 to 46	-10 to 46	-15 to 46	-15 to 46
Operation Range	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
System List Price		£	1993	2467	2662	2999	2882	3145

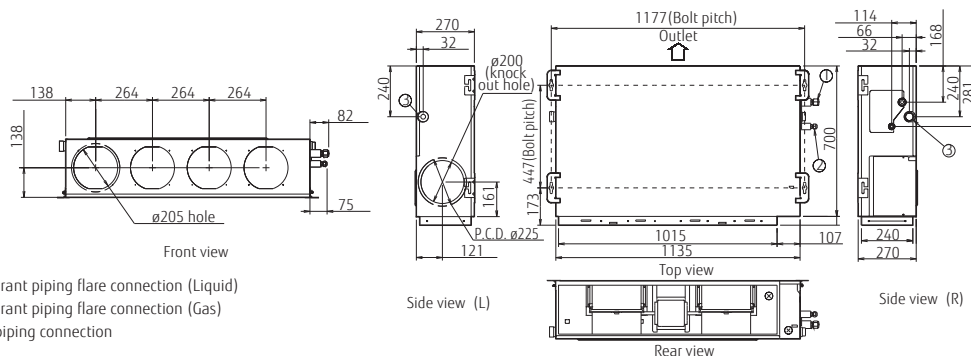
Optional parts

Wired Remote Controller:	UTYRVNMY	£104	Drain Pump Unit:	UTZPX1NBA	£62
Simple Remote Controller:	UTYRSNYM	£83	IR Receiver Kit:	UTYLRYHM	£262
Flange (Round):	UTDRF204	£31	External Connect Kit:	UTDECS5A	£14
Flange (Square):	UTDSF045T	£42	Modbus Interface:	FJRCMBS1	£234
Long Life Filter:	UTDLF25NA	£95	KNX Interface:	FJRCNX1i	£265
Remote Sensor Unit:	UTYXSZX	£56	WiFi Interface:	FJRCWIF1	£234
(Refer to page 156 for accessory combinations)			Wireless LAN Interface:	UTYTFNXZ1	£143



Dimensions

(Unit : mm)



High Static Pressure Duct



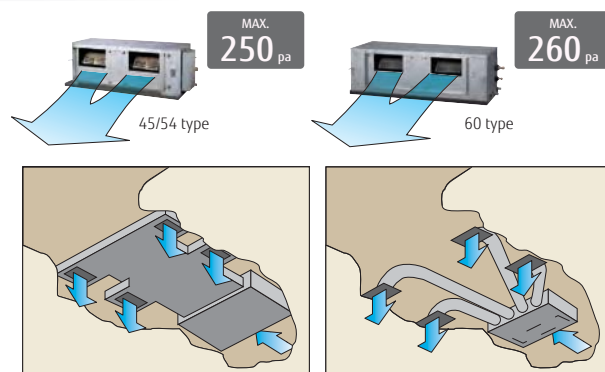
(60)
Single phase
ALL DC
i-PAM



High energy efficiency

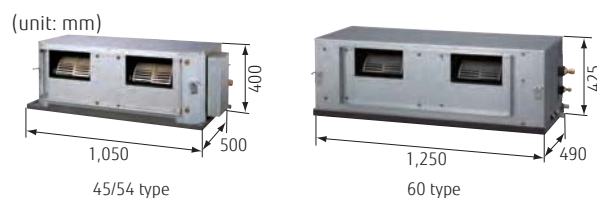
Significantly greater efficiency is realised by using all DC inverter technology. (60 type)

Design has improved high static pressure



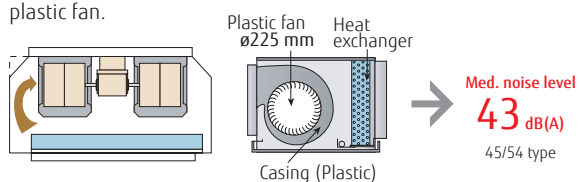
Easy installation (Compact size & Lightweight)

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

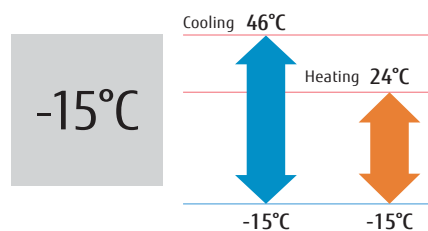


Low noise

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



Low ambient operation



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



Wired R.C.



ARYG45/54LHTA



ARYG60LHTA



Specifications

Model No.	Indoor unit		ARYG45LHTA	ARYG54LHTA	ARYG45LHTA	ARYG54LHTA	ARYG60LHTA	
	Outdoor unit		AOYG45LETL	AOYG54LETL	AOYG45LATT	AOYG54LATT	AOYG60LATT	
Power Source			Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz			
Capacity	Cooling	kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	15.0 (6.2-17.5)	
	Heating		14.0 (5.0-16.2)	16.0 (5.5-18.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)	18.0 (6.2-20.0)	
UK Total / Sensible Cooling			kW	12.07 / 10.17	13.14 / 10.93	11.47 / 9.59	12.85 / 10.32	13.47 / 12.77
Input Power	Cooling/Heating		kW	4.30 / 3.80	4.77 / 4.69	4.06 / 3.67	4.65 / 4.37	4.70 / 5.15
EER	Cooling	W/W	2.91	2.81	3.08	3.01	3.19	
COP	Heating		3.68	3.41	3.81	3.66	3.50	
SEER (LOT21)	Cooling	W/W	4.60	4.60	4.60	4.60	4.86	
SCOP (LOT21)	Heating		3.40	3.40	3.40	3.40	3.60	
Moisture Removal			l/h	1.5	2.0	1.5	2.5	2.0
Sound Pressure	Indoor (Cooling)	H / M / L	dB(A)	47 / 43 / 40	47 / 43 / 40	47 / 43 / 40	47 / 43 / 40	45 / 40 / 36
	Indoor (Heating)	H / M / L		47 / 43 / 40	47 / 43 / 40	47 / 43 / 40	47 / 43 / 40	45 / 40 / 36
	Outdoor(Cooling/Heating)	High		55 / 55	55 / 57	54 / 54	55 / 56	56 / 58
Airflow Rate	Indoor / Outdoor	High	m³/h	3350 / 6750	3350 / 6750	3350 / 6750	3350 / 6900	3550 / 6900
Static pressure range (Standard)			Pa	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	60 to 260 (60)
Net Dimensions H x W x D Weight	Indoor		mm	400×1050×500	400×1050×500	400×1050×500	400×1050×500	425×1250×490
			kg	46	46	46	46	54
	Outdoor		mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
			kg	86	86	104	104	104
Remote Controller Type (Supplied with unit)				Wired	Wired	Wired	Wired	Wired
Interconnecting Cable (Suggested cable size 2.5mm)			3 Core + Earth		3 Core + Earth			
Suggested MCB Size			Amp	25	25	15	15	15
Max. Operating Current			Amp	22.5 / 22.5	23.5 / 23.5	11.0 / 11.0	12.0 / 12.0	12.5 / 12.5
Power Supply To			Outdoor		Outdoor			
Connection Pipe Diameter (Gas & Liquid)			Inch	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Factory Gas Charge Length)			m	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference				30	30	30	30	30
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A
	Charge	g	3,350	3,350	3,450	3,450	3,450	
	Additional Charge	g/m	40	40	50	50	50	
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
System List Price			£	3059	3293	3205	3471	3726

Optional parts

Wired Remote Controller:	UTYRVNYM	£104
Simple Remote Controller:	UTYRSNYM	£83
Long Life Filter:	UTDLF60KA (for ARYG45/54LHTA only)	£95
Remote Sensor Unit:	UTYXSZX	£56
IR Receiver Kit:	UTYLRHYM (for ARYG60LHTA only)	£262
Wireless LAN Interface:	UTYTFNXZ1	£143

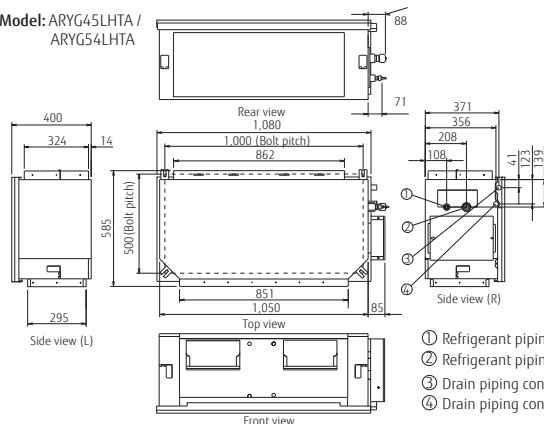
External Connect Kit: - Indoor	UTDECSSA	£14
External Connect Kit: - Outdoor	UTYXWZXZ3	£19
Modbus Interface:	FJRCMB51	£234
KNX Interface:	FJRCKNX1i	£265
WiFi Interface:	FJRCWIFI1	£234

(Refer to page 156 for accessory combinations)

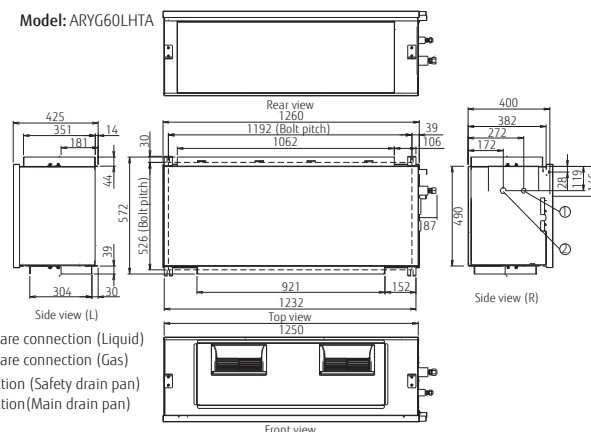
Dimensions

(Unit : mm)

Model: ARYG45LHTA /
ARYG54LHTA



Model: ARYG60LHTA



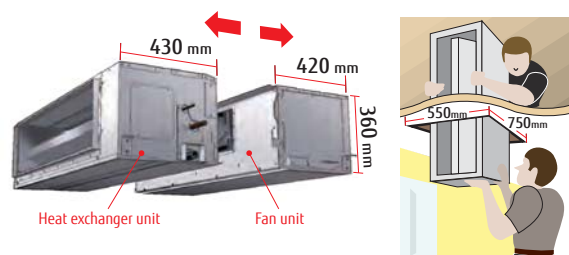
- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection (Safety drain pan)
- ④ Drain piping connection (Main drain pan)

Big Duct



Separation is possible by lightweight compact design

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



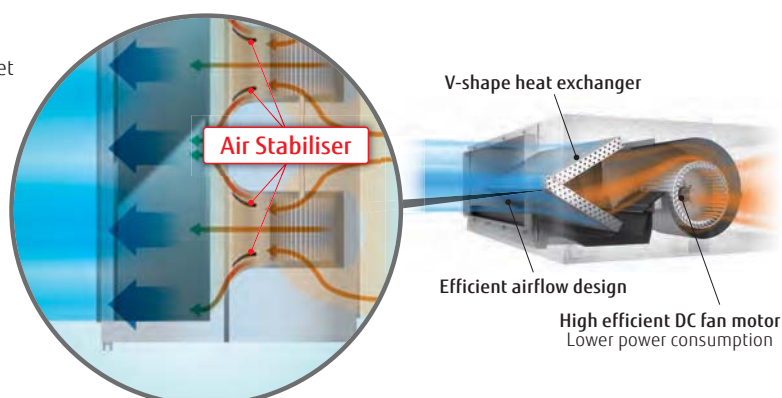
Automatic Airflow adjustment function

This function can set the optimum airflow automatically, so that time spent balancing the airflow is considerably reduced.



Quiet operation

The combination of the V-shaped heat exchanger, air stabiliser, and the high efficient DC fan motor allows quiet operation despite it's small structural design.



Model : ARYG72LHTA / ARYG90LHTA



Wired R.C.



Specifications

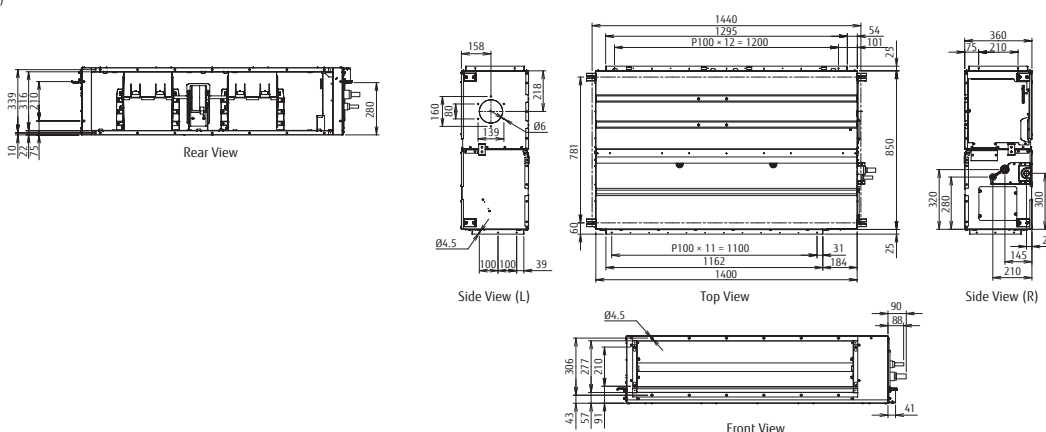
Model No.	Indoor unit		ARYG72LHTA		ARYG90LHTA		
	Outdoor unit		AOYG72LRLA		AOYG90LRLA		
Power Source	Indoor		Single-phase, ~230V, 50Hz				
	Outdoor		3-phase, ~400V, 50Hz				
Capacity	Cooling	kW	19.0 (8.4-20.9)		22.0 (10.3-24.2)		
	Heating		22.4 (7.2-24.6)		27.0 (8.5-29.7)		
UK Total / Sensible Cooling			18.96/14.65		21.95/16.62		
Input Power	Cooling/Heating		kW	6.46 / 6.59		7.77 / 8.18	
EER	Cooling		W/W	2.94		2.83	
COP	Heating			3.4		3.3	
SEER (LOT21)	Cooling		W/W	5.22		5.14	
SCOP (LOT21)	Heating			3.94		3.92	
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	High	m³/h	4300/8400		4300/9000	
Static pressure range (Standard)			Pa	50 to 150 (72)		50 to 200 (72)	
Net Dimensions H x W x D Weight	Indoor		mm	360×1400×850		360×1400×850	
			kg(lbs)	69 (152)		80 (176)	
	Outdoor		mm	1428×1080×480		1428×1080×480	
			kg(lbs)	165 (363)		174 (383)	
Remote Controller Type (Supplied with unit)				Wired		Wired	
Interconnecting Cable (Suggested cable size 2.5mm)				3 Core +Earth			
Suggested MCB Size		Amp	Outdoor 16 Amp 3ph / Indoor 6 Amp 240 1ph		Outdoor 20 Amp 3ph / Indoor 10 Amp 240 1ph		
Max. Operating Current	Indoor (Cooling/Heating)	Amp	4.6/4.6		6.0/6.0		
	Outdoor (Cooling/Heating)		13.3/13.3		14.6/14.6		
Power Supply To			Outdoor + Indoor				
Connection Pipe Diameter (Gas / Liquid)		Inch	7/8 / 1/2		7/8 / 1/2		
Max Pipe Length (Pre-Charge)		m	100 (30)		100 (30)		
Height Difference			30		30		
Operation Range	Cooling	°CDB	-15 to 46		-15 to 46		
	Heating		-20 to 24		-20 to 24		
Refrigerant	Type		R410A		R410A		
	Charge	g	5,600		7,160		
	Additional Charge	g/m	110		110		
System List Price		£	4602		5145		

Optional parts

Wired Remote Controller:	UTYRNRZ2	£161	External input & output PCB (with bracket):	UTYXCSX + UTZGXNA	£85 + £28
Wired Remote Controller:	UTYRVNYM	£104	Drain Pump Unit:	UTZPX1NAB	£98
Simple Remote Controller:	UTYRSNYM	£83	Long Life Filter:	UTDLFKA	£61
Simple Remote Controller:	UTYRSRY	£120	Wireless LAN Interface:	UTYTFXSZ1	£143
IR Receiver Unit:	UTYLBTYM	£266			
Remote Sensor Unit:	UTYXSZX	£56	(Refer to page 156 for accessory combinations)		
External Connect Kit:	UTYXWZXZG	£8			

Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

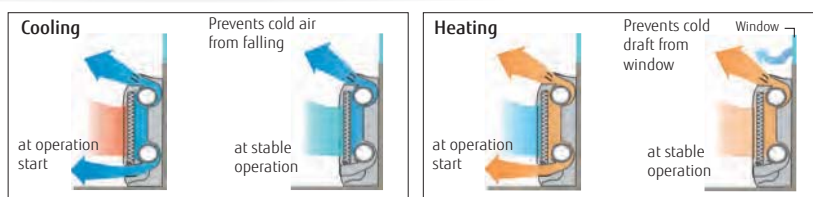
Floor

Compact & Comfort



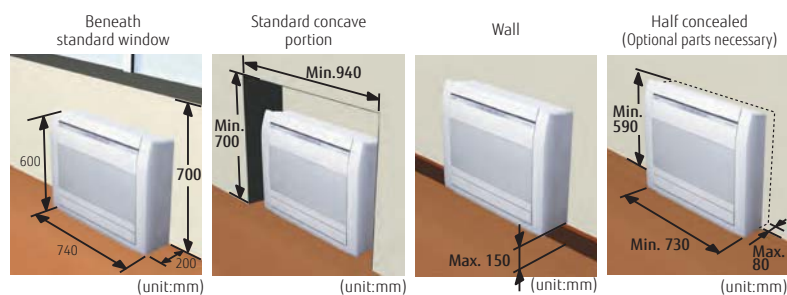
2-Fan & Wide airflow

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



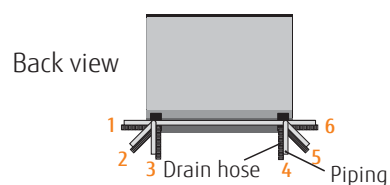
Flexible & easy installation

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



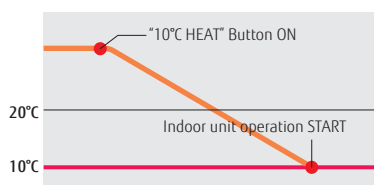
Flexible piping connection 6 possible ways of drain & piping

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

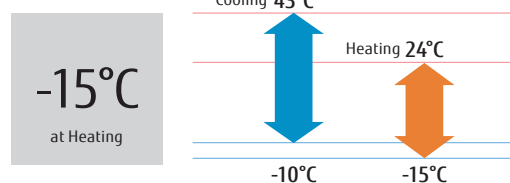


10°C HEAT Operation

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied



Low ambient operation



Model: AGYG09LVCA / AGYG12LVCA / AGYG14LVCA

Wireless R.C.



For AGYG09/12LVCA



For AGYG14LVCA

Specifications

Model No.	Indoor unit		AGYG09LVCA		AGYG12LVCA		AGYG14LVCA			
	Outdoor unit		AOYG09LVCA		AOYG12LVCA		AOYG14LVCA			
Power Source			Single-phase, ~230V, 50Hz							
Nominal Capacity	Cooling	kW	2.60 (0.90-3.50)		3.50 (0.90-4.00)		4.20 (0.90-5.00)			
	Heating		3.50 (0.90-5.50)		4.50 (0.90-6.60)		5.20 (0.90-8.00)			
UK Total/Sensible Cooling			2.49/2.24		3.36/2.59		4.03/2.92			
Power Consumption	Cooling/Heating		kW	0.53/0.79		0.94/1.19		1.14/1.44		
EER	Cooling		W/W	4.91		3.72		3.68		
COP	Heating			4.43		3.78		3.61		
Pdesign	Cooling/Heating(-10°C)		kW	2.60/2.90		3.50/3.80		4.20/4.70		
SEER	Cooling		W/W	7.00		6.50		6.40		
SCOP	Heating (Average)			4.20		4.00		4.00		
Energy Efficiency Class	Cooling		A++		A++		A++			
	Heating (Average)		A+		A+		A+			
Annual Energy Consumption	Cooling		kWh/a	130		188		230		
	Heating			967		1330		1645		
Moisture Removal			l/h	1.30		1.80		2.10		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	40/35/29/22		40/35/29/22		44/38/31/22		
	Indoor (Heating)	H/M/L/Q		40/35/29/22		40/35/29/22		43/37/29/22		
Sound Power Level	Outdoor(Cooling/Heating)	High		47/48		48/49		50/50		
	Indoor(Cooling/Heating)	High		55/56		55/56		58/58		
Airflow Rate	Indoor / Outdoor	High	m³/h	570/1680		570/1680		650/1910		
	Indoor			mm		600×740×200		600×740×200		
Net Dimensions H x W x D	Indoor		kg	14		14		14		
	Outdoor		mm	540×790×290		540×790×290		578×790×300		
Weight	Outdoor		kg	36		36		40		
Remote Controller Type			Wireless		Wireless		Wireless			
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth							
Suggested MCB Size			Amp	10		10		16		
Max. Operating Current			Cooling/Heating	Amp	7.00/10.00		7.00/10.00		9.00/13.50	
Starting Current			Amp	3.80		5.50		6.40		
Power Supply To			Outdoor							
Connection Pipe Diameter (Gas / Liquid)			Inch	3/8 & 1/4		3/8 & 1/4		1/2 & 1/4		
Max Pipe Length (Factory Gas Charge Pipe Length)			m	20 (15)		20 (15)		20 (15)		
Max Height Difference				15		15		15		
Refrigerant	Type		R410A							
	Charge		g	1,050		1,050		1,150		
	Additional Charge		g/m	20		20		20		
Operation Range	Cooling		°CDB	-10 to 43		-10 to 43		-10 to 43		
	Heating			-15 to 24		-15 to 24		-15 to 24		
System List Price			£	1148		1287		1480		

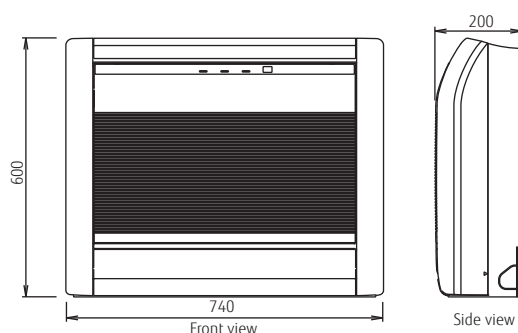
Optional parts

Wired Remote Controller:	UTYRVNYM	£104
Simple Remote Controller:	UTYRSNYM	£83
External Connect Kit:	UTYXWZX	£9
Modbus Interface:	FJRCMB51	£234
KNX Interface:	FJRCKNX1i	£265
WiFi Interface:	FJRCWIF1i	£234
Wireless LAN Interface:	UTYTFNXZ1	£143

(Refer to page 156 for accessory combinations)

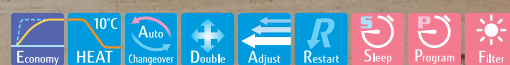
Dimensions

(Unit : mm)



Floor/Ceiling

Comfort & Dual Design



Flexible installation

Example for floor installation

Floor console



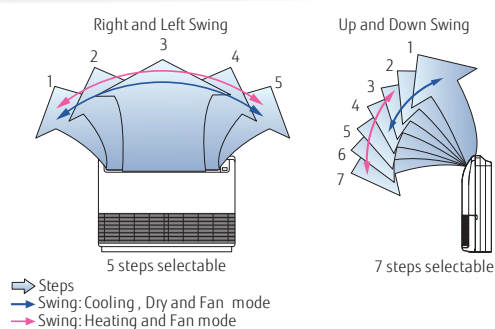
Example for ceiling installation

Under ceiling



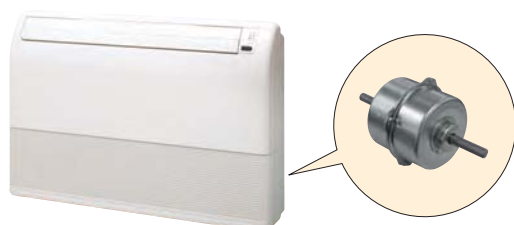
Double auto swing

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

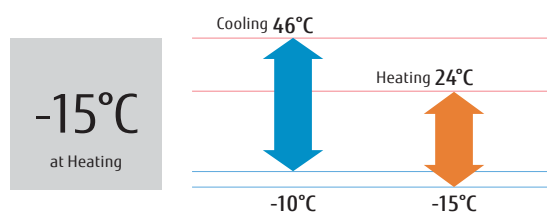


High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation



Model : ABYG18LVTB / ABYG24LVTB



Wireless R.C.



For ABYG18LVTB



For ABYG24LVTA

Specifications

Model No.	Indoor unit		ABYG18LVTB		ABYG24LVTa		
	Outdoor unit		AOYG18LALL		AOYG24LALA		
Power Source			Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	5.2 (0.9-5.9)		6.8 (0.9-8.0)		
	Heating		6.0 (0.9-7.5)		8.0 (0.9-9.1)		
UK Total / Sesible Cooling		kW	4.79 / 3.33		6.05 / 4.51		
Input Power	Cooling/Heating	kW	1.62/1.66		2.21/2.26		
EER	Cooling	W/W	3.21		3.08		
COP	Heating		3.61		3.54		
Pdesign	Cooling/Heating(-10°C)	kW	5.2/5.2		6.8/6.0		
SEER	Cooling	W/W	6.10		5.60		
SCOP	Heating (Average)		4.00		3.90		
Energy Efficiency Class	Cooling		A++		A+		
	Heating (Average)		A+		A		
Annual Energy Consumption	Cooling	kWh/a	298		425		
	Heating		1818		2153		
Moisture Removal		l/h	2.0		2.7		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/40/34/31		48/44/40/35	
	Indoor (Heating)	H/M/L/Q		43/40/34/31		48/44/40/35	
	Outdoor(Cooling/Heating)	High		50/50		52/53	
Sound Power Level	Indoor(Cooling/Heating)	High		57/57		61/61	
	Outdoor(Cooling/Heating)	High		62/65		67/70	
Airflow Rate	Indoor / Outdoor	High	m³/h	780/2000		980/2470	
Net Dimensions H x W x D Weight	Indoor		mm	199×990×655		199×990×655	
			kg(lbs)	27 (59)		27 (59)	
	Outdoor		mm	578×790×300		578×790×315	
			kg(lbs)	40 (88)		44 (97)	
Remote Controller Type (Supplied with unit)			Wireless		Wireless		
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size		Amp	16		16		
Max. Operating Current	Cooling/Heating	A	9.0/12.5		12.0/13.5		
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas & Liquid)		Inch	1/2 & 1/4		5/8 & 1/4		
Max Pipe Length (Factory Gas Charge)		m	25 (15)		30 (15)		
Max Height Difference			15		20		
Refrigerant	Type		R410A		R410A		
	Charge	g	1,250		1,700		
	Additional Charge	g/m	20		20		
Operation Range	Cooling	°CDB	-10 to 46		-10 to 46		
	Heating		-15 to 24		-15 to 24		
System List Price		£	1471		1827		

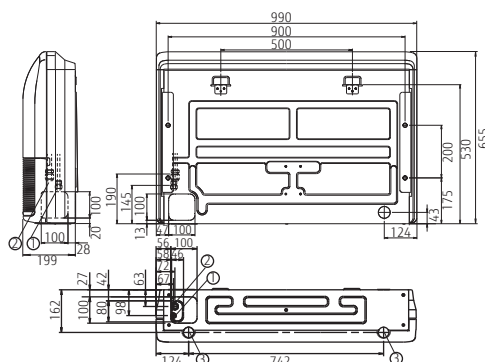
Optional parts

Wired Remote Controller:	UTYRVNYM	£104
Simple Remote Controller:	UTYRSNYM	£83
External Connect Kit:	UTYXWZX	£9
Modbus Interface:	FJRCMB51	£234
KNX Interface:	FJRCKNX1i	£265
WiFi Interface:	FJRCWIF1	£234
Wireless LAN Interface:	UTYTFNXZ1	£143

(Refer to page 156 for accessory combinations)

Dimensions

(Unit : mm)



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

PRODUCT LINEUP: SPLIT

Ceiling

Comfort for Large Room

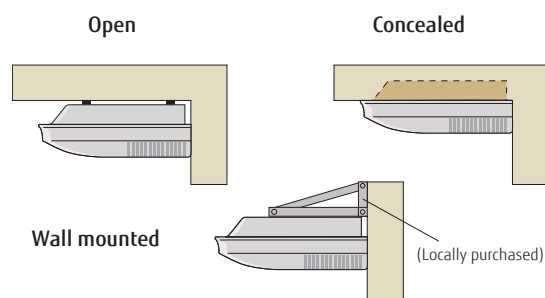


Single phase



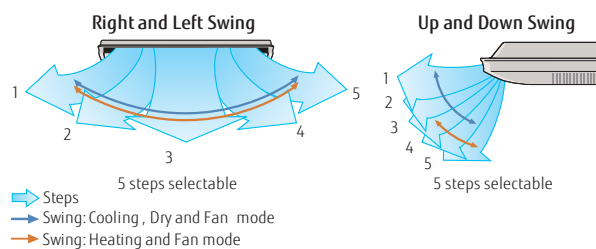
Flexible installation

Various installations are possible to match the room layout.

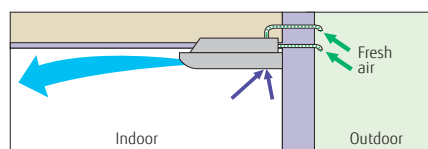


Multi auto swing

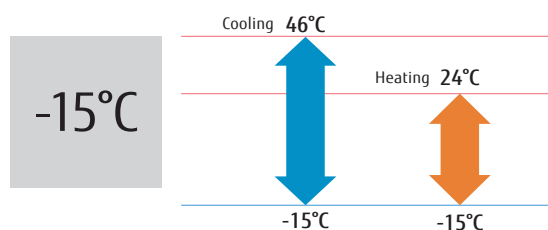
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Low ambient operation



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



Wireless R.C.



For ABYG30/36LRTE



For ABYG36/45/54LRTA

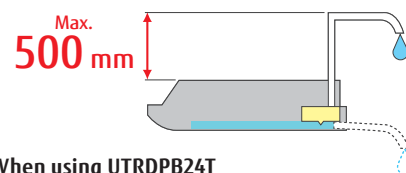
Specifications

Model No.	Indoor unit		ABYG30LRTE	ABYG36LRTE	ABYG45LRTA	ABYG36LRTA	ABYG45LRTA	ABYG54LRTA
	Outdoor unit		AOYG30LETL	AOYG36LETL	AOYG45LETL	AOYG36LATT	AOYG45LATT	AOYG54LATT
Power Source			Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating	kW	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power		kW	2.65 / 2.77	2.93 / 3.02	3.77 / 3.68	2.84 / 2.87	3.89 / 3.88	4.65 / 4.67
Input Power	Cooling/Heating	kW	2.65 / 2.77	2.93 / 3.02	3.77 / 3.68	2.84 / 2.87	3.89 / 3.88	4.65 / 4.67
EER	Cooling	W/W	3.21	3.21	3.21	3.52	3.21	3.01
COP	Heating	W/W	3.61	3.71	3.61	3.90	3.61	3.43
Pdesign	Cooling / Heating(-10°C)	kW	8.5 / 8.0	9.4 / 8.7	12.1 / 9.2	10.0 / 10.0	12.5 / 10.1	14.0 / 10.4
SEER	Cooling	W/W	6.10	6.00	6.63 (LOT21)	6.10	6.03 (LOT21)	5.72 (LOT21)
SCOP	Heating	W/W	4.20	4.10	3.91 (LOT21)	4.10	3.98 (LOT21)	3.93 (LOT21)
Energy Efficiency Class	Cooling		A++	A+	-	A++	-	-
	Heating		A+	A+	-	A+	-	-
Annual Energy Consumption	Cooling	kWh/a	487	548	-	573	-	-
	Heating	kWh/a	2662	2965	-	3414	-	-
Moisture Removal		l/h	2.5	3.0	4.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	45 / 43 / 37 / 32	47 / 43 / 37 / 32	49 / 45 / 39 / 34	47 / 43 / 37 / 32	49 / 45 / 39 / 34	51 / 48 / 42 / 38
	Indoor (Heating)	H/M/L/Q	45 / 43 / 37 / 32	47 / 43 / 37 / 32	49 / 45 / 39 / 34	47 / 43 / 37 / 32	49 / 45 / 39 / 34	51 / 48 / 42 / 38
	Outdoor(Cooling/Heating)	High	53 / 55	54 / 55	55 / 55	51 / 53	54 / 54	55 / 56
Sound Power Level	Indoor(Cooling/Heating)	High	57 / 60	60 / 61	-	61 / 61	-	-
	Outdoor(Cooling/Heating)	High	68 / 69	69 / 70	-	67 / 69	-	-
Airflow Rate	Indoor / Outdoor	High	m³/h	1660 / 3600	1900 / 3800	2100 / 6200	1900 / 6200	2100 / 6900
Net Dimensions	Indoor	mm	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700
H x W x D		kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	48 (106)
Weight	Outdoor	mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
		kg(lbs)	61 (134)	61 (134)	86 (189)	104 (229)	104 (229)	104 (229)
Remote Controller Type (Supplied with unit)			Wireless	Wireless	Wireless	Wireless	Wireless	Wireless
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth			3 Core + Earth		
Suggested MCB Size		Amp	20	25	25	16	16	16
Max. Operating Current	Cooling / Heating	Amp	17.0 / 17.0	18.5 / 20.0	20.5 / 20.5	7.9 / 7.9	8.9 / 8.9	9.9 / 9.9
Power Supply To			Outdoor			Outdoor		
Connection Pipe Diameter (Gas & Liquid)		Inch	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Factory Gas Charge Length)		m	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference		m	30	30	30	30	30	30
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	g	2,100	2,100	3,350	3,450	3,450	3,450
	Additional Charge	g/m	40	40	40	50	50	50
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
System List Price		£	2363	2872	3192	2859	3338	3507

Optional parts

Wired Remote Controller:	UTYRVNYM	£104
Simple Remote Controller:	UTYRSNYM	£83
Drain Pump Unit:	UTRDPB24T	£47
Flange	UTDRF204	£31

External Connect Kit:	UTYXWZX	£9
Modbus Interface:	FJRCMBS1	£234
KNX Interface:	FJRCKNX1i	£265
WiFi Interface:	FJRCWIFI1	£234

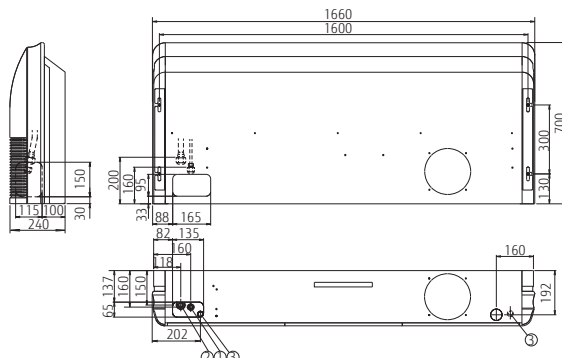


(Refer to page 156 for accessory combinations)

When using UTRDPB24T

Dimensions

(Unit : mm)



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



PRODUCT LINEUP

MULTI SPLIT





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

An air conditioner that is people-friendly is also environment friendly. Fujitsu General offers a broad lineup of products for large living rooms to bedrooms and children's rooms.



MULTI SPLIT

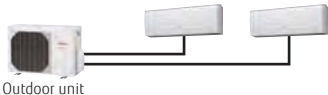
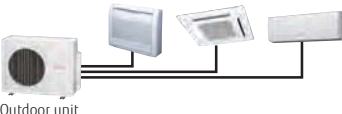
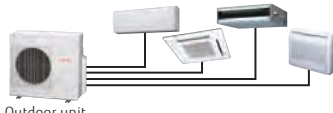
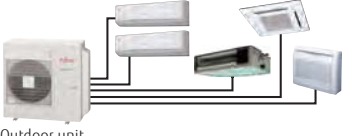
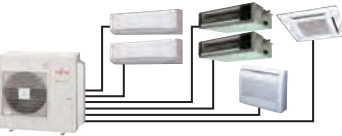
- 070 Multi Split Outdoor Units Lineup
- 071 Connectable Indoor Units - Indoor Units Lineup -
- 072 2 & 3-4 Rooms Multi
- 074 5-6 Rooms Multi
- 076 Multi Split Indoor Units Specifications
- 078 Multi Combination Table

PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Outdoor Units Lineup



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

Model code		14	18		24	30	36	45
Cooling rated capacity(kW)		4	5	5.4	6.8	8	10	12.5
2 Rooms Multi Up to 2 units	 Outdoor unit	● AOYG 14LAC2	● AOYG 18LAC2					
3 Rooms Multi Up to 3 units	 Outdoor unit			● AOYG 18LAT3*	● AOYG 24LAT3*			
4 Rooms Multi Up to 4 units	 Outdoor unit					● AOYG 30LAT4*		
5 Rooms Multi Up to 5 units	 Outdoor unit						● AOYG 36LBA5*	
6 Rooms Multi Up to 6 units	 Outdoor unit							● AOYG 45LBA6*

• All model refrigerant types are R410A.

Note: **1. 2 Rooms Multi:** Connectable indoor units are 2 units.

AOYG14LAC2: Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.

AOYG18LAC2: Total capacity of indoor units connected must be between 4.0 kW and 7.0 kW.

2. 3 Rooms Multi: Connectable indoor units are 2 to 3 units.

AOYG18LAT3: Total capacity of indoor units connected must be between 4.0 kW and 8.5 kW.

AOYG24LAT3: Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.

3. 4 Rooms Multi: Connectable indoor units are 3 to 4 units.

AOYG30LAT4: Total capacity of indoor units connected must be between 7.5 kW and 14.0 kW.

4. 5 Rooms Multi: Connectable indoor units are 2 to 5 units

AOYG36LBA5: Total capacity of indoor units connected must be between 7.5 kW and 15.5 kW.

5. 6 Rooms Multi: Connectable indoor units are 2 to 6 units

AOYG45LBA6: Total capacity of indoor units connected must be between 9.5 kW and 18.0 kW.

Cooling rated capacity: *1: 12.1 kW *2: 13.3 kW

Connectable Indoor Units — Indoor Unit Lineup —

MULTI SPLIT Outdoor Unit	Type		2 Rooms		3 Rooms		4 Rooms	5 Rooms	6 Rooms
	Model name		AOYG14LAC2	AOYG18LAC2	AOYG18LAT3	AOYG24LAT3	AOYG30LAT4	AOYG36LBA5	AOYG45LBA6
									
	Capacity (kW)	Cooling	4.0	5.0	5.4	6.8	8.0	10.0	12.5
		Heating	4.4	5.6	6.8	8.0	9.6	12.0	13.5
Indoor Unit		BTU	kW Class						
 ASYG07/09/12/14LMCE	7000	2.0	●	●	●	●	●	●	●
	9000	2.5	●	●	●	●	●	●	●
	 ASYG07/09/12/14LUCA	12000	3.5	●	●	●	●	●	●
		14000	4.0	—	●	●	●	●	●
 ASYG18/24LF	18000	5.0	—	—	—	●	●	●	●
	24000	7.0	—	—	—	—	●	●	●
 AGYG09/12/14LV	9000	2.5	—	●	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●	●
 AUYG07/09/12/14/18LV	7000	2.0	—	●	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●	●
	18000	5.0	—	—	—	●	●	●	●
 ABYG14/18LV	14000	4.0	—	—	●	●	●	●	●
	18000	5.0	—	—	—	●	●	●	●
 ARYG07/09/12/14/18SLAP	7000	2.0	—	●	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●	●
	18000	5.0	—	—	—	●	●	●	●
 ARYG07/09/12/14/18LL	7000	2.0	—	●	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●	●
	18000	5.0	—	—	—	●	●	●	●

PRODUCT LINEUP: MULTI SPLIT

2 & 3-4 Rooms Multi

ALL
DC

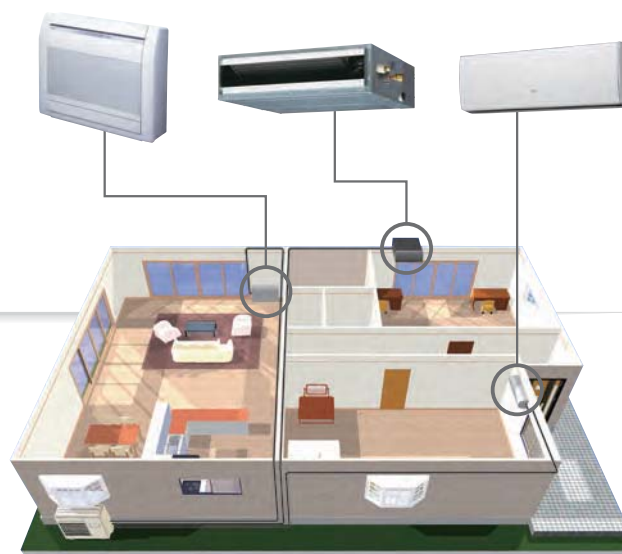


Wide range of indoor units with various models

7 types 26 models are lined up in the capacity range from 2 kW to 7 kW class. Wide range of needs can be met for rooms of private homes to large shops and hotels.

Space-saving installation

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



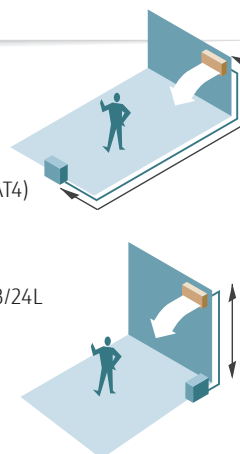
Flexible installation

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

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

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

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



2 Rooms: AOYG14LAC2 / AOYG18LAC2

3 Rooms: AOYG18LAT3 / AOYG24LAT3

4 Rooms: AOYG30LAT4

Specifications (2 ROOMS, 3 ROOMS, 4 ROOMS)

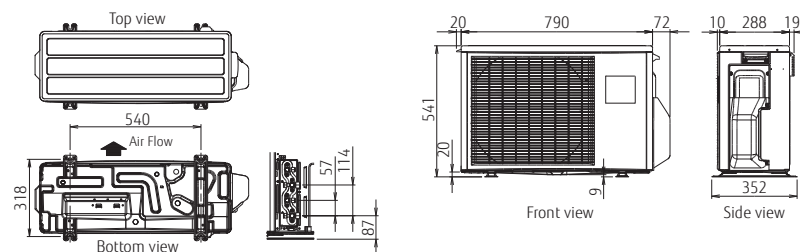
Model No.	Outdoor unit			AOYG14LAC2	AOYG18LAC2	AOYG18LAT3	AOYG24LAT3	AOYG30LAT4
Power Source				Single-phase, ~230V, 50Hz				
Nominal Capacity	Cooling		kW	4.0 (1.40-4.40)	5.0 (1.70-5.60)	5.4 (1.80-6.80)	6.8 (1.80-8.50)	8.0 (3.50-10.10)
	Heating			4.4 (1.10-5.40)	5.6 (1.80-6.10)	6.8 (2.00-8.00)	8.0 (2.00-8.80)	9.6 (3.70-12.00)
Power Consumption	Cooling/Heating		kW	1.09/1.03	1.56/1.41	1.35/1.62	1.94/2.00	2.22/2.40
EER	Cooling		W/W	3.67	3.21	4.00	3.51	3.60
COP	Heating			4.27	3.97	4.20	4.00	4.00
Pdesign	Cooling/Heating(-10°C)		kW	4.00/3.80	5.00/4.20	5.40/5.00	6.80/5.20	8.00/6.20
SEER	Cooling		W/W	6.70	6.60	6.90	6.40	6.20
SCOP	Heating (Average)			4.10	4.10	4.30	4.20	4.00
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+	A+
Annual Energy Consumption	Cooling		kWh/a	209	265	274	372	451
	Heating			1296	1434	1627	1730	2169
Sound Pressure Level	Cooling	High	dB(A)	47	50	46	48	50
	Heating			49	51	47	49	51
Sound Power Level	Cooling/Heating	High		61/63	63/64	65/67	68/70	68/70
Airflow Rate	Indoor / Outdoor	High	m³/h	1850/1850	2050/2050	3050/2750	3300/3300	3500/3300
Net Dimensions	H x W x D Outdoor		mm	540×790×290	540×790×290	700×900×330	700×900×330	830×900×330
Weight	Outdoor		kg	37	38	55	55	68
Interconnecting Cable (Suggested cable size 1.5mm)				3 Core + Earth				
Suggested MCB Size			Amp	16	16	16	16	20
Max. Operating Current	Cooling/Heating		Amp	5.12/4.91	6.90/6.30	5.90/7.10	8.50/8.80	9.70/10.50
Starting Current			Amp	4.90	6.30	7.10	8.80	10.50
Power Supply To				Outdoor				
Connection Pipe Diameter	Gas	Inch		3/8 x2	3/8 x2	3/8 x2 / 1/2 x1	3/8 x2 / 1/2 x1	3/8 x2 / 1/2 x2
	Liquid		1/4 x2	1/4 x2	1/4 x3	1/4 x3	1/4 x4	
Max Pipe Length (Factory Gas Charge Pipe Length)			m	30	30	50	50	70
Max Height Difference				15	15	15	15	15
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A
	Charge	g		1,250	1,300	2,200	2,200	3,300
	Additional Charge	g/m		10	20	20	20	25
Operation Range	Cooling	°CDB		10 to 46	10 to 46	-10 to 46	-10 to 46	0 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-10 to 24	
List Price			£	940	1136	1282	1462	1996

* Connect to connection valve by the adapter.

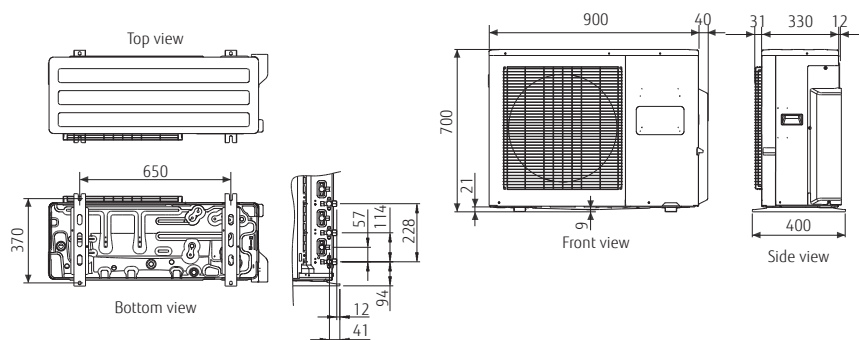
Dimensions

(Unit : mm)

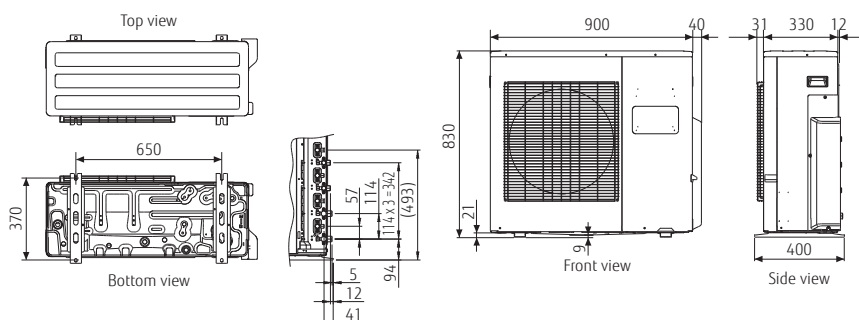
2 Rooms: AOYG14LAC2/AOYG18LAC2



3 Rooms: AOYG18LAT3/AOYG24LAT3



4 Rooms: AOYG30LAT4



5-6 Rooms Multi

ALL
DC



Wide range of indoor units with various models

6 types 26 models are lined up in the capacity range from 2 kW to 7 kW class. Wide range of needs can be met for rooms of private homes to large shops and hotels.



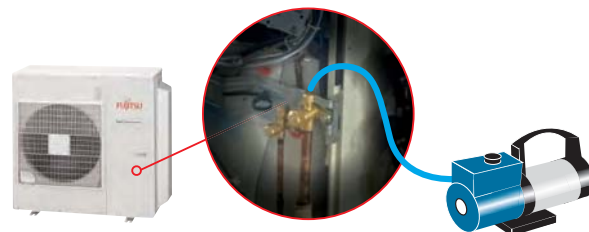
Compact design

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



Easy installation

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

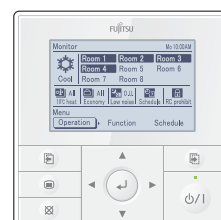


Central & Individual Control

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

Max. Controllable
1 multi system

Max. Controllable
6 indoor units



5 Rooms: AOYG36LBLA5
6 Rooms: AOYG45LBLA6



Specifications (5 ROOMS, 6 ROOMS)

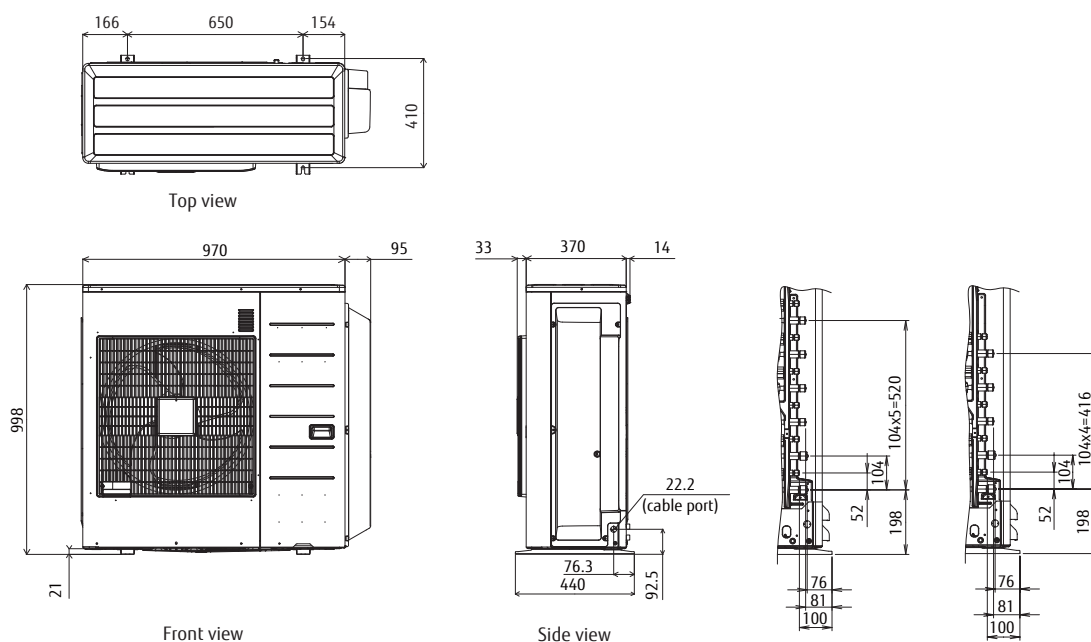
Model No.	Outdoor unit		AOYG36LBLA5	AOYG45LBLA6
Power Source			Single-phase, ~230V, 50Hz	
Nominal Capacity	Cooling	kW	10.0 (3.5-12.5)	12.5 (3.5-14.0)
	Heating		12.0 (3.5-14.0)	13.5 (3.5-16.0)
Power Consumption	Cooling/Heating	kW	2.44/2.79	3.57/3.37
EER	Cooling	W/W	4.10	3.50
COP	Heating		4.30	4.00
Pdesign	Cooling/Heating(-10°C)	kW	10.00/9.00	12.50/10.00
SEER	Cooling	W/W	7.00	6.71 (LOT21)
SCOP	Heating (Average)		4.40	4.12 (LOT21)
Energy Efficiency Class	Cooling		A++	-
	Heating (Average)		A+	-
Annual Energy Consumption	Cooling	kWh/a	500	-
	Heating		2859	-
Sound Pressure Level	Cooling	High dB(A)	53	53
	Heating		55	55
Sound Power Level	Cooling/Heating	High	67/68	67/68
Airflow Rate	Outdoor	m³/h	4200	4200
Net Dimensions	H x W x D Outdoor	mm	998×970×370	998×970×370
Weight	Outdoor	kg	94	94
Interconnecting Cable (Suggested cable size 1.5mm)			Upto 5 x 3 Core + Earth	Upto 6 x 3 Core + Earth
Suggested MCB Size		Amp	25	30
Max. Operating Current	Cooling/Heating	Amp	20.6	24
Starting Current		Amp	12.30	15.70
Power Supply To			Outdoor	
Connection Pipe Diameter	Gas	Inch	3/8 x3, 1/2 x2	3/8 x4, 1/2 x2
	Liquid		1/4 x5	1/4 x6
Max Pipe Length (Factory Gas Charge Pipe Length)		m	80 (50)	80 (50)
Max Height Difference			15	15
Refrigerant	Type		R410A	R410A
	Charge	g	4,000	4,000
	Additional Charge	g/m	20	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
List Price		£	2522	2862

Optional parts

Central Remote Controller: UTYDMMYM £468

Dimensions

(Unit : mm)



PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Indoor Units Specifications

Compact standard wall mounted



Model No.	Indoor unit			ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
kW Class		kW		2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/32/29/21	37/33/29/21	40/36/30/21	42/38/33/25
	Heating			36/32/29/22	37/33/29/22	40/36/31/22	42/38/35/27
Sound Power Level	Cooling	H	dB(A)	51	52	54	56
	Heating			51	52	55	57
Airflow Rate	Cooling	H/M/L/Q	m³/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 H x W x D			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	Inch	1/4 & 3/8	1/4 & 3/8	1/4 & 3/8	1/4 & 1/2
List Price			£	279	295	334	385

Wall mounted



Model No.	Indoor unit			ASYG18LFCA	ASYG24LFCC
kW Class		kW		5.0	7.0
Power Source				Single-phase, ~230V, 50Hz	
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	43/37/33/26	49/42/37/33
	Heating			42/37/33/25	48/42/37/33
Sound Power Level	Cooling	H	dB(A)	58	64
	Heating			58	64
Airflow Rate	Cooling	H/M/L/Q	m³/h	900/740/620/550	1120/900/740/620
	Heating			900/740/620/550	1100/900/740/620
Net Dimensions H x W x D			mm	320×998×238	320×998×238
Weight			kg	14	14
Connection Pipe Diameter		Liquid/Gas	Inch	1/4 & 1/2	1/4 & 5/8
List Price			£	415	668

Compact designer range wall mounted



Model No.	Indoor unit			ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
kW Class			kW	2.0	2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz			
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	35/30/28/21	36/32/28/21	37/34/31/21	41/36/33/25
	Heating			35/30/28/21	36/32/28/21	37/34/31/21	41/36/34/27
Sound Power Level	Cooling	H	dB(A)	53	54	55	59
	Heating			53	54	55	59
Airflow Rate	Cooling	H/M/L/Q	m³/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 H x W x D			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	Inch	1/4 & 3/8	1/4 & 3/8	1/4 & 3/8	1/4 & 1/2
List Price			£	392	419	487	561

Floor



Model No.	Indoor unit			AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
kW Class		kW		2.5	3.5	4.0
Power Source				Single-phase, ~230V, 50Hz		
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	39/34/28/22	42/36/30/22	44/38/31/22
	Heating			39/35/30/22	42/38/32/22	44/39/33/22
Sound Power Level	Cooling	H	dB(A)	52	55	56
	Heating			52	55	56
Airflow Rate	Cooling	H/M/L/Q	m³/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 H x W x D			mm	600×740×200	600×740×200	600×740×200
Weight			kg	14	14	14
Connection Pipe Diameter		Liquid/Gas	Inch	1/4 & 3/8	1/4 & 3/8	1/4 & 1/2
List Price				£	505	666

Floor ceiling



Model No.	Indoor unit			ABYG14LVTA	ABYG18LVTB
kW Class		kW		4.0	5.0
Power Source				Single-phase, ~230V, 50Hz	
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
	Heating			36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
Sound Power Level	Cooling	H	dB(A)	51	55
	Heating			51	55
Airflow Rate	Cooling	H/M/L/Q	m³/h	640/590/540/480	780/700/560/500
	Heating			640/590/540/480	780/700/560/500
Net Dimensions H x W x D			mm	199×990×655	199×990×655
Weight			kg	27	27
Connection Pipe Diameter		Liquid/Gas	Inch	1/4 & 1/2	1/4 & 1/2
List Price			£	417	687

Compact cassette



Model No.	Indoor unit			AUYG07LVLA	AUYG09LVLA	AUYG12LVLB	AUYG14LVLB	AUYG18LVLB
kW Class		kW		2.0	2.5	3.5	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	33/31/29/27	33/31/29/27	37/33/31/28	40/35/32/29	42/37/33/29
	Heating			34/32/29/27	34/32/29/27	37/33/31/28	40/37/34/29	44/40/37/30
Sound Power Level	Cooling	H	dB(A)	46	46	49	52	54
	Heating			47	47	49	52	56
Airflow Rate	Cooling	H/M/L/Q	m³/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 H x W x D			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	Inch	1/4 & 3/8	1/4 & 3/8	1/4 & 3/8	1/4 & 1/2	1/4 & 1/2
List Price		£		513	518	530	749	831

Mini duct



Model No.	Indoor unit			ARYG07LSLAP	ARYG09LSLAP	ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP
kW Class		kW		2.0	2.5	3.5	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
	Heating			29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
Sound Power Level	Cooling	H	dB(A)	52	54	55	60	58
	Heating			53	56	57	62	59
Airflow Rate	Cooling	H/M/L/Q	m³/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 H x W x D			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	Inch	1/4 & 3/8			1/4 & 1/2	
External static pressure			Pa	0 to 30			0 to 50	
Drain pump				Standard				
List Price			£	512	519	619	668	797

Slim duct



Model No.	Indoor unit			ARYG07LLTA	ARYG09LLTA	ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
kW Class		kW		2.0	2.5	3.5	4.0	5.0
Power Source				Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26	32/31/30/29
	Heating			28/26/25/24	28/26/25/24	29/28/27/24	33/30/28/25	33/32/31/29
Sound Power Level	Cooling	H	dB(A)	57	57	58	60	58
	Heating			57	57	58	61	59
Airflow Rate	Cooling	H/M/L/Q	m³/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 H x W x D			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	Inch	1/4 & 3/8	1/4 & 3/8	1/4 & 3/8	1/4 & 1/2	1/4 & 1/2
External static pressure				0 to 90				
Drain pump				Standard				
List Price			£	509	515	565	645	774

PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Combination Table for 2 & 3 Rooms–Cooling/Heating

2 Rooms Multi cooling

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

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

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

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

3 Rooms Multi cooling

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

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

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

2 Rooms Multi heating

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

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

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

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

3 Rooms Multi heating

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

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

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

PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Combination Table for 4 Rooms–Cooling/Heating

4 Rooms Multi cooling

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

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

4 Rooms Multi heating

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

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models

•The above is the value for connecting with Wall Mounted type.

•3 or more indoor units should be connected.

•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).

•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)

•The Total ability of connected indoor unit is up to 49000Btu from 27000Btu.

*1: Connection of ASYG18L + ARYG09L + ARYG09L is not available. All types other than this combination can be connected.

PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Combination Table for 5 Rooms–Cooling

5 Rooms Multi cooling

AOYG36LBLA5		Combination of Indoor Unit				COOLING OPERATION											
						Cooling Capacity					Total Capacity (min-max)	Input Power (min-max)	EER	Seasonal Data			
						Room 1	Room 2	Room 3	Room 4	Room 5				Pdesign	SEER	Energy	
						kW	kW	kW	kW	kW				kW	kW	efficiency class	
2 Room	7	24	-	-	-	2.00	7.00	-	-	-	9.0 (3.5-11.1)	2.31 (0.8-3.29)	3.89	9.0	6.5	A++	
	9	24	-	-	-	2.50	7.00	-	-	-	9.5 (3.5-11.8)	2.53 (0.8-3.59)	3.75	9.5	6.5	A++	
	12	24	-	-	-	3.33	6.67	-	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.5	A++	
	14	24	-	-	-	3.68	6.32	-	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.5	A++	
	18	18	-	-	-	5.00	5.00	-	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.5	A++	
	18	24	-	-	-	4.29	5.71	-	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.4	A++	
	24	24	-	-	-	5.00	5.00	-	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.4	A++	
	7	7	14	-	-	2.00	2.00	4.00	-	-	8.0 (3.5-10.0)	1.90 (0.8-2.85)	4.21	8.0	6.7	A++	
	7	7	18	-	-	2.00	2.00	5.00	-	-	9.0 (3.5-11.4)	2.32 (0.8-3.44)	3.88	9.0	6.7	A++	
	7	7	24	-	-	1.84	1.84	6.32	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++	
3 Room	7	9	12	-	-	2.00	2.50	3.50	-	-	8.0 (3.5-10.0)	1.90 (0.8-2.85)	4.21	8.0	6.7	A++	
	7	9	14	-	-	2.00	2.50	4.00	-	-	8.5 (3.5-10.7)	2.10 (0.8-3.15)	4.05	8.5	6.7	A++	
	7	9	18	-	-	2.00	2.50	5.00	-	-	9.5 (3.5-12.1)	2.55 (0.8-3.74)	3.72	9.5	6.6	A++	
	7	9	24	-	-	1.75	2.25	6.00	-	-	10.0 (3.5-12.5)	2.80 (0.8-3.88)	3.57	10.0	6.6	A++	
	7	12	12	-	-	2.00	3.50	3.50	-	-	9.0 (3.5-11.1)	2.27 (0.8-3.29)	3.97	9.0	6.7	A++	
	7	12	14	-	-	2.00	3.50	4.00	-	-	9.5 (3.5-11.8)	2.50 (0.8-3.59)	3.80	9.5	6.7	A++	
	7	12	18	-	-	1.89	3.24	4.87	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++	
	7	12	24	-	-	1.63	2.79	5.58	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.59	10.0	6.6	A++	
	7	14	14	-	-	2.00	4.00	4.00	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++	
	7	14	18	-	-	1.79	3.59	4.62	-	-	10.0 (3.5-12.5)	2.80 (0.8-3.88)	3.57	10.0	6.6	A++	
	7	14	24	-	-	1.56	3.11	5.33	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++	
	7	18	18	-	-	1.62	4.19	4.19	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.59	10.0	6.6	A++	
	7	18	24	-	-	1.43	3.67	4.90	-	-	10.0 (3.5-12.5)	2.77 (0.8-3.88)	3.61	10.0	6.5	A++	
	9	9	9	-	-	2.50	2.50	2.50	-	-	7.5 (3.5-9.6)	1.74 (0.8-2.70)	4.30	7.5	6.7	A++	
	9	9	12	-	-	2.50	2.50	3.50	-	-	8.5 (3.5-10.7)	2.10 (0.8-3.15)	4.05	8.5	6.7	A++	
	9	9	14	-	-	2.50	2.50	4.00	-	-	9.0 (3.5-11.4)	2.32 (0.8-3.44)	3.88	9.0	6.7	A++	
	9	9	18	-	-	2.50	2.50	5.00	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++	
	9	9	24	-	-	2.14	2.14	5.72	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.6	A++	
	9	12	12	-	-	2.50	3.50	3.50	-	-	9.5 (3.5-11.8)	2.50 (0.8-3.59)	3.80	9.5	6.7	A++	
	9	12	14	-	-	2.50	3.50	4.00	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++	
	9	12	18	-	-	2.31	3.08	4.61	-	-	10.0 (3.5-12.5)	2.80 (0.8-3.88)	3.57	10.0	6.6	A++	
	9	12	24	-	-	2.00	2.67	5.33	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++	
	9	14	14	-	-	2.44	3.78	3.78	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++	
	9	14	18	-	-	2.20	3.41	4.39	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.6	A++	
	9	14	24	-	-	1.91	2.98	5.11	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++	
	9	18	18	-	-	2.00	4.00	4.00	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++	
	9	18	24	-	-	1.76	3.53	4.71	-	-	10.0 (3.5-12.5)	2.76 (0.8-3.88)	3.62	10.0	6.5	A++	
	12	12	12	-	-	3.33	3.33	3.33	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++	
	12	12	14	-	-	3.16	3.16	3.68	-	-	10.0 (3.5-12.5)	2.81 (0.8-3.88)	3.56	10.0	6.6	A++	
	12	12	18	-	-	2.86	2.86	4.28	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.6	A++	
	12	12	24	-	-	2.50	2.50	5.00	-	-	10.0 (3.5-12.5)	2.77 (0.8-3.88)	3.61	10.0	6.5	A++	
	12	14	14	-	-	3.00	3.50	3.50	-	-	10.0 (3.5-12.5)	2.80 (0.8-3.88)	3.57	10.0	6.6	A++	
	12	14	18	-	-	2.73	3.18	4.09	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.59	10.0	6.6	A++	
	12	14	24	-	-	2.40	2.80	4.80	-	-	10.0 (3.5-12.5)	2.76 (0.8-3.88)	3.62	10.0	6.5	A++	
	12	18	18	-	-	2.50	3.75	3.75	-	-	10.0 (3.5-12.5)	2.77 (0.8-3.88)	3.61	10.0	6.6	A++	
	12	18	24	-	-	2.22	3.33	4.45	-	-	10.0 (3.5-12.5)	2.75 (0.8-3.88)	3.64	10.0	6.5	A++	
	14	14	14	-	-	3.33	3.33	3.33	-	-	10.0 (3.5-12.5)	2.79 (0.8-3.88)	3.58	10.0	6.6	A++	
	14	14	18	-	-	3.04	3.04	3.92	-	-	10.0 (3.5-12.5)	2.78 (0.8-3.88)	3.60	10.0	6.5	A++	
	14	14	24	-	-	2.69	2.69	4.62	-	-	10.0 (3.5-12.5)	2.75 (0.8-3.88)	3.63	10.0	6.5	A++	
	14	18	18	-	-	2.80	3.60	3.60	-	-	10.0 (3.5-12.5)	2.76 (0.8-3.88)	3.62	10.0	6.5	A++	
	18	18	18	-	-	3.33	3.33	3.33	-	-	10.0 (3.5-12.5)	2.75 (0.8-3.88)	3.64	10.0	6.5	A++	
	4 Room	7	7	7	7	-	2.00	2.00	2.00	2.00	-	8.0 (3.5-10.0)	1.84 (0.8-2.85)	4.34	8.0	6.8	A++
		7	7	7	9	-	2.00	2.00	2.00	2.50	-	8.5 (3.5-10.7)	2.00 (0.8-3.15)	4.25	8.5	6.8	A++
		7	7	7	12	-	2.00	2.00	2.00	3.50	-	9.5 (3.5-11.8)	2.32 (0.8-3.59)	4.10	9.5	6.8	A++
7		7	7	14	-	2.00	2.00	2.00	4.00	-	10.0 (3.5-12.5)	2.50 (0.8-3.88)	4.00	10.0	6.8	A++	
7		7	7	18	-	1.79	1.79	1.79	4.63	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.01	10.0	6.8	A++	
7		7	7	24	-	1.56	1.56	1.56	5.32	-	10.0 (3.5-12.5)	2.47 (0.8-3.88)	4.05	10.0	6.7	A++	
7		7	9	9	-	2.00	2.00	2.50	2.50	-	9.0 (3.5-11.4)	2.17 (0.8-3.44)	4.15	9.0	6.8	A++	
7		7	9	12	-	2.00	2.00	2.50	3.50	-	10.0 (3.5-12.5)	2.50 (0.8-3.88)	4.00	10.0	6.8	A++	
7		7	9	14	-	1.89	1.89	2.43	3.79	-	10.0 (3.5-12.5)	2.50 (0.8-3.88)	4.00	10.0	6.8	A++	
7		7	9	18	-	1.71	1.71	2.20	4.38	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.02	10.0	6.8	A++	
7		7	9	24	-	1.49	1.49	1.91	5.11	-	10.0 (3.5-12.5)	2.46 (0.8-3.88)	4.06	10.0	6.7	A++	
7		7	12	12	-	1.84	1.84	3.16	3.16	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.01	10.0	6.8	A++	
7		7	12	14	-	1.75	1.75	3.00	3.50	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.02	10.0	6.8	A++	
7		7	12	18	-	1.59	1.59	2.73	4.09	-	10.0 (3.5-12.5)	2.48 (0.8-3.88)	4.04	10.0	6.8	A++	
7		7	12	24	-	1.40	1.40	2.40	4.80	-	10.0 (3.5-12.5)	2.46 (0.8-3.88)	4.07	10.0	6.7	A++	
7		7	14	14	-	1.67	1.67	3.33	3.33	-	10.0 (3.5-12.5)	2.48 (0.8-3.88)	4.03	10.0	6.8	A++	
7		7	14	18	-	1.52	1.52	3.04	3.92	-	10.0 (3.5-12.5)	2.47 (0.8-3.88)	4.05	10.0	6.7	A++	
7		7	14	24	-	1.35	1.35	2.69	4.61	-	10.0 (3.5-12.5)	2.45 (0.8-3.88)	4.08	10.0	6.7	A++	
7		7	18	18	-	1.40	1.40	3.60	3.60	-	10.0 (3.5-12.5)	2.46 (0.8-3.88)	4.07	10.0	6.7	A++	
7		9	9	9	-	2.00	2.50	2.50	2.50	-	9.5 (3.5-12.1)	2.35 (0.8-3.74)	4.05	9.5	6.8	A++	
7		9	9	12	-	1.89	2.43	2.43	3.25	-	10.0 (3.5-12.5)	2.50 (0.8-3.88)	4.00	10.0	6.8	A++	
7		9	9	14	-	1.79	2.31	2.31	3.59	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.01	10.0	6.8	A++	
7		9	9	18	-	1.63	2.09	2.09	4.19	-	10.0 (3.5-12.5)	2.48 (0.8-3.88)	4.03	10.0	6.8	A++	
7		9	9	24	-	1.43	1.84	1.84	4.89	-	10.0 (3.5-12.5)	2.46 (0.8-3.88)	4.07	10.0	6.7	A++	
7		9	12	12	-	1.75	2.25	3.00	3.00	-	10.0 (3.5-12.5)	2.49 (0.8-3.88)	4.02	10.0	6.8	A++	
7		9	12	14	-	1.67	2.14	2.86	3.33	-	10.0 (3.5-12.5)	2.48 (0.8-3.88)	4.03	10.0	6.8	A++	
7		9	12	18	-	1.52	1.96	2.61									

5 Rooms Multi cooling

AOYG36LBLA5						COOLING OPERATION												Seasonal Data		
						Cooling Capacity						Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class				
						Room 1	Room 2	Room 3	Room 4	Room 5	Total Capacity (min-max)									
						kW	kW	kW	kW	kW	kW	kW	kW	kW						
5 Room	7	7	7	7	7	2.00	2.00	2.00	2.00	2.00	10.0 (3.5-12.5)	2.44 (0.8-3.88)	4.10	10.0	7.0	A++				
	7	7	7	7	9	1.89	1.89	1.89	1.89	2.44	10.0 (3.5-12.5)	2.44 (0.8-3.88)	4.10	10.0	7.0	A++				
	7	7	7	7	12	1.75	1.75	1.75	1.75	3.00	10.0 (3.5-12.5)	2.43 (0.8-3.88)	4.11	10.0	7.0	A++				
	7	7	7	7	14	1.67	1.67	1.67	1.67	3.32	10.0 (3.5-12.5)	2.42 (0.8-3.88)	4.13	10.0	7.0	A++				
	7	7	7	7	18	1.52	1.52	1.52	1.52	3.92	10.0 (3.5-12.5)	2.41 (0.8-3.88)	4.15	10.0	6.9	A++				
	7	7	7	7	24	1.35	1.35	1.35	1.35	4.60	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.19	10.0	6.9	A++				
	7	7	7	9	9	1.79	1.79	1.79	2.31	2.31	10.0 (3.5-12.5)	2.43 (0.8-3.88)	4.11	10.0	7.0	A++				
	7	7	7	9	12	1.67	1.67	1.67	2.14	2.85	10.0 (3.5-12.5)	2.42 (0.8-3.88)	4.13	10.0	7.0	A++				
	7	7	7	9	14	1.59	1.59	1.59	2.05	3.18	10.0 (3.5-12.5)	2.42 (0.8-3.88)	4.14	10.0	7.0	A++				
	7	7	7	9	18	1.46	1.46	1.46	1.88	3.74	10.0 (3.5-12.5)	2.40 (0.8-3.88)	4.17	10.0	6.9	A++				
	7	7	7	9	24	1.30	1.30	1.30	1.67	4.43	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.21	10.0	6.9	A++				
	7	7	7	12	12	1.56	1.56	1.56	2.66	2.66	10.0 (3.5-12.5)	2.41 (0.8-3.88)	4.15	10.0	7.0	A++				
	7	7	7	12	14	1.49	1.49	1.49	2.55	2.98	10.0 (3.5-12.5)	2.40 (0.8-3.88)	4.16	10.0	6.9	A++				
	7	7	7	12	18	1.37	1.37	1.37	2.35	3.54	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.19	10.0	6.9	A++				
	7	7	7	14	14	1.43	1.43	1.43	2.86	2.86	10.0 (3.5-12.5)	2.40 (0.8-3.88)	4.17	10.0	6.9	A++				
	7	7	7	14	18	1.32	1.32	1.32	2.64	3.40	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.20	10.0	6.9	A++				
	7	7	9	9	9	1.70	1.70	2.20	2.20	2.20	10.0 (3.5-12.5)	2.43 (0.8-3.88)	4.12	10.0	7.0	A++				
	7	7	9	9	12	1.59	1.59	2.05	2.05	2.72	10.0 (3.5-12.5)	2.42 (0.8-3.88)	4.14	10.0	7.0	A++				
	7	7	9	9	14	1.52	1.52	1.96	1.96	3.04	10.0 (3.5-12.5)	2.41 (0.8-3.88)	4.15	10.0	6.9	A++				
	7	7	9	9	18	1.40	1.40	1.80	1.80	3.60	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.18	10.0	6.9	A++				
	7	7	9	12	12	1.49	1.49	1.92	2.55	2.55	10.0 (3.5-12.5)	2.40 (0.8-3.88)	4.16	10.0	6.9	A++				
	7	7	9	12	14	1.43	1.43	1.84	2.45	2.85	10.0 (3.5-12.5)	2.40 (0.8-3.88)	4.17	10.0	6.9	A++				
	7	7	9	12	18	1.32	1.32	1.70	2.26	3.40	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.20	10.0	6.9	A++				
	7	7	9	14	14	1.37	1.37	1.76	2.75	2.75	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.19	10.0	6.9	A++				
	7	7	12	12	12	1.40	1.40	2.40	2.40	2.40	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.18	10.0	6.9	A++				
	7	7	12	12	14	1.35	1.35	2.31	2.31	2.68	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.19	10.0	6.9	A++				
	7	7	12	14	14	1.30	1.30	2.22	2.59	2.59	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.21	10.0	6.9	A++				
	7	9	9	9	9	1.64	2.09	2.09	2.09	2.09	10.0 (3.5-12.5)	2.42 (0.8-3.88)	4.13	10.0	7.0	A++				
	7	9	9	9	12	1.52	1.96	1.96	1.96	2.60	10.0 (3.5-12.5)	2.41 (0.8-3.88)	4.15	10.0	6.9	A++				
	7	9	9	9	14	1.46	1.88	1.88	1.88	2.90	10.0 (3.5-12.5)	2.40 (0.8-3.88)	4.17	10.0	6.9	A++				
	7	9	9	9	18	1.35	1.73	1.73	1.73	3.46	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.19	10.0	6.9	A++				
	7	9	9	12	12	1.42	1.84	1.84	2.45	2.45	10.0 (3.5-12.5)	2.40 (0.8-3.88)	4.17	10.0	6.9	A++				
	7	9	9	12	14	1.37	1.76	1.76	2.35	2.76	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.19	10.0	6.9	A++				
	7	9	9	14	14	1.32	1.70	1.70	2.64	2.64	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.20	10.0	6.9	A++				
	7	9	12	12	12	1.34	1.73	2.31	2.31	2.31	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.19	10.0	6.9	A++				
	7	9	12	12	14	1.30	1.67	2.22	2.22	2.59	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.21	10.0	6.9	A++				
	9	9	9	9	9	2.00	2.00	2.00	2.00	2.00	10.0 (3.5-12.5)	2.41 (0.8-3.88)	4.15	10.0	7.0	A++				
	9	9	9	9	12	1.88	1.88	1.88	1.88	2.48	10.0 (3.5-12.5)	2.40 (0.8-3.88)	4.17	10.0	6.9	A++				
	9	9	9	9	14	1.80	1.80	1.80	1.80	2.80	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.18	10.0	6.9	A++				
	9	9	9	9	18	1.67	1.67	1.67	1.67	3.32	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.21	10.0	6.9	A++				
	9	9	9	12	12	1.76	1.76	1.76	2.36	2.36	10.0 (3.5-12.5)	2.39 (0.8-3.88)	4.19	10.0	6.9	A++				
	9	9	9	12	14	1.70	1.70	1.70	2.26	2.64	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.20	10.0	6.9	A++				
	9	9	12	12	12	1.67	1.67	2.22	2.22	2.22	10.0 (3.5-12.5)	2.38 (0.8-3.88)	4.21	10.0	6.9	A++				

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models

•The above is the value for connecting with Wall Mounted type.

•2 or more indoor units should be connected.

•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).

•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)

•The Total ability of connected indoor unit is up to 54000Btu from 27000Btu.

PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Combination Table for 5 Rooms–Heating

5 Rooms Multi heating

AOYG36LBLA5		Combination of Indoor Unit					HEATING OPERATION										Seasonal Data			
							Heating Capacity					Input Power (min-max)		COP						
							Room 1	Room 2	Room 3	Room 4	Room 5				Total Capacity (min-max)	kW	kW	Pdesign	SCOP	Energy efficiency class
2 Room	7	24	-	-	-	2.40	8.40	-	-	-	10.8 (3.5-12.4)	2.97 (0.7-3.34)	3.64	8.9	3.9	A				
	9	24	-	-	-	3.00	8.40	-	-	-	11.4 (3.5-13.2)	3.15 (0.7-3.58)	3.62	9.0	3.9	A				
	12	24	-	-	-	4.00	8.00	-	-	-	12.0 (3.5-14.0)	3.34 (0.7-3.82)	3.59	9.0	4.0	A+				
	14	24	-	-	-	4.42	7.58	-	-	-	12.0 (3.5-14.0)	3.33 (0.7-3.82)	3.60	9.0	4.0	A+				
	18	18	-	-	-	6.00	6.00	-	-	-	12.0 (3.5-14.0)	3.34 (0.7-3.82)	3.59	9.0	4.0	A+				
	18	24	-	-	-	5.14	6.86	-	-	-	12.0 (3.5-14.0)	3.32 (0.7-3.82)	3.61	9.0	4.0	A+				
	24	24	-	-	-	6.00	6.00	-	-	-	12.0 (3.5-14.0)	3.31 (0.7-3.82)	3.62	9.0	4.0	A+				
	7	7	14	-	-	2.40	2.40	4.80	-	-	9.6 (3.5-11.2)	2.45 (0.7-2.98)	3.92	8.8	4.0	A+				
	7	7	18	-	-	2.40	2.40	6.00	-	-	10.8 (3.5-12.8)	2.80 (0.7-3.46)	3.86	9.0	4.0	A+				
	7	7	24	-	-	2.21	2.21	7.58	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+				
3 Room	7	9	12	-	-	2.40	3.00	4.20	-	-	9.6 (3.5-11.2)	2.45 (0.7-2.98)	3.92	8.8	4.0	A+				
	7	9	14	-	-	2.40	3.00	4.80	-	-	10.2 (3.5-12.0)	2.63 (0.7-3.22)	3.88	8.9	4.0	A+				
	7	9	18	-	-	2.40	3.00	6.00	-	-	11.4 (3.5-13.6)	2.97 (0.7-3.70)	3.84	9.0	4.0	A+				
	7	9	24	-	-	2.10	2.70	7.20	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	7	12	12	-	-	2.40	4.20	4.20	-	-	10.8 (3.5-12.4)	2.79 (0.7-3.34)	3.87	8.9	4.0	A+				
	7	12	14	-	-	2.40	4.20	4.80	-	-	11.4 (3.5-13.2)	2.96 (0.7-3.58)	3.85	9.0	4.0	A+				
	7	12	18	-	-	2.27	3.89	5.84	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+				
	7	12	24	-	-	1.95	3.35	6.70	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	7	14	14	-	-	2.40	4.80	4.80	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+				
	7	14	18	-	-	2.15	4.31	5.54	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	7	14	24	-	-	1.87	3.73	6.40	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	7	18	18	-	-	1.96	5.02	5.02	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	7	18	24	-	-	1.71	4.41	5.88	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	9	9	9	-	-	3.00	3.00	3.00	-	-	9.0 (3.5-10.8)	2.29 (0.7-2.86)	3.93	8.8	4.0	A+				
	9	9	12	-	-	3.00	3.00	4.20	-	-	10.2 (3.5-12.0)	2.63 (0.7-3.22)	3.88	8.9	4.0	A+				
	9	9	14	-	-	3.00	3.00	4.80	-	-	10.8 (3.5-12.8)	2.80 (0.7-3.46)	3.86	9.0	4.0	A+				
	9	9	18	-	-	3.00	3.00	6.00	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+				
	9	9	24	-	-	2.57	2.57	6.86	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	9	12	12	-	-	3.00	4.20	4.20	-	-	11.4 (3.5-13.2)	2.96 (0.7-3.58)	3.85	9.0	4.0	A+				
	9	12	14	-	-	3.00	4.20	4.80	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+				
	9	12	18	-	-	2.77	3.69	5.54	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	9	12	24	-	-	2.40	3.20	6.40	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	9	14	14	-	-	2.92	4.54	4.54	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+				
	9	14	18	-	-	2.63	4.10	5.27	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	9	14	24	-	-	2.30	3.57	6.13	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	9	18	18	-	-	2.40	4.80	4.80	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	9	18	24	-	-	2.12	4.24	5.64	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+				
	12	12	12	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+				
	12	12	14	-	-	3.79	3.79	4.42	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+				
	12	12	18	-	-	3.43	3.43	5.14	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	12	12	24	-	-	3.00	3.00	6.00	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	12	14	14	-	-	3.60	4.20	4.20	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	12	14	18	-	-	3.27	3.82	4.91	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	12	14	24	-	-	2.88	3.36	5.76	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	12	18	18	-	-	3.00	4.50	4.50	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	12	18	24	-	-	2.67	4.00	5.33	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+				
	14	14	14	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+				
	14	14	18	-	-	3.65	3.65	4.70	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	14	14	24	-	-	3.23	3.23	5.54	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+				
	14	18	18	-	-	3.36	4.32	4.32	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+				
	18	18	18	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+				
	4 Room	7	7	7	7	-	2.40	2.40	2.40	2.40	-	9.6 (3.5-11.2)	2.31 (0.7-2.98)	4.16	8.8	4.2	A+			
		7	7	7	9	-	2.40	2.40	2.40	3.00	-	10.2 (3.5-12.0)	2.47 (0.7-3.22)	4.13	8.9	4.2	A+			
7		7	7	12	-	2.40	2.40	2.40	4.20	-	11.4 (3.5-13.2)	2.79 (0.7-3.58)	4.09	9.0	4.2	A+				
7		7	7	14	-	2.40	2.40	2.40	4.80	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+				
7		7	7	18	-	2.15	2.15	2.15	5.55	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+				
7		7	7	24	-	1.87	1.87	1.87	6.39	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+				
7		7	9	9	-	2.40	2.40	3.00	3.00	-	10.8 (3.5-12.8)	2.64 (0.7-3.46)	4.09	9.0	4.2	A+				
7		7	9	12	-	2.40	2.40	3.00	4.20	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+				
7		7	9	14	-	2.27	2.27	2.92	4.54	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+				
7		7	9	18	-	2.05	2.05	2.63	5.27	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+				
7		7	9	24	-	1.79	1.79	2.30	6.12	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+				
7		7	12	12	-	2.21	2.21	3.79	3.79	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+				
7		7	12	14	-	2.10	2.10	3.60	4.20	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+				
7		7	12	18	-	1.91	1.91	3.27	4.91	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+				
7		7	12	24	-	1.68	1.68	2.88	5.76	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+				
7		7	14	14	-	2.00	2.00	4.00	4.00	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+				
7		7	14	18	-	1.83	1.83	3.65	4.69	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+				
7		7	14	24	-	1.62	1.62	3.23	5.53	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+				
7		7	18	18	-	1.68	1.68	4.32	4.32	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+				
7		9	9	9	-	2.40	3.00	3.00	3.00	-	11.4 (3.5-13.6)	2.80 (0.7-3.70)	4.07	9.0	4.2	A+				
7		9	9	12	-	2.27	2.92	2.92	3.89	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+				
7		9	9	14	-	2.15	2.77	2.77	4.31	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+				
7		9	9	18	-	1.95	2.51	2.51	5.03	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+				
7		9	9	24	-	1.71	2.20	2.20	5.89	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+				
7		9	12	12	-	2.10	2.70	3.60	3.60	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+				
7		9	12	14	-	2.00	2.57	3.43	4.00	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+				
7		9	12	18	-	1.83	2.35	3.13	4.69	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+				
7		9	12	24	-	1.62	2.08	2.77	5.53	-	12.0 (3.5									

5 Rooms Multi heating

AOYG36LBLA5	Combination of Indoor Unit					HEATING OPERATION										Seasonal Data		
						Heating Capacity					Input Power (min-max)	COP	Pdesign					
						Room 1	Room 2	Room 3	Room 4	Room 5				Total Capacity (min-max)				
						kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	SCOP
5 Room	7	7	7	7	7	2.40	2.40	2.40	2.40	2.40	12.0 (3.5-14.0)	2.79 (0.7-3.82)	4.30	9.0	4.4	A+		
	7	7	7	7	9	2.27	2.27	2.27	2.27	2.92	12.0 (3.5-14.0)	2.79 (0.7-3.82)	4.30	9.0	4.4	A+		
	7	7	7	7	12	2.10	2.10	2.10	2.10	3.60	12.0 (3.5-14.0)	2.78 (0.7-3.82)	4.31	9.0	4.4	A+		
	7	7	7	7	14	2.00	2.00	2.00	2.00	4.00	12.0 (3.5-14.0)	2.78 (0.7-3.82)	4.32	9.0	4.4	A+		
	7	7	7	7	18	1.83	1.83	1.83	1.83	4.68	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	7	7	7	7	24	1.62	1.62	1.62	1.62	5.52	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	7	7	9	9	2.15	2.15	2.15	2.77	2.77	12.0 (3.5-14.0)	2.78 (0.7-3.82)	4.31	9.0	4.4	A+		
	7	7	7	9	12	2.00	2.00	2.00	2.57	3.43	12.0 (3.5-14.0)	2.78 (0.7-3.82)	4.32	9.0	4.4	A+		
	7	7	7	9	14	1.91	1.91	1.91	2.45	3.82	12.0 (3.5-14.0)	2.78 (0.7-3.82)	4.32	9.0	4.4	A+		
	7	7	7	9	18	1.75	1.75	1.75	2.25	4.50	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	7	7	7	9	24	1.56	1.56	1.56	2.00	5.32	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		
	7	7	7	12	12	1.87	1.87	1.87	3.20	3.20	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	7	7	7	12	14	1.79	1.79	1.79	3.06	3.57	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	7	7	7	12	18	1.65	1.65	1.65	2.82	4.23	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	7	7	14	14	1.71	1.71	1.71	3.43	3.43	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	7	7	14	18	1.58	1.58	1.58	3.17	4.09	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		
	7	7	9	9	9	2.05	2.05	2.63	2.63	2.63	12.0 (3.5-14.0)	2.78 (0.7-3.82)	4.31	9.0	4.4	A+		
	7	7	9	9	12	1.91	1.91	2.45	2.45	3.28	12.0 (3.5-14.0)	2.78 (0.7-3.82)	4.32	9.0	4.4	A+		
	7	7	9	9	14	1.83	1.83	2.35	2.35	3.64	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	7	7	9	9	18	1.68	1.68	2.16	2.16	4.32	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	7	9	12	12	1.79	1.79	2.30	3.06	3.06	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	7	7	9	12	14	1.71	1.71	2.20	2.94	3.44	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	7	9	12	18	1.58	1.58	2.04	2.72	4.08	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		
	7	7	9	14	14	1.65	1.65	2.12	3.29	3.29	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	7	12	12	12	1.68	1.68	2.88	2.88	2.88	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	7	12	12	14	1.62	1.62	2.77	2.77	3.22	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	7	12	14	14	1.56	1.56	2.66	3.11	3.11	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		
	7	9	9	9	9	1.96	2.51	2.51	2.51	2.51	12.0 (3.5-14.0)	2.78 (0.7-3.82)	4.32	9.0	4.4	A+		
	7	9	9	9	12	1.83	2.35	2.35	2.35	3.12	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	7	9	9	9	14	1.75	2.25	2.25	2.25	3.50	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	7	9	9	9	18	1.62	2.08	2.08	2.08	4.14	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	9	9	12	12	1.72	2.20	2.20	2.94	2.94	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	9	9	12	14	1.65	2.12	2.12	2.82	3.29	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	9	9	14	14	1.58	2.04	2.04	3.17	3.17	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		
	7	9	12	12	12	1.61	2.08	2.77	2.77	2.77	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	7	9	12	12	14	1.56	2.00	2.67	2.67	3.10	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		
	9	9	9	9	9	2.40	2.40	2.40	2.40	2.40	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	9	9	9	9	12	2.25	2.25	2.25	2.25	3.00	12.0 (3.5-14.0)	2.77 (0.7-3.82)	4.33	9.0	4.4	A+		
	9	9	9	9	14	2.16	2.16	2.16	2.16	3.36	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	9	9	9	9	18	2.00	2.00	2.00	2.00	4.00	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		
	9	9	9	12	12	2.12	2.12	2.12	2.82	2.82	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.34	9.0	4.4	A+		
	9	9	9	12	14	2.04	2.04	2.04	2.72	3.16	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		
	9	9	12	12	12	2.00	2.00	2.67	2.67	2.67	12.0 (3.5-14.0)	2.76 (0.7-3.82)	4.35	9.0	4.4	A+		

Note:

- 7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models
- The above is the value for connecting with Wall Mounted type.
- 2 or more indoor units should be connected.
- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
- Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
- The Total ability of connected indoor unit is up to 54000Btu from 27000Btu.

PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Combination Table for 6 Rooms–Cooling

6 Rooms Multi cooling

AOYG45LBLA6				Combination of Indoor Unit		COOLING OPERATION							Input Power (min-max)		EER
						Cooling Capacity									
						Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Total Capacity (min-max)	kW		
2 Room	12	24	-	-	-	3.50	7.00	-	-	-	-	10.5 (3.5-11.5)	3.06 (0.8-3.32)	3.43	
	14	24	-	-	-	4.00	7.00	-	-	-	-	11.0 (3.5-12.1)	3.28 (0.8-3.70)	3.35	
	18	18	-	-	-	5.00	5.00	-	-	-	-	10.0 (3.5-11.5)	2.92 (0.8-3.32)	3.42	
	18	24	-	-	-	5.00	7.00	-	-	-	-	12.0 (3.5-13.4)	3.75 (0.8-4.46)	3.20	
	24	24	-	-	-	6.25	6.25	-	-	-	-	12.5 (3.5-14.0)	4.01 (0.8-4.84)	3.12	
	7	7	24	-	-	2.00	2.00	7.00	-	-	-	11.0 (3.5-12.1)	3.19 (0.8-3.70)	3.45	
	7	9	18	-	-	2.00	2.50	5.00	-	-	-	9.5 (3.5-10.8)	2.55 (0.8-2.93)	3.73	
	7	9	24	-	-	2.00	2.50	7.00	-	-	-	11.5 (3.5-12.7)	3.41 (0.8-4.08)	3.37	
	7	12	18	-	-	2.00	3.50	5.00	-	-	-	10.5 (3.5-11.8)	3.02 (0.8-3.51)	3.48	
	7	12	24	-	-	2.00	3.50	6.90	-	-	-	12.4 (3.5-13.7)	3.82 (0.8-4.65)	3.25	
3 Room	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	
	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.	

6 Rooms Multi cooling

AOYG45LBLA6	Combination of Indoor Unit						COOLING OPERATION							EER	
							Cooling Capacity						Input Power (min-max)		
							Room 1	Room 2	Room 3	Room 4	Room 5	Room 6			Total Capacity (min-max)
							kW	kW	kW	kW	kW	kW	kW		
4 Room	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
	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 (3.5-14.0)	3.56 (0.8-4.84)	3.51	
7	9	9	14	14	-	1.66	2.12	2.12	3.30	3.30	-	12.5 (3.5-14.0)	3.60 (0.8-4.84)	3.47	
7	9	9	14	18	-	1.54	1.97	1.97	3.07	3.95	-	12.5 (3.5-14.0)	3.58 (0.8-4.84)	3.49	
7	9	9	18	18	-	1.44	1.84	1.84	3.69	3.69	-	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51	
7	9	12	12	12	-	1.69	2.17	2.88	2.88	2.88	-	12.5 (3.5-14.0)	3.61 (0.8-4.84)	3.46	
7	9	12	12	14	-	1.62	2.08	2.78	2.78	3.24	-	12.5 (3.5-14.0)	3.60 (0.8-4.84)	3.47	
7	9	12	12	18	-	1.51	1.94	2.59	2.59	3.87	-	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50	
7	9	12	14	14	-	1.55	2.01	2.68	3.13	3.13	-	12.5 (3.5-14.0)	3.59 (0.8-4.84)	3.48	
7	9	12	14	18	-	1.46	1.88	2.50	2.92	3.74	-	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51	
7	9	14	14	14	-	1.50	1.94	3.02	3.02	3.02	-	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50	
7	9	14	14	18	-	1.41	1.81	2.82	2.82	3.64	-	12.5 (3.5-14.0)	3.55 (0.8-4.84)	3.52	
7	12	12	12	12	-	1.58	2.73	2.73	2.73	2.73	-	12.5 (3.5-14.0)	3.59 (0.8-4.84)	3.48	
7	12	12	12	14	-	1.54	2.63	2.63	2.63	3.07	-	12.5 (3.5-14.0)	3.58 (0.8-4.84)	3.49	
7	12	12	12	18	-	1.43	2.46	2.46	2.46	3.69	-	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51	
7	12	12	14	14	-	1.48	2.54	2.54	2.97	2.97	-	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50	
7	12	14	14	14	-	1.43	2.46	2.87	2.87	2.87	-	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51	
9	9	9	9	9	-	2.50	2.50	2.50	2.50	2.50	-	12.5 (3.5-14.0)	3.65 (0.8-4.84)	3.42	
9	9	9	9	12	-	2.34	2.34	2.34	2.34	3.14	-	12.5 (3.5-14.0)	3.64 (0.8-4.84)	3.43	
9	9	9	9	14	-	2.25	2.25	2.25	2.25	3.50	-	12.5 (3.5-14.0)	3.62 (0.8-4.84)	3.45	
9	9	9	9	18	-	2.08	2.08	2.08	2.08	4.18	-	12.5 (3.5-14.0)	3.60 (0.8-4.84)	3.47	
9	9	9	9	24	-	1.88	1.88	1.88	1.88	4.98	-	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51	
9	9	9	12	12	-	2.21	2.21	2.21	2.94	2.94	-	12.5 (3.5-14.0)	3.62 (0.8-4.84)	3.45	
9	9	9	121												

PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Combination Table for 6 Rooms–Cooling/Heating

6 Rooms Multi cooling

AOYG45LBLA6	Combination of Indoor Unit						COOLING OPERATION							EER	
							Cooling Capacity						Input Power (min-max)		
							Room 1	Room 2	Room 3	Room 4	Room 5	Room 6			Total Capacity (min-max)
							kW	kW	kW	kW	kW	kW	kW	kW	
7	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	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)	3.35 (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)	3.58
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	2.25	2.25	2.25	2.25	2.25	12.5 (3.5-14.0)	3.43 (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	3.08	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

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 62000Btu from 34000Btu.

6 Rooms Multi heating

AOYG45LBA6	Combination of Indoor Unit						HEATING OPERATION							COP	
							Heating Capacity						Input Power (min-max)		
							Room 1	Room 2	Room 3	Room 4	Room 5	Room 6			Total Capacity (min-max)
2 Room	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
	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
3 Room	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
	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	-	-										

PRODUCT LINEUP: MULTI SPLIT

MULTI SPLIT Combination Table for 6 Rooms–Heating

6 Rooms Multi heating

AOYG45LBLA6	Combination of Indoor Unit						HEATING OPERATION							Input Power (min-max)	COP
							Heating Capacity								
							Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Total Capacity (min-max)		
4 Room							kW	kW	kW	kW	kW	kW	kW		
	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
5 Room	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
	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	3.94	-	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)	3.4>		

6 Rooms Multi heating

AOYG45LBLA6	Combination of Indoor Unit						HEATING OPERATION							COP	
							Heating Capacity						Input Power (min-max)		
							Room 1	Room 2	Room 3	Room 4	Room 5	Room 6			Total Capacity (min-max)
							kW	kW	kW	kW	kW	kW	kW		
6 Room	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	7	2.15	2.15	2.15	2.15	2.15	2.15	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	9	1.89	1.89	2.43	2.43	2.43	2.43	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	2.66	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	9	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	

Note:

- 7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models
- The above is the value for connecting with Wall Mounted type.
- 2 or more indoor units should be connected.
- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
- Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
- The Total ability of connected indoor unit is up to 54000Btu from 27000Btu.



PRODUCT LINEUP

COMMERCIAL SIMULTANEOUS MULTI SYSTEMS





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

An air conditioner that is people-friendly is also environment friendly. Fujitsu General offers a broad lineup of products for large living rooms to bedrooms and children's rooms.



SIMULTANEOUS MULTI SPLIT

- 094 Simultaneous Multi Twin/Triple
- 096 Simultaneous Multi Twin/Triple/Quad
- 098 Simultaneous Multi SPLIT Outdoor Units Lineup
- 099 Connectable Indoor Units - Indoor Units Lineup -

PRODUCT LINEUP: SIMULTANEOUS MULTI SPLIT

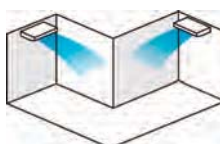
Simultaneous Multi Twin/Triple

ALL DC

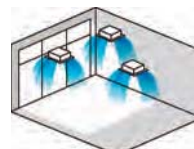
Can support various installation types from office to commercial spaces by multi connection of up to 3 units in the same location.

Indoor units distributed layout according to the shape and number of people and lighting conditions of the room. Ideal comfortable air flow distribution can be achieved.

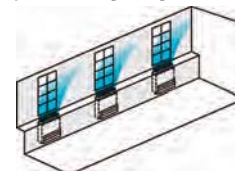
Installation according to floor layout



Installation according to lighting conditions

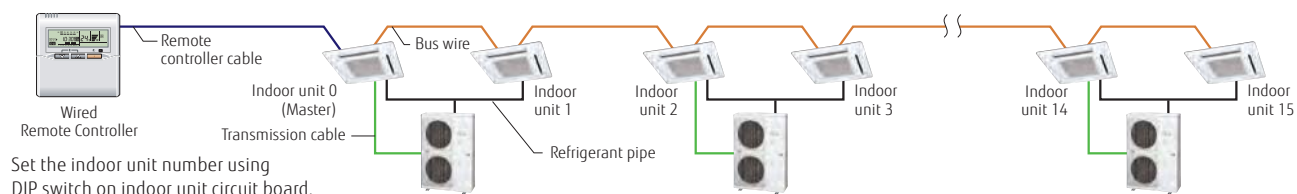


Installation according to layout and lighting conditions

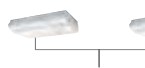
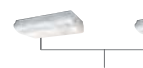


Simultaneous control

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



Simultaneous Operation Multi type Indoor Unit Line up

	Twin		Triple
	18x2	24x2	18x3
Cassette	AUYG18LV x2 	AUYG24LV x2 	AUYG18LV x3 
Duct	ARYG18LL x2 	ARYG24LM x2 	ARYG18LL x3 
Ceiling	ABYG18LV x2 	ABYG24LV x2 	ABYG18LV x3 
Outdoor unit	AOYG36LBTB / AOYG36LATT 	AOYG54LBTB / AOYG54LATT 	

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



Specifications

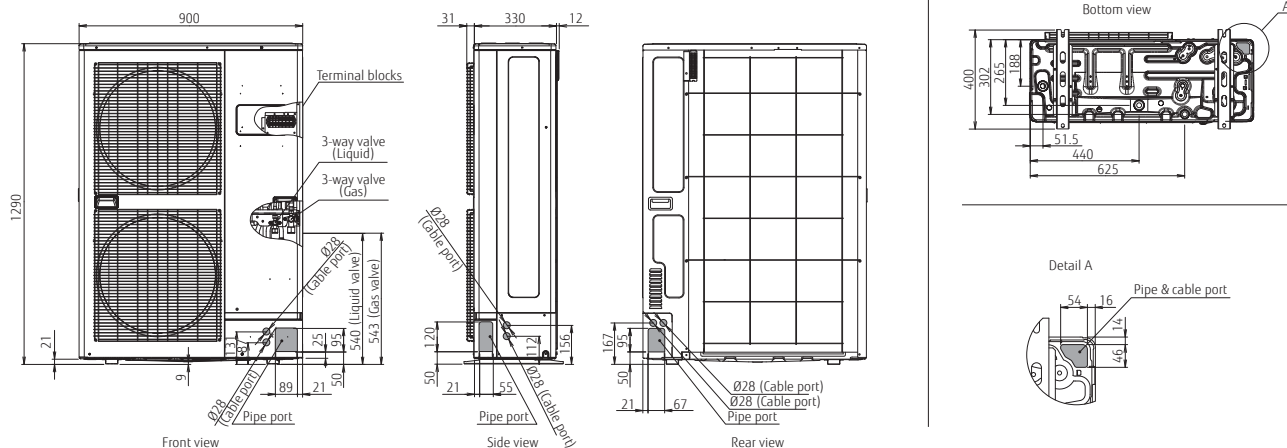
Model No.	Indoor unit			Compact Cassette	
				AUYG18LVLB	AUYG24LVLA
Power Source				Single-phase, ~230V, 50Hz	
Airflow Rate (High)	Cooling	H/M/L/Q	m ³ /h	680/580/490/410	930/830/600/450
Net Dimension H × W × D				245×570×570	245×570×570
Weight				15	16
Cassette Grille				UTG-UFYD-W	UTG-UFYD-W
List Price	£			831	984

Model No.	Indoor unit			Duct		Floor/Ceiling Universal	
				ARYG18LLTB	ARYG24LMLA	ABYG18LVTB	ABYG24LVTA
Power Source				Single-phase, ~230V, 50Hz		Single-phase, ~230V, 50Hz	
Airflow Rate (High)	Cooling	H/M/L/Q	m ³ /h	1100/910/750/580	1100/910/750/580	780/700/560/500	980/820/680/540
Net Dimension H × W × D				198 × 900 × 620	270 × 1135 × 700	199 × 990 × 655	199 × 990 × 655
Weight				38	38	27	27
Flange (Round) (To be ordered separately)				-	UTDRF204	-	-
Filter (To be ordered separately)				-	UTDLF25NA	-	-
List Price	£			774	1084	687	823

Model No.	Outdoor unit		AOYG36LBTB	AOYG54LBTB	AOYG36LATT	AOYG54LATT
	Cooling	kW	10.0	13.3	10.0	14.0
Capacity	Heating	kW	11.2	15.0	11.2	16.0
Power Source			Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz	
Pdesign	Cooling	kW	10.0	13.3	10.0	14.0
	Heating (-10°C)	kW	10.0	10.4	10.0	10.4
SEER	Cooling	W/W	5.56	5.57	6.00	5.91
SCOP	Heating	W/W	3.90	4.04	4.00	4.06
Annual Energy Consumption	Cooling	kWh/a	629	-	583	-
	Heating	kWh/a	3588	-	3499	-
Energy Efficiency Class	Cooling		A	-	A+	-
	Heating		A	-	A+	-
Sound Pressure Level (High)	Cooling	dB(A)	52	55	51	55
Sound Power Level (High)	Heating	dB(A)	69	72	69	71
Net Dimension H × W × D			1290×900×330	1290×900×330	1290×900×330	1290×900×330
Weight			93	93	104	104
Connection Pipe Diameter (Liquid / Gas)			3/8 & 5/8	3/8 & 5/8	3/8 & 5/8	3/8 & 5/8
Max Pipe Length (Pre-Charge)			75(30)	75(30)	75(30)	75(30)
Height Difference			30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	g	3,450	3,450	3,450	3,450
List Price	£		1439	1878	1502	1941
Separation tube			UTPSX236A(Twin)	UTPSX254A(Twin)/ UTPSX354A(Triple)	UTPSX236A(Twin)	UTPSX254A(Twin) / UTPSX354A(Triple)
List Price	£		72	72 / 97	72	72 / 97

Dimensions

(Unit : mm)



PRODUCT LINEUP: SIMULTANEOUS MULTI SPLIT

Simultaneous Multi

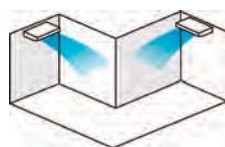
Twin/Triple/Quad

ALL
DC

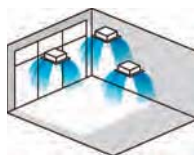
Can support various applications from large open plan offices to retail stores with up to 4 indoor units.

Indoor units distributed layout according to the shape and number of people and lighting conditions of the room. Ideal comfortable air flow distribution can be achieved.

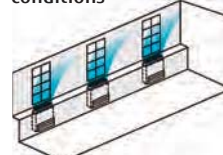
Installation according to floor layout



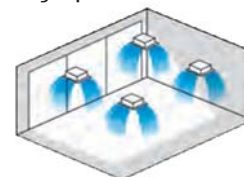
Installation according to lighting conditions



Installation according to layout and lighting conditions

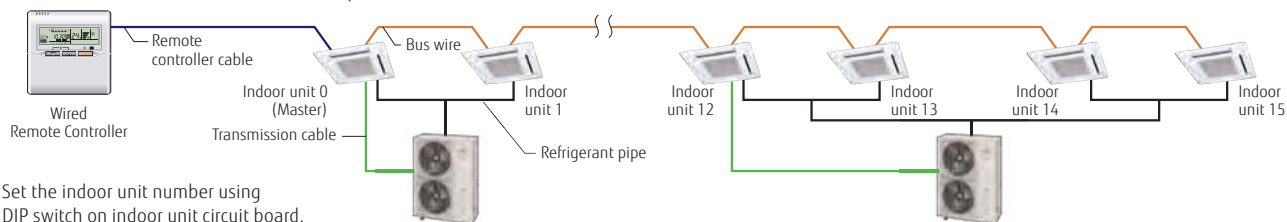


Installation according to large space



Simultaneous control

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



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

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

Simultaneous Operation Multi type Indoor Unit Line up

	Twin		Triple		Quad
	36x2	45x2	24x3	30x3	18x4
Cassette	 AUYG36LR x2	 AUYG45LR x2	 AUYG24LV x3	 AUYG30LR x3	 AUYG18LV x4
Duct	 ARYG36LM x2	 ARYG45LM x2	 ARYG24LM x3	 ARYG30LM x3	 ARYG18LL x4
Ceiling	 ABYG36LR x2	 ABYG45LR x2	 ABYG24LV x3	 ABYG30LR x3	 ABYG18LV x4
Outdoor unit	 AOYG72LRLA	 AOYG90LRLA	 AOYG72LRLA	 AOYG90LRLA	 AOYG72LRLA



Specifications

Model No.		Indoor unit		Compact Cassette, Cassette									
				AUYG18LVLB		AUYG24LVLA		AUYG30LRLE		AUYG36LRLE		AUYG45LRLA	
Power Source				Single-phase, ~230V, 50Hz									
Airflow Rate (Cooling)		H/M/L/Q	m³/h	680/580/490/410		930/830/600/450		1600/1400/1270/1150		1800/1400/1270/1150		1900/1640/1460/1250	
Net Dimension H × W × D			mm	245×570×570		245×570×570		288 × 840 × 840		288 × 840 × 840		288 × 840 × 840	
Weight			kg	15		16		26		26		26	
Cassette Grille (To be ordered seperately)				UTGUFYDW				UTGUGYAW					
List Price			£	831		984		1003		1109		1127	

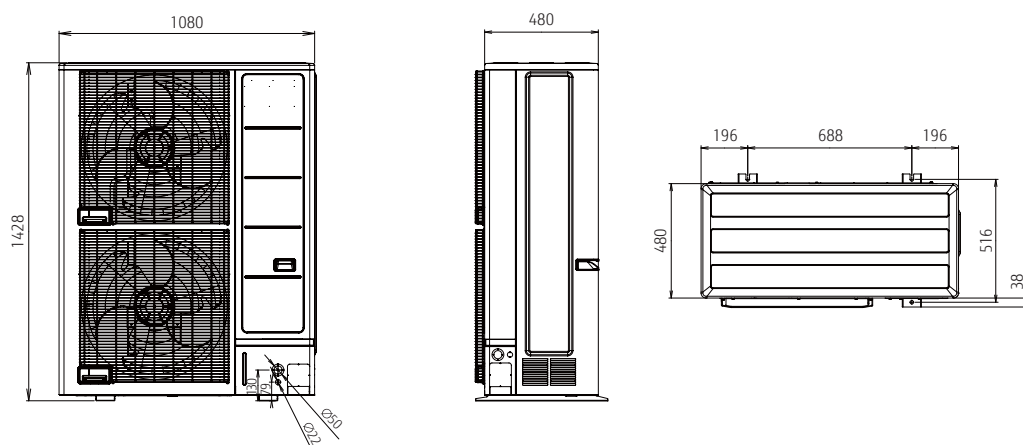
Model No.		Indoor unit		Duct									
				ARYG18LLTB		ARYG24LMLA		ARYG30LMLE		ARYG36LMLE		ARYG45LMLA	
Power Source				Single-phase, ~230V, 50Hz									
Airflow Rate (Cooling)		H/M/L/Q	m³/h	940/880/820/750		1100/910/750/580		1900/1620/1270/980		1900/1620/1270/980		2100/1750/1350/1070	
Net Dimension H × W × D			mm	198 × 900 × 620		270 × 1135 × 700		270 × 1135 × 700		270 × 1135 × 700		270 × 1135 × 700	
Weight			kg	23		38		40		40		40	
Flange (Round) (To be ordered seperately)				-		UTDRF204							
Filter (To be ordered seperately)				-		UTDLF25NA							
List Price			£	774		1087		1300		1258		1393	

Model No.		Indoor unit		Floor/Ceiling, Ceiling									
				ABYG18LVTB		ABYG24LVTA		ABYG30LRTE		ABYG36LRTE		ABYG45LRTA	
Power Source				Single-phase, ~230V, 50Hz									
Airflow Rate (Cooling)		H/M/L/Q	m³/h	780/700/560/500		980/820/680/540		1660/1500/1200/1000		1900/1500/1200/1000		2100/1700/1400/1100	
Net Dimension H × W × D			mm	199 × 990 × 655		199 × 990 × 655		240 × 1660 × 700		240 × 1660 × 700		240 × 1660 × 700	
Weight			kg	27		27		46		46		46	
List Price			£	687		823		1101		1373		1491	

Model No.		Outdoor unit		AOYG72LRLA			AOYG90LRLA		
Capacity		Cooling	kW	19.0			22.0		
		Heating		22.4			27.0		
Power Source				3-phase, ~400V, 50Hz					
SEER		Cooling	W/W	6.26			5.63		
SCOP		Heating		4.61			4.04		
Sound Pressure Level (High)		Cooling	dB(A)	55			55		
Net Dimension H × W × D			mm	1428×1080×480			1428×1080×480		
Weight			kg	163			172		
Connection Pipe Diameter (Liquid / Gas)			Inch	1/2 & 7/8			1/2 & 7/8		
Max Pipe Length (Pre-Charge)			m	100 (30)			100 (30)		
Height Difference				30			30		
Operation Range		Cooling	°CDB	−15 to 46			−15 to 46		
		Heating		−20 to 24			−20 to 24		
Refrigerant		Type	kg	R410A			R410A		
		Charge		5.6			7.1		
List Price			£	2980			3150		
Separation tube				Twin UTP-SX272A x1	Triple UTP-SX372A x1	Quad UTP-SX272A x1 UTP-SX236A x2	Twin UTP-SX272A x1	Triple UTP-SX372A x1	
List Price			£	142	191	142 / 144	142	191	

Dimensions

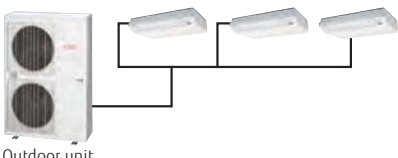
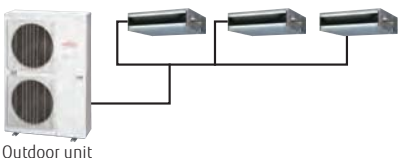
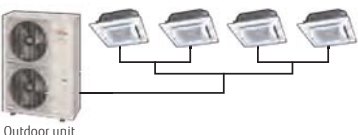
(Unit : mm)



SIMULTANEOUS MULTI SPLIT Outdoor Units Lineup



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

		Model code	36	54	72	90
		Cooling rated capacity(kW)	10	14	19	22
Twin/Triple Single phase (Triple for 54 only)	 Outdoor unit		● AOYG 36LBTB	● AOYG 54LBTB*2		
Twin/Triple 3 phase (Triple for 54 only)	 Outdoor unit		● AOYG 36LATT	● AOYG 54LATT		
Twin/Triple/ Quad 3 phase (Quad for 72 only)	 Outdoor unit				● AOYG 72LRLA	● AOYG 90LRLA

• All model refrigerant types are R410A.



Linwood now offer an extensive range of plenum boxes to suit the Fujitsu General Air Conditioning UK range of ducted air conditioning indoor units

Installing air conditioning ducted fan coil units (FCU's) just got easier with these purpose made plenum boxes designed to save you time and money when fitting VRF or split air conditioning systems

Easy to use online ordering & live order processing via

www.airconplenums.com/fujitsu-plenum



Connectable Indoor Units — Indoor Unit Lineup — System Prices

SIMULTANEOUS MULTI Outdoor Unit	Type		4HP		6HP		8HP		10HP	
	Model name		AOYG36LBTB	AOYG36LATT	AOYG54LBTB	AOYG54LATT	AOYG72LRLA		AOYG90LRLA	
			1 Ph	3 Ph	1 Ph	3Ph	3 Ph		3 Ph	
										
	Capacity (kW)	Cooling	10.0		13.3	14.0	19.0		22.0	
	Heating	11.2		15.0	16.0	22.4		27.0		

Indoor Unit	BTU	kW Class	Twin			Triple	Twin	Triple	Quad	Twin	Triple
 AUYG18/24LV	18000	5.0	● ×2 £3173	● ×2 £3236	● ×3 £4468	● ×3 £4531	–	–	● ×4 £6590	–	–
	24000	7.0	–	–	● ×2 £3918	● ×2 £3981	–	● ×3 £6123	–	–	–
 AUYG30/36/45LR	30000	8.8	–	–	–	–	–	–	–	–	● ×3 £6350
	36000	10.6	–	–	–	–	● ×2 £5340	–	–	–	–
	45000	12.5	–	–	–	–	–	–	–	● ×2 £5546	–
 ARYG18LL  ARYG24/30/36/45LM	18000	5.0	● ×2 £3059	● ×2 £3122	● ×3 £4297	● ×3 £4360	–	–	● ×4 £6362	–	–
	24000	7.0	–	–	● ×2 £4118	● ×2 £4181	–	● ×3 £6423	–	–	–
	30000	8.8	–	–	–	–	–	–	–	–	● ×3 £7241
	36000	10.6	–	–	–	–	● ×2 £5638	–	–	–	–
	45000	12.5	–	–	–	–	–	–	–	● ×2 £6078	–
 ABYG18/24LV	18000	5.0	● ×2 £2885	● ×2 £2948	● ×3 £4036	● ×3 £4099	–	–	● ×4 £6014	–	–
	24000	7.0	–	–	● ×2 £3596	● ×2 £3659	–	● ×3 £5640	–	–	–
 ABYG30/36/45LR	30000	8.8	–	–	–	–	–	–	–	–	● ×3 £6644
	36000	10.6	–	–	–	–	● ×2 £5868	–	–	–	–
	45000	12.5	–	–	–	–	–	–	–	● ×2 £6274	–
Separation tube			UTP-SX236A ×1	UTP-SX236A ×1	UTP-SX254 ×1	UTP-SX354A ×1	UTP-SX272A ×1	UTP-SX372A ×1	UTP-SX272A ×1, UTP-SX236A ×2	UTP-SX272A ×1	UTP-SX372A ×1



PRODUCT LINEUP

VRF

For LIGHT COMMERCIAL
& RESIDENTIAL,
COMMERCIAL

FUJITSU

AIRSTAGE
INVERTER

FUJITSU

AIRSTAGE
INVERTER

FUJITSU



AIRSTAGE™ VRF Systems can be designed to create an air conditioning solution to suit most building requirements.

AIRSTAGE™ VRF Systems can be designed to effectively provide an air conditioning solution from a large domestic residence through to a large scale commercial building.



- 102 AIRSTAGE™ Solutions
- 110 CORE TECHNOLOGY J-Series
- 114 VRF Outdoor Units Lineup
- 116 AIRSTAGE™ J-Series OVERVIEW
- 126 CORE TECHNOLOGY V-Series
- 128 AIRSTAGE™ V-Series OVERVIEW



AIRSTAGE™ J-Series

- 120 AIRSTAGE™ J-IIS
- 122 AIRSTAGE™ J-III
- 124 AIRSTAGE™ J-IIIL



AIRSTAGE™ V-Series

- 130 AIRSTAGE™ VR-II
- 134 AIRSTAGE™ V-III

VRF INDOOR UNITS

- 138 VRF Indoor Units Lineup
- 140 NEW INDOOR UNITS
 - Compact Cassette Grille Type
 - Wall Mounted
- 142 VRF Indoor Units Specifications



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



For LIGHT COMMERCIAL

SMALL OFFICES

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

AIRSTAGE™



NEW



J-III

J-III L

J-III L
High capacity model

AIRSTAGE™ J-Series Up to 16 HP by compact outdoor unit

Small VRF system is suitable for the buildings with many small rooms. Max. 40* indoor units can be connected.

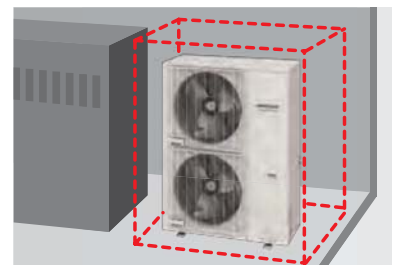
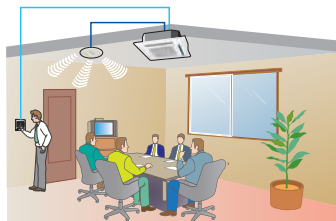
*Only J-III L 16 HP model



116 Page ~

Energy saving solution suitable for meeting rooms and business discussion rooms

When there are no people in the room, save operation starts automatically to prevent unnecessary power consumption by linking up with a human sensor and external input/output kit.



J-III L

Compact and low noise design outdoor unit

This compact outdoor unit doesn't take up much space even if installed in a machine room or on the rooftop. This unit secures enough static pressure even if there are louvres. Low noise operation is possible at night time by a low noise mode.



Compact Cassette Grid Type



Centralised control of both air conditioning and ventilation equipment

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

 **166** Page

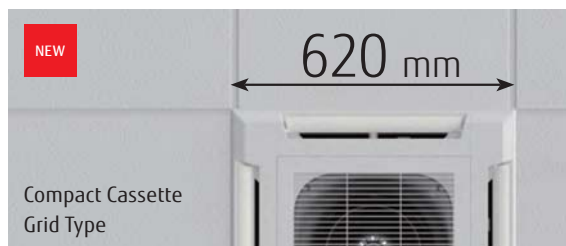


System Controller Lite

New design Grilles ideal for a grid ceiling

We have equipped a new 620 mm square design panel that is ideal for the grid ceiling found in many offices in Europe. Easy installation and finished appearance are enhanced by these new panels.

 **140** Page



Compact Cassette Grid Type

1.1 kW personal air conditioning

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

 **143** Page ~

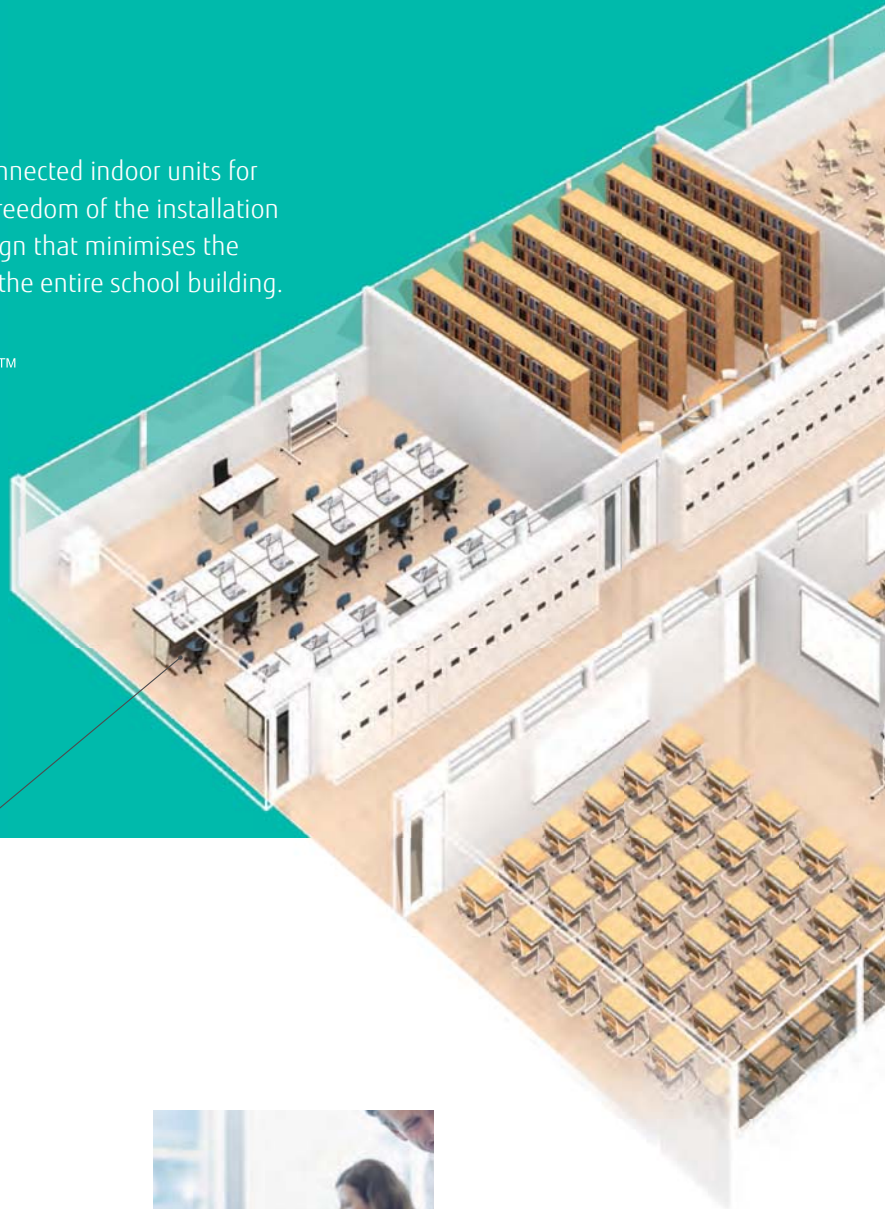




For LIGHT COMMERCIAL SCHOOL

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

AIRSTAGE™



Touch Panel Controller UTY-DTGYZ1

LAN



PC



Router

Wireless
LAN

Fixed IP, IP forwarding
and open Port required



INTERNET



Tablet PC



Smartphone

iOS, Android and/or Windows

New centralised remote controller with improved operability

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

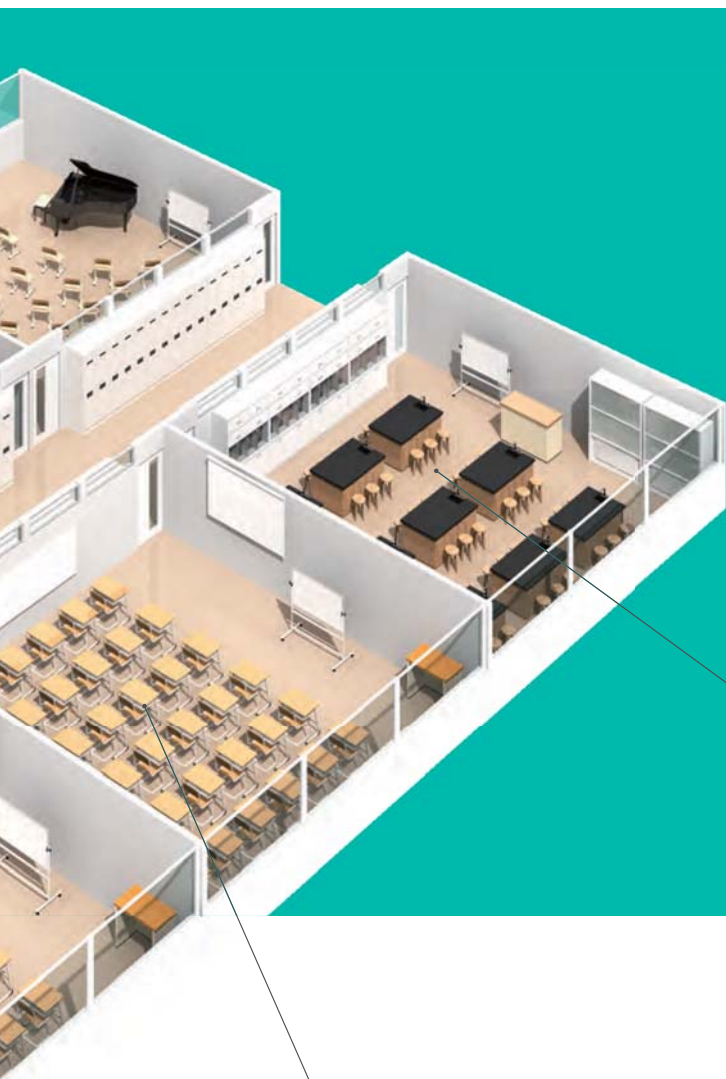


164 Page

Control and monitoring

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





Bulkhead Duct



NEW Energy Recovery Ventilator

 196 Page

Various indoor units

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



Cassette Circular Flow

Comfortable room air conditioning with comfortable temperature contrast

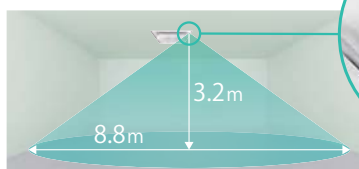
Circular Airflow Cassette blows out in all directions without temperature unevenness



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



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



Human sensor (Option)



For LIGHT COMMERCIAL HOTELS

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

AIRSTAGE™

NEW



AIRSTAGE™ J-Series Appearance- oriented compact outdoor unit

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



116 Page ~



Large space air conditioning in the reception and lobby

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



062 Page



Ventilation of the whole hotel supported

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



204 Page

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

Space saving

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



Bulkhead Duct

 **144** Page



Card key switch available (By others)

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



Use of an external connect kit and switch (By others)

 **177** Page

Comfortable airflow that switches up and down air directions

The Auto Louvre Grille Kit achieves comfortable airflow by adjusting the air direction.



Auto Louvre Grille Kit

 **184** Page



System controller

Centralised control of air conditioning in shared spaces

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

 **166** Page



Simple Remote Controller with sophisticated design

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

 **159** Page

For COMMERCIAL LARGE BUILDING

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

AIRSTAGE™



Abundant lineup suitable to match the operating environment

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



AIRSTAGE™ VR-II

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

8 HP - 48 HP 34 Models

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

 128 Page ~

Individual air conditioning system for large buildings

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

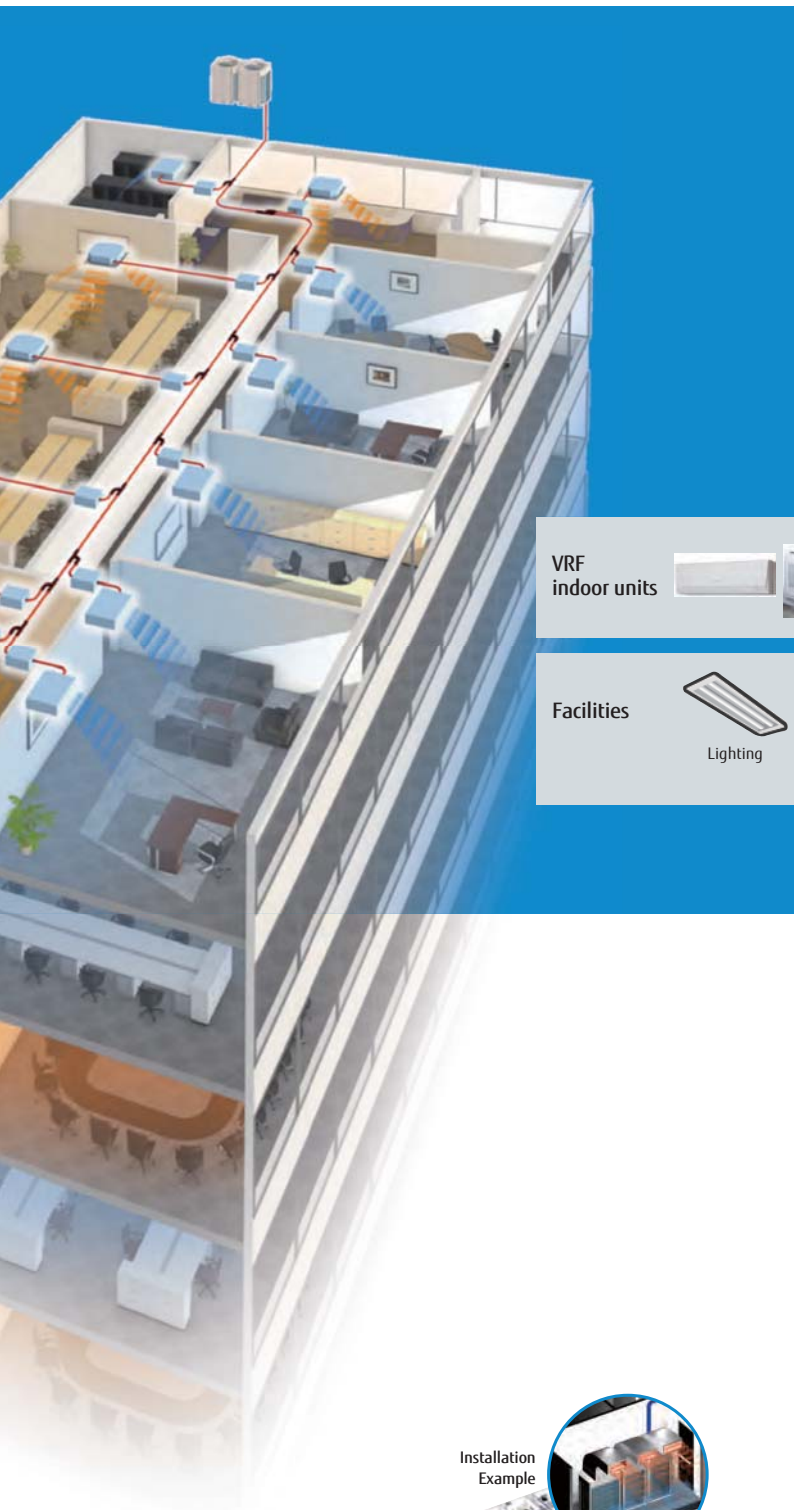


AIRSTAGE™ V-III

8 HP - 54 HP 39 Models

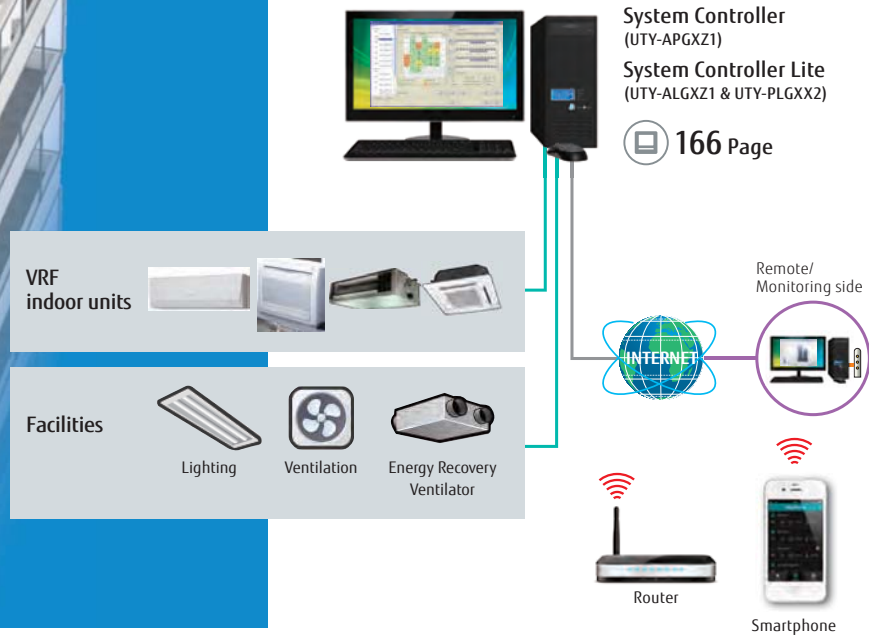
- Space saving combination: 8 HP to 54 HP/24 models
- Energy efficiency combination: 16 HP to 46 HP/ 15 models

 128 Page ~



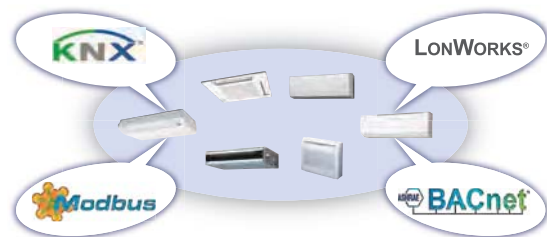
Centralised control

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



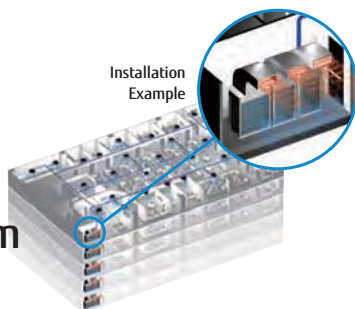
Link up with a variety of BMS

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



High system flexibility

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

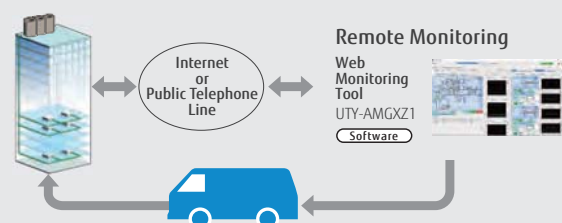


82 Pa

*: For V-III series.
VR-II series are
80 Pa

Rapid service support

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

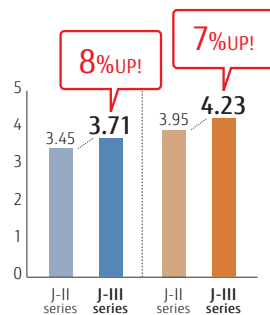


CORE TECHNOLOGY

for AIRSTAGE™ J-Series

High Energy Efficiency

Efficiency is improved significantly by using DC twin rotary compressor, inverter technology, and large heat exchanger



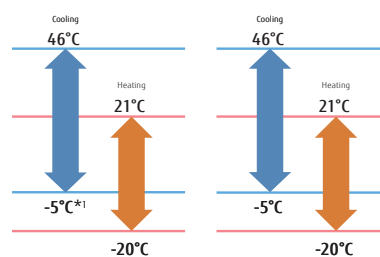
Heat Pump (6 HP)

Wide operating range

Installation in extreme temperature conditions is possible due to an increase in operational range.

AIRSTAGE™ J-III series
Heat Pump type

AIRSTAGE™ J-III &
J-IIS series
Heat Pump type



*1: Only when all indoor units are 5.6 kW or more in the system, the operation range is -15 to 46°C.

High capacity connection

Series		Connectable indoor unit capacity range	Connectable indoor unit number
	AIRSTAGE™ J-III series 14/16 HP Heat Pump type	50% to 150%* ²	up to 40
	AIRSTAGE™ J-III series 8/10/12 HP Heat Pump type	50% to 150%* ²	up to 30
	AIRSTAGE™ J-III series Heat Pump type	50% to 150%* ²	up to 13
	AIRSTAGE™ J-IIS series Heat Pump type	50%* ³ to 130%* ²	up to 8

*2: Conditions of maximum connectable indoor unit capacity ratio is as the chart above.

*3: Only 4 HP is 46%



Designed for low refrigerant charge

Optimal design of indoor unit and outdoor unit reduces the refrigerant volume and special support is not required even when installing in a small room of about 15 m².





Design Flexibility



Top class Compact design

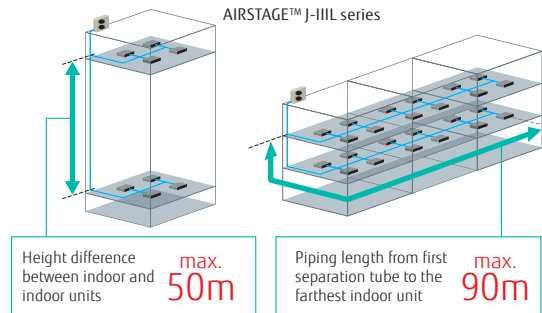
Compact outdoor unit can be attained at the top class in the industry by optimal airflow structure design. (Up to 16 HP)



Long piping design

Piping design suitable for long, narrow office buildings with a difference in height and low-rise shops with depth (AIRSTAGE™ J-IIIIL series)

AIRSTAGE™ J-Series Compact Outdoor Unit



More Comfort

Precision refrigerant flow control

Precise and smooth refrigerant flow control is achieved by using a DC Inverter control in conjunction with individual indoor unit electronic expansion valve control. This allows high precision comfortable temperature control of $\pm 0.5^{\circ}\text{C}$.



Auto changeover function

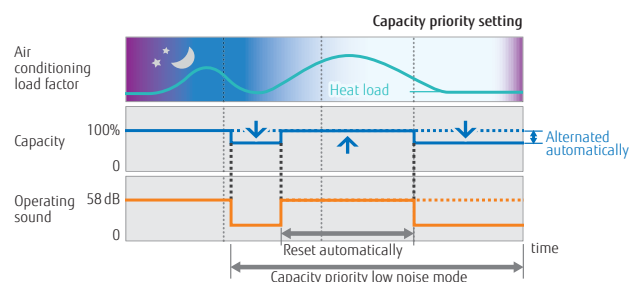
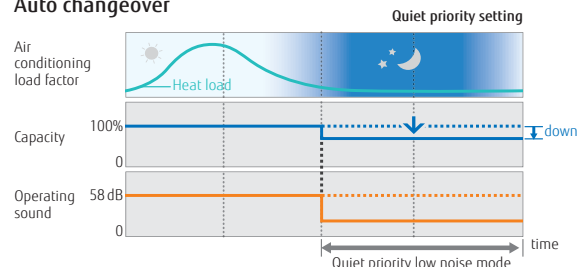
At Auto setting, the cooling/heating mode is automatically switched according to the set temperature and room temperature.



Quiet operation

Two low noise modes can be selected automatically by quiet priority setting and capacity priority setting depending on the indoor environment and outside temperature load. This feature can be controlled via outdoor unit external input and/or system controller.

Auto changeover



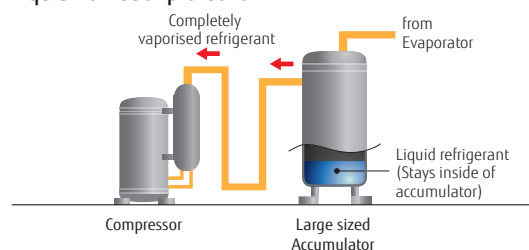
High Reliability



Liquid flow back protection

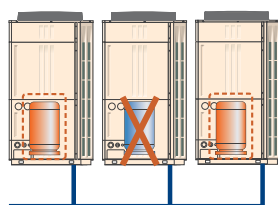
By adopting a large sized accumulator, not completely vapourised refrigerant stays inside of the accumulator to ensure no liquid refrigerant is being fed into the compressor.

Liquid flow back protection



Backup operation^{*1}

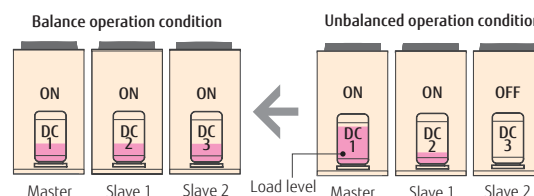
If one compressor fails, backup operation will be performed by the remaining compressors.^{*2}



^{*1}: Not available for AIRSTAGE™ J-III and J-IIS series

Advanced refrigerant control^{*1}

Innovative compressor control logic has been introduced in order to balance the refrigerant mass flow rate of each outdoor unit by controlling the inverter speed.



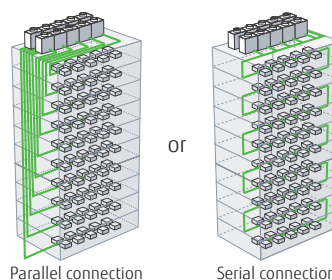
^{*2}: Note: Backup operation may not be possible depending on the fault condition.

Easy Installation



Simple wiring work

Installation of the wiring systems is made easier as the communication wiring can be installed continuously between the indoor, outdoor and RB units.



Up to maximum length
3,600 m

Note: Serial connection can't use the automatic address setting in a multiple refrigerant system.

Automatic address setting

The address of the indoor unit, RB unit and signal amplifier through the automatic function setting on the outdoor unit PCB.

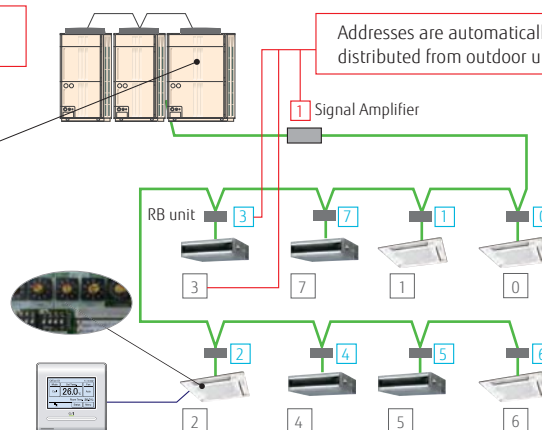
Automatic address setting is performed at outdoor unit



Press the push button switch of outdoor unit.

Manual address setting from indoor unit and remote controller is also possible.

Addresses are automatically distributed from outdoor unit.





Easy Service & Maintenance

Design for easy maintenance

Easy to read 7-segment LED :

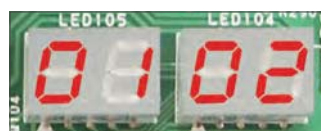
Confirm detailed operational and error status without using any specific equipment.

- Operation mode status
- Discharge temperature/Pressure status
- Compressor operation indication
- Address/type/number of outdoor unit

Movable PCB panel:

Easier for maintenance work behind the PCB

7-segment LED



Error and quantity display



Error code



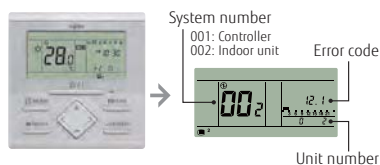
Abnormal indoor unit address

- Error status can be checked easily by outdoor unit display

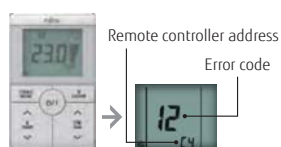
Error status can be checked easily via the indoor unit wired controller

An error code is displayed on a liquid crystal screen.

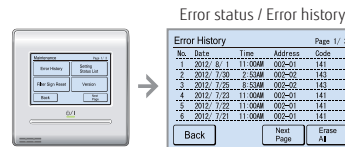
Wired Remote Controller



Simple Remote Controller



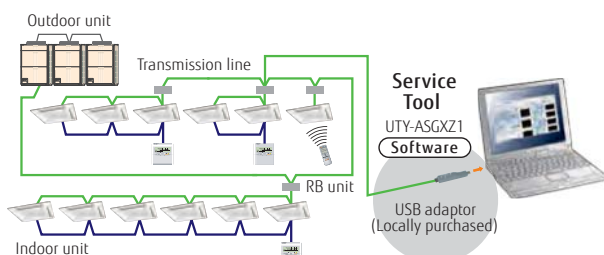
Wired Remote Controller (Touch panel)



Error diagnosis by Service Tool

Connection to Service Tool

- Detail operation status and recent error history can be checked and analysed by using the Service Tool.
- Last 5 min. operation memory can be also be recorded.

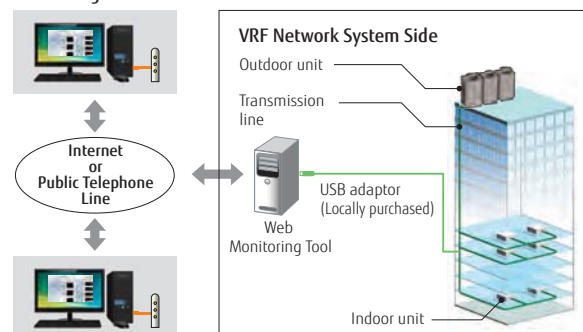


Remote monitoring

The Web Monitoring system allows you to view system operation anytime over the internet, ensuring issue free operation.

The operating VRF network system in the building can be monitored real time over the Internet.

Monitoring Side



PRODUCT LINEUP: VRF

VRF Outdoor Units Lineup



Capacity (kW)		12.1	14.0	15.1-15.5	22.4	28.0	33.5	40.0	45.0	50.4	55.9	61.5	67.0	73.5
HP		4	5	6	8	10	12	14	16	18	20	22	24	26
J-IIS Series Page 120		 AJY040 LCLAH	 AJY045 LCLAH	 AJY054 LCLAH										
J-III Series Page 122		 AJY040 LBLAH, AJY040 LELAH	 AJY040 LBLAH, AJY040 LELAH	 AJY054 LBLAH, AJY054 LELAH										
J-IIIL Series Page 124~					 AJY072 LELAH	 AJY090 LELAH	 AJY108 LELAH	 AJY126 LELAH	 AJY144 LELAH					
VR-II Series Heat Recovery	Space Saving Page 130~				 AJYA72 GALH	 AJYA90 GALH	 AJY108 GALH	 AJY126 GALH	 AJY144 GALH	 AJY162 GALH	 AJY180 GALH	 AJY198 GALH	 AJY216 GALH	 AJY234 GALH
	Energy Efficiency Page 130~								 AJY144 GALHH		 AJY198 GALHH	 AJY216 GALHH	 AJY234 GALHH	
	Set Model													
V-III Series Heat Pump	Space Saving Page 134~				 AJY072 LALBH	 AJY090 LALBH	 AJY108 LALBH	 AJY126 LALBH	 AJY144 LALBH	 AJY162 LALBH	 AJY180 LALBH	 AJY198 LALBH	 AJY216 LALBH	 AJY234 LALBH
	Energy Efficiency Page 134~								 AJY144 LALBHH	 AJY162 LALBHH	 AJY180 LALBHH	 AJY216 LALBHH	 AJY234 LALBHH	
	Set Model													

78.5 28	85.0 30	90.0 32	95.0 34	100.5 36	107.0 38	112.0 40	118.5 42	123.5 44	130.0 46	135.0 48	140.0 50	145.0 52	150.0 54
 AJY252 GALH	 AJY270 GALH	 AJY288 GALH	 AJY306 GALH	 AJY324 GALH	 AJY342 GALH	 AJY360 GALH	 AJY378 GALH	 AJY396 GALH	 AJY414 GALH	 AJY432 GALH			
 AJY252 GALHH	 AJY270 GALHH	 AJY288 GALHH	 AJY306 GALHH	 AJY324 GALHH	 AJY342 GALHH	 AJY360 GALHH	 AJY378 GALHH	 AJY396 GALHH					
 AJY252 LALBH	 AJY270 LALBH	 AJY288 LALBH	 AJY306 LALBH	 AJY324 LALBH	 AJY342 LALBH	 AJY360 LALBH	 AJY378 LALBH	 AJY396 LALBH	 AJY414 LALBH	 AJY432 LALBH	 AJY450 LALBH	 AJY468 LALBH	 AJY486 LALBH
 AJY252 LALBHH	 AJY270 LALBHH	 AJY288 LALBHH	 AJY306 LALBHH	 AJY324 LALBHH	 AJY342 LALBHH	 AJY360 LALBHH	 AJY378 LALBHH	 AJY396 LALBHH	 AJY414 LALBHH				

AIRSTAGE™ J-Series OVERVIEW

Fujitsu General provides air conditioning systems for a wide range of applications from small office buildings and hotels to large stores, houses.



AIRSTAGE™ J-III L

J-III L is an outdoor unit with a slim design offering a high degree of freedom of installation that is recommended for mid-size office buildings and hotels. Furthermore, you can connect up to 40* indoor units with newly added 14/16 HP model. 14/16 HP model is also ideal for hospitals and educational facilities with many rooms. (*: 16 HP model)

Slim Outdoor Unit

Although this is a 14/16 HP model that can handle slightly larger properties, it has a slim depth of 480 mm. This model can be introduced and installed even in limited spaces.

Small room application

Up to 30-40 indoor units can be connected by the optimum heat exchanger structure. Available to various small rooms.

Top Class Low Operating Sound

Top class low sound operation has been achieved. This allows installation of the units in locations without any special sound attenuation work.





AIRSTAGE™ J-III

J-III improves the system with up to 13 indoor units. This model is suitable for small buildings and light commercial applications.

High Energy Efficiency

Heat pump inverter control is used to achieve an efficient cooling and heating operation in any indoor unit combination.

Flexible systems for small- and medium-size buildings air conditioning

Space saving design and long piping design allow for flexible installation on the roofs or balconies of small and medium-size buildings.

Multiple indoor units of various capacities and types can be connected.



AIRSTAGE™ J-IIS

J-IIS has a compact design with a height of 998 mm that does not obstruct visibility even when installed near waist-high windows. This model is also ideal for large houses, retail stores and other properties.

Space saving and low sound level design

Economical individual air conditioning is achieved by ALL-DC technology, large capacity DC twin rotary compressor, and 3-row heat exchanger though the size is compact.

Flexible systems for homes, shops, small-size buildings air conditioning

Due to compact size design and flexible piping design, J-IIS series can be installed easily at the place where the installation space is limited such as homes, shops, and small offices. Multiple indoor units of various capacities and types can be connected.



AIRSTAGE™ J-III L

NEW

14/16 HP models & 8/10/12 HP models



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

Image: 8/10/12 HP models

Slim & Compact Design



Inhouse installation



AIRSTAGE™ J-Series outdoor unit



AIRSTAGE™ V-Series outdoor unit

Low noise in consideration for the nearby residents

This model is front blow type and about 1000 mm wide, so flexible installation is possible even at narrow inhouse space.

Installation at building side



AIRSTAGE™ J-Series outdoor unit



AIRSTAGE™ V-Series outdoor unit

Space saving

Due to compact and thin model, direct ground installation or wall mounted installation is possible even at narrow off-street.

Installation at the back of the building



AIRSTAGE™ J-Series outdoor unit



AIRSTAGE™ V-Series outdoor unit

Flexible installation

This model is front blow type and slim & low body, so installation space is compact. Building windows are not blocked and space saving multiple units installation is possible.

Heat Pump for Small Capacity Type

AIRSTAGE™ J-IIS

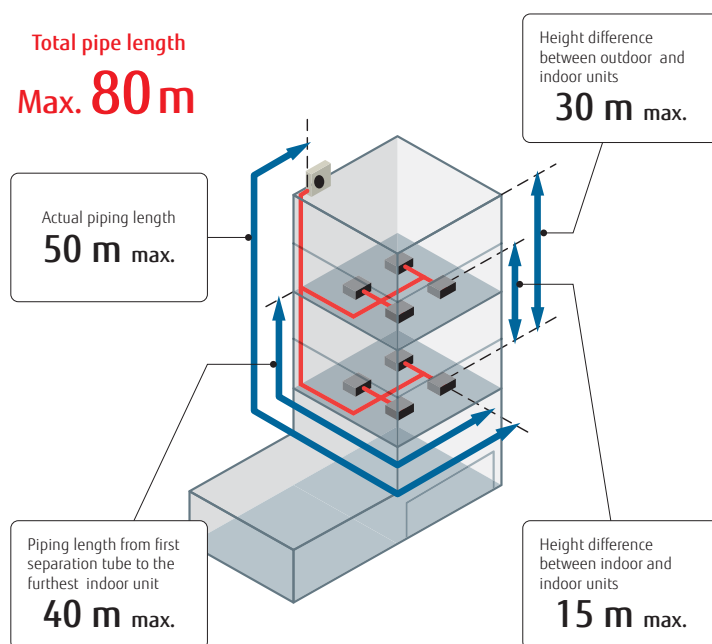


Long piping length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 80 m. This opens up new possibilities in system design.

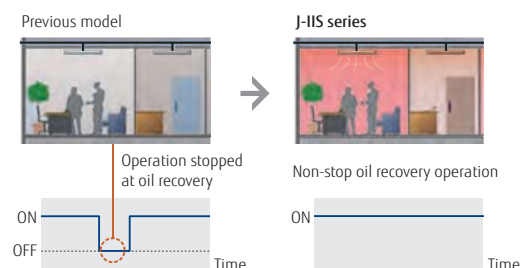


Total pipe length
Max. 80 m



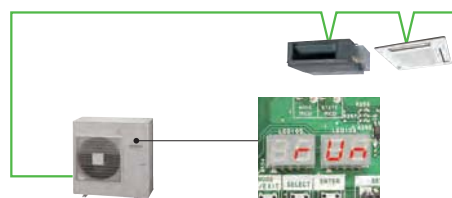
Non-stop oil recovery operation

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 : Possible to confirm whether wiring connection and address setting are correct by a quick check run function.



- Display connected indoor unit numbers
- Duplicated indoor unit addresses can be displayed

Heat Pump for Small Capacity Type

AIRSTAGE™ J-III



Long Piping Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 180 m. This opens up new possibilities in system design.



Total pipe length
Max. 180 m

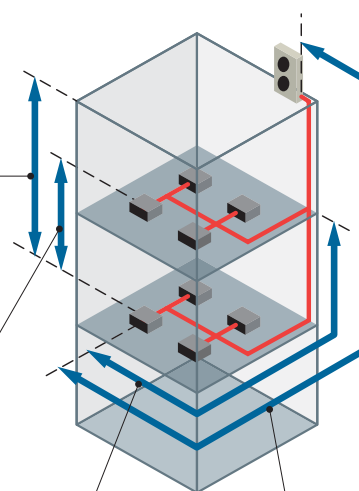
Height difference
between outdoor and
indoor units
50 m max.

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

Height difference
between indoor and
indoor units
15 m max.

Piping length from first
separation tube to the
furthest indoor unit
40 m max.

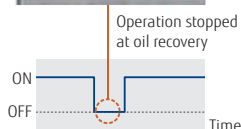
Actual piping length
120 m max.



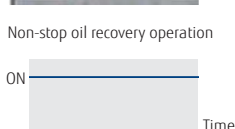
Non-stop oil recovery operation

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

Previous model

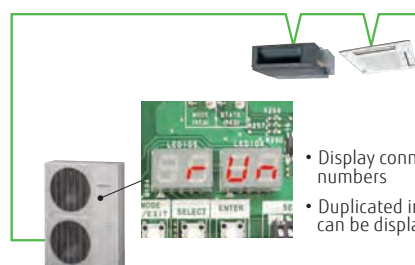


J-III series



Easier Installation

Connection check function : Possible to confirm whether wiring connection and address setting are correct by a quick check run function.



- Display connected indoor unit numbers
- Duplicated indoor unit addresses can be displayed

4,5,6HP : AJY040LBLAH / AJY045LBLAH / AJY054LBLAH AJY040LELAH [3phase] / AJY045LELAH [3phase] / AJY054LELAH [3phase]



Specifications

Rating Capacity range		HP	4	5	6
Model name			AJY040LBLAH	AJY045LBLAH	AJY054LBLAH
Maximum Connectable Indoor Unit			1-9	1-10	1-13
Power source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5
	Heating		13.6	16.0	18.0
Input power	Cooling	kW	2.90	3.57	4.18
	Heating		2.80	3.55	4.26
EER/SEER (LOT21)	Cooling	W/W	4.17 / 5.99	3.92 / 5.85	3.71 / 5.78
COP/SCOP (LOT21)	Heating	W/W	4.86 / 3.92	4.51 / 3.85	4.23 / 3.78
Airflow rate		m³/h	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	dB(A)	50 / 66	51 / 67	53 / 69
	Heating		52 / 68	53 / 69	55 / 71
Minimum Recommended MCB		AMP	32	32	32
Net Dimensions	Height	mm	1,334	1,334	1,334
	Width		970	970	970
	Depth		370	370	370
Weight		kg	117	117	119
Refrigerant	Type	kg	R410A	R410A	R410A
	Charge		4.8	5.3	5.3
Connection pipe diameter	Liquid	Inch	3/8	3/8	3/8
	Gas		5/8	5/8	3/4
Total pipe length		m	180	180	180
Max. height difference			50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	°C	-5 to 46	-5 to 46	-5 to 46
	Heating		-20 to 21	-20 to 21	-20 to 21
List Price		£	3125	3469	3774

			4	5	6	
			AJY040LELAH	AJY045LELAH	AJY054LELAH	
			1-9	1-10	1-13	
			3-phase, ~400V, 50Hz			
			12.1	14.0	15.5	
			13.6	16.0	18.0	
			2.79	3.46	3.99	
			2.71	3.40	4.08	
			4.33 / 6.15	4.05 / 5.98	3.88 / 5.97	
			5.01 / 4.10	4.70 / 4.04	4.41 / 4.00	
			6,200	6,400	6,900	
			50 / 66	51 / 67	53 / 69	
			52 / 68	53 / 69	55 / 71	
			16	16	16	
			1,334	1,334	1,334	
			970	970	970	
			370	370	370	
			119	119	119	
			R410A	R410A	R410A	
			4.8	5.3	5.3	
			3/8	3/8	3/8	
			5/8	5/8	3/4	
			180	180	180	
			50/40 (Outdoor unit: Upper/Lower)			
			-5 to 46	-5 to 46	-5 to 46	
			-20 to 21	-20 to 21	-20 to 21	
			3313	3678	3963	

Note: Specifications are based on the following conditions.

Cooling: Indoor temperature of 27°CDB/19°CWB, and outdoor temperature of 35°CDB/24°CWB.

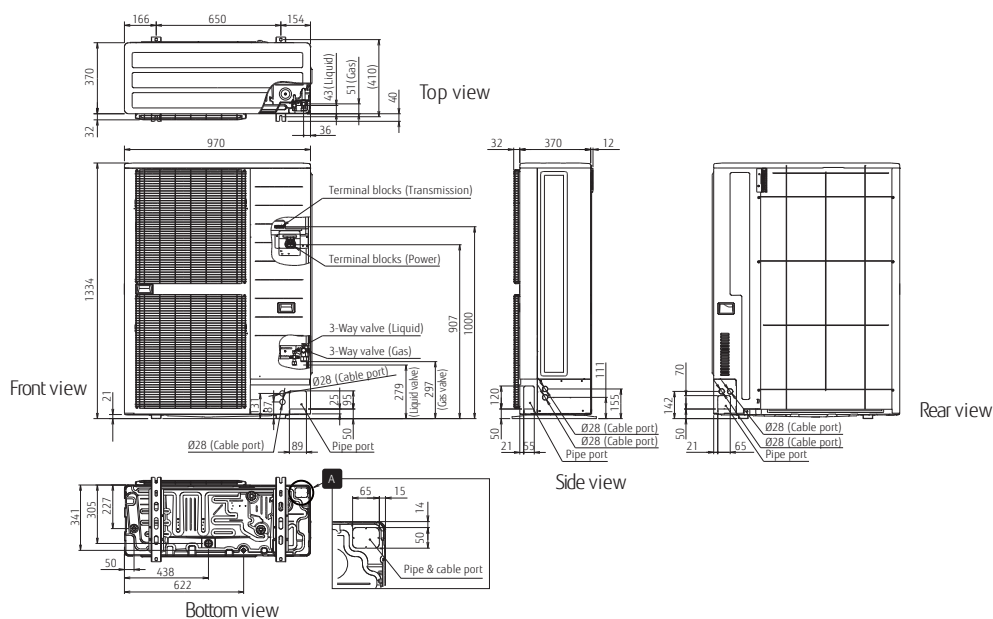
Heating: Indoor temperature of 20°CDB/(15°CWB), and outdoor temperature of 7°CDB/6°CWB.

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)



NEW

Heat Pump for Small Capacity Type

AIRSTAGE J-III L

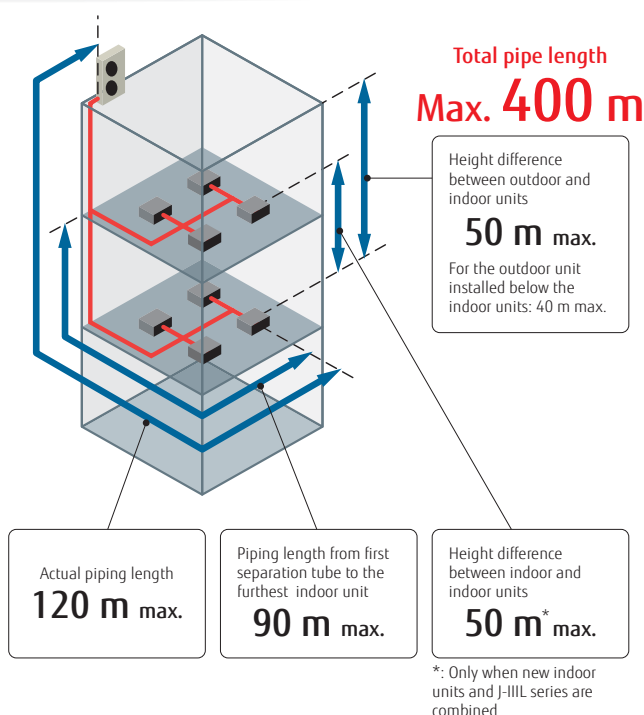


Long Piping Length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 400 m. This opens up new possibilities in system design.

Up to 40 units* can be connected

The combination of the smallest but adequate capacity indoor unit and a new outdoor unit with the optimum efficiency heat exchanger achieves the industry's top class connection of 40 units. *: 16 HP model.



High Static Pressure

External static pressure is available up to 60Pa for 14/16HP. (20Pa for 8/10HP, 30Pa for 12HP)



Top Class Low Operating Sound

Top class low operating sound is realised. Highly suited to densely populated areas thanks to their low operating sound.

Sound Power Level

66 dB(A)



J-III L (8 HP)

77 dB(A)

-11 dB(A)



Current model (8 HP)

8,10,12HP: AJY072LELAH / AJY090LELAH / AJY108LELAH
14,16HP: AJY126LELAH / AJY144LELAH



NEW

Specifications

Rating Capacity range		HP	8	10	12	14	16
Model name			AJY072LELAH	AJY090LELAH	AJY108LELAH	AJY126LELAH	AJY144LELAH
Maximum Connectable Indoor Unit			1-20	1-25	1-30	1-36	1-40
Power source			3 phase, ~400V, 50Hz				
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0
	Nominal Heating		22.4	28.0	33.5	40.0	45.0
	Max Heating		25.0	31.5	37.5	45.0	50.0
Input power	Cooling	kW	6.30	8.59	10.42	12.12	14.96
	Nominal Heating		4.65	6.61	8.18	9.71	11.81
	Max Heating		5.45	8.29	10.25	11.82	14.29
EER/SEER (LOT21)	Cooling	W/W	3.56/6.72	3.26/6.48	3.22/6.72	3.30/6.33	3.01/6.16
COP/SCOP (LOT21)	Nominal Heating		4.82	4.24	4.10	4.12	3.81
	Max Heating		4.56/3.86	3.80/3.59	3.66/3.58	3.81/3.52	3.50/3.51
Airflow rate		m³/h	8,400	9,000	11,000	13,000	14,000
Sound pressure level / Power level	Cooling	dB(A)	52/66	54/69	59/73	62/75	64/77
	Heating		54/—	57/—	61/—	63/—	65/—
Minimum Recommended MCB		AMP	20	20	25	40	40
Net Dimensions	Height	mm	1,428	1,428	1,428	1,638	1,638
	Width		1,080	1,080	1,080	1,080	1,080
	Depth		480	480	480	480	480
Weight		kg	170	177	178	210	210
Refrigerant	Type	R410A					
	Charge	kg	7.0	7.5	7.5	11.0	11.0
Connection pipe diameter	Liquid	Inch	3/8	3/8	1/2	1/2	1/2
	Gas		3/4	7/8	1 1/8	1 1/8	1 1/8
Total pipe length		m	400	400	400	400	400
Max. height difference		50/40 (Outdoor unit: Upper/Lower)					
Operation range	Cooling	°C	-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
List Price		£	4939	5199	6224	7272	8777

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.

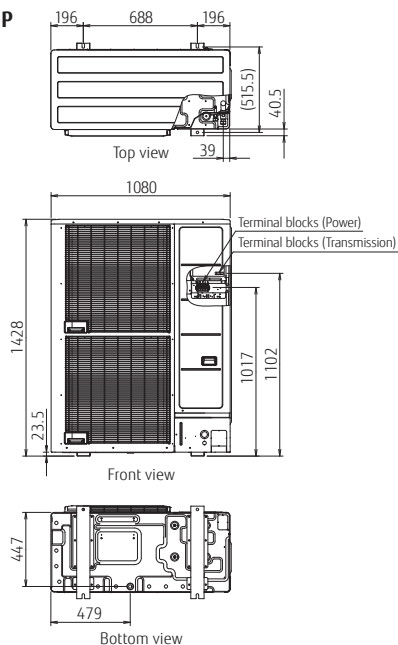
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

* 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.

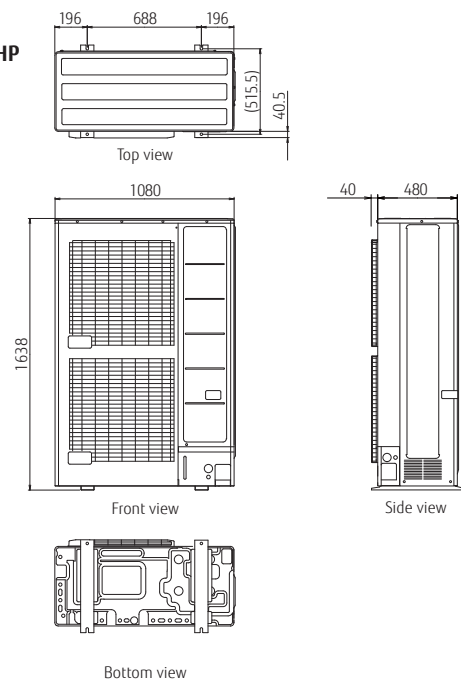
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16 HP

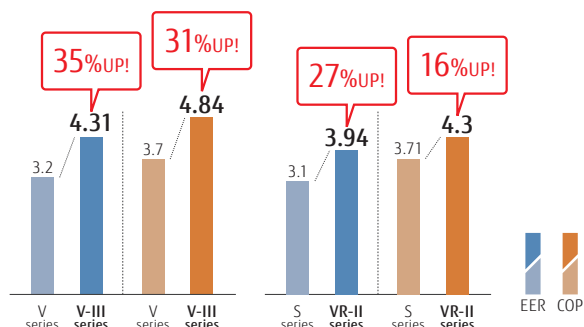


CORE TECHNOLOGY

for AIRSTAGE™ V-Series

High Energy Efficiency

Efficiency is improved significantly by using DC twin rotary compressor, inverter technology, and large heat exchanger



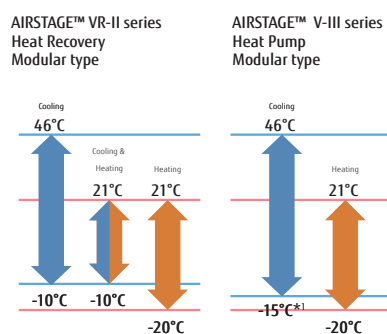
Heat Pump (8 HP)



Heat Recovery (10 HP)

Wide operating range

Installation in extreme temperature conditions is possible due to an increase in operational range.



*1: Note: When a multiple outdoor unit connection is used, operating range is from -5°C. to 46°C. in coolin.

High capacity connection

Series		Connectable indoor unit capacity range	Connectable indoor unit number
NEW	AIRSTAGE™ VR-II series Heat Recovery Modular type	50% to 150%*2	up to 64
	AIRSTAGE™ V-III series Heat Pump Modular type	50% to 150%*3	up to 64

*2: Conditions of maximum connectable indoor unit capacity ratio is as the chart above.

*3: Max. capacities in the combinations including the 18 HP outdoor unit fall below 150%.



Various optional parts

- Intake fresh air with our Fresh Air Intake kit
- Comfortable temperature control with a remote sensor
- Operation by linking up to ventilation equipment and air handling unit with the DX-Kit



Fresh Air Intake kit



EEV unit



Control unit



Energy Saving Function



Economy operation

Economy operation can be set by remote controller. The temperature setting is offset automatically over a certain period of time.



Room temperature set point limitation

The minimum and maximum temperature ranges can be limited, which provide further energy saving while maintaining the comfort of the occupants.



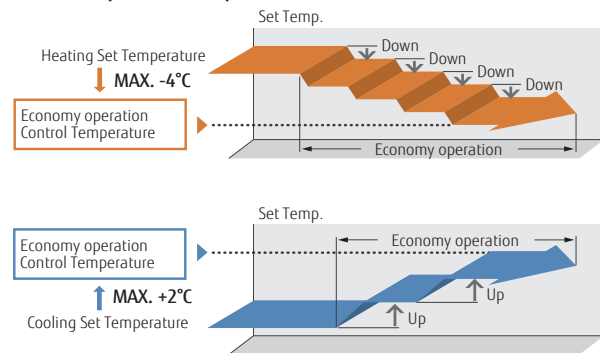
Auto-off timer

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

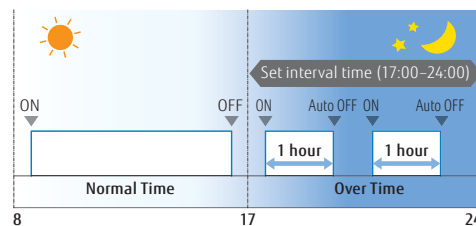
Capacity save operation

Operation capacity can be set in 5 steps for rated capability. The power consumption at peak is cut down and the maximum load is suppressed.

Room temperature set point limitation



Auto-off timer



Design Flexibility



Overall piping length Max. 1,000 m



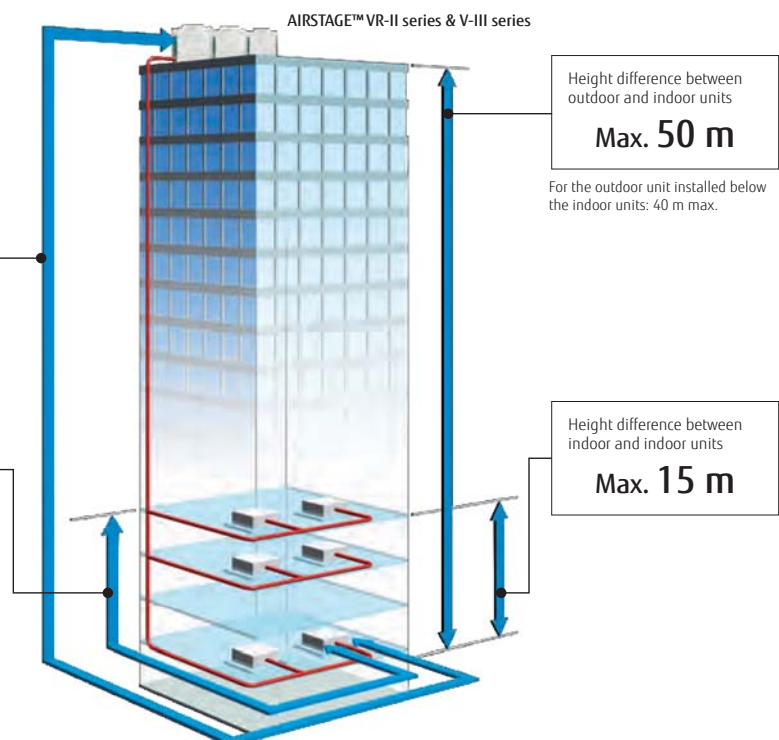
World's top class overall piping length of 1,000 m allows for application in a wide variety of buildings.

Actual pipe length
Max. 165 m

Pipe length from first separation tube to the farthest indoor unit
Max. 90 m^{*1*2}

*1: V-III series. The limitation on the pipe length between the farthest IU and the nearest IU originated from the first separation tube must be 60 m or less.

*2: VR-II series is max. 60 m.



AIRSTAGE™ V-Series OVERVIEW

AIRSTAGE™ V-Series Systems can be designed to effectively provide an air conditioning solution from a large domestic residence through to a large scale commercial building.



AIRSTAGE™ VR-II

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

Simultaneous cooling and heating operation using 1 refrigerant system

Cooling and heating can be freely selected for each indoor unit to provide simultaneous cooling and heating in the rooms with large temperature differences, etc.

Annual cooling operation

Use annual cooling operation for the rooms and other spaces that require constant temperature control throughout the year.

Handles changes in the temperature difference

The operation mode can be freely changed when there are large temperature differences during the day, such as between seasons.



AIRSTAGE™ V-III

Smart and cutting edge design. Extensive lineup from 8 HP to 54 HP in 2 HP increment. Connectable indoor unit capacity ratio up to 150%

Excellent energy saving

Heat pump inverter type realises the highly energy saving air conditioning for individual cooling and heating operation by all inverter technology for seasonal efficiency.

High design flexibility for various building's air conditioning

High design flexibly meets the various needs of high-rise building air conditioning such as outdoor unit roof top concentrated installation and each floor installation by large capacity combination, sufficient connection capacity, and high static pressure design.

Easy installation and maintenance

The flexible communication method and piping connections make installation and maintenance easy even for large systems.





Energy saving technology that boosted operation efficiency



1 Powerful large propeller fan

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

*1. CFD = Computational Fluid Dynamics



2 3 phase DC fan motor

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



3 Sine-wave DC inverter control

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



4 4-face heat exchanger

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



5 Subcool heat exchanger

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



6 High efficient and large capacity DC inverter compressor

Large capacity high efficient DC twin rotary compressor with excellent intermediate capability.



7 Front intake port (Corner cut air inlet structure)

In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.

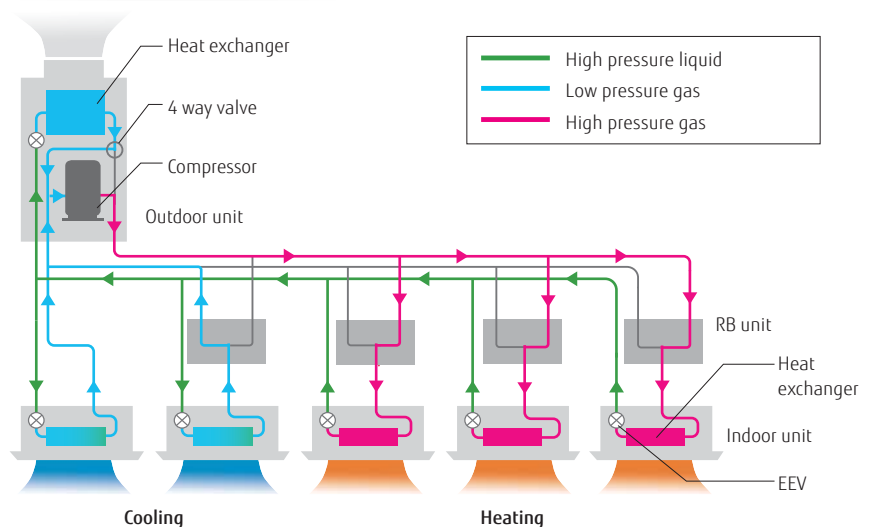


Heat Recovery Modular Type

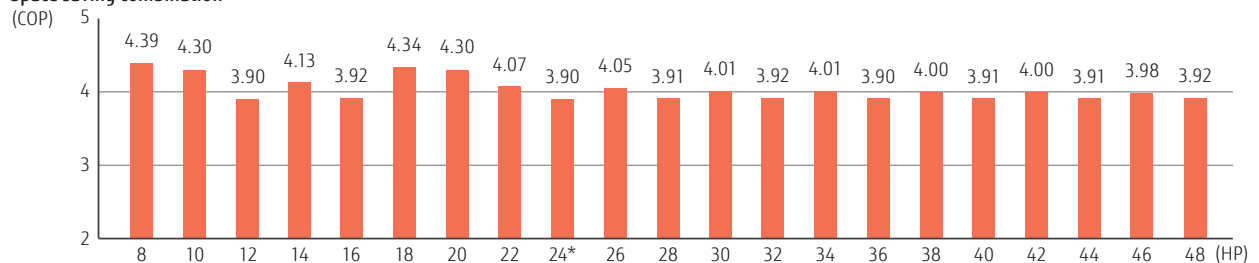
AIRSTAGE™ VR-II

High Operating Energy Efficiency

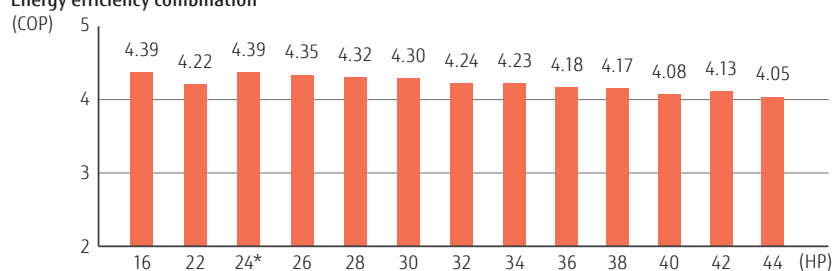
Our Heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.



Space saving combination



Energy efficiency combination



For 24HP Combination



COP 12.6% UP

8,10,12HP : AJYA72GALH / AJYA90GALH / AJY108GALH
14,16HP : AJY126GALH / AJY144GALH



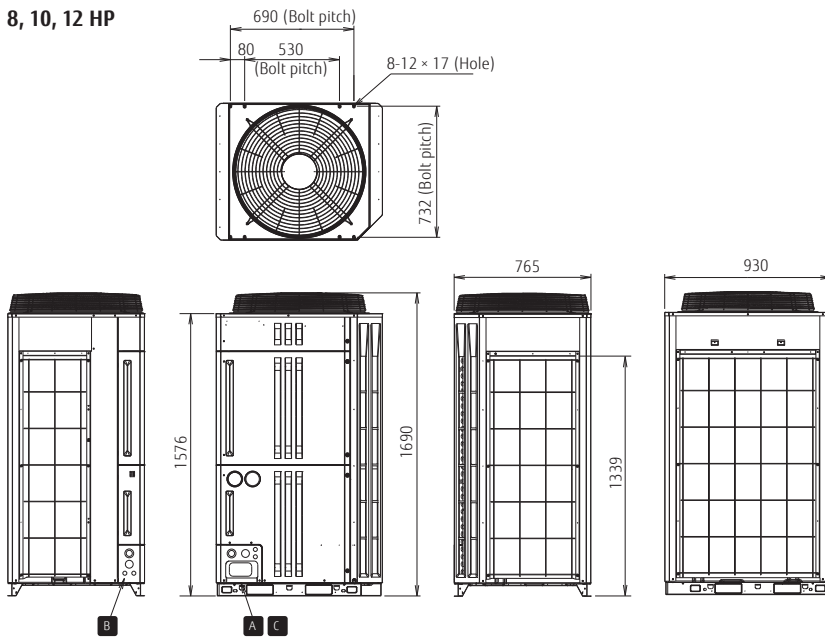
8, 10, 12 HP

14, 16 HP

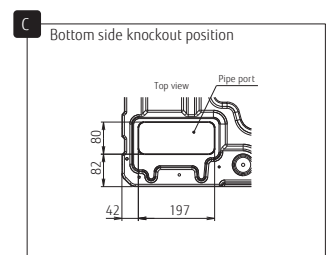
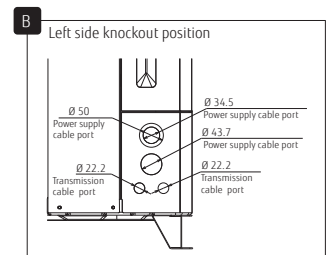
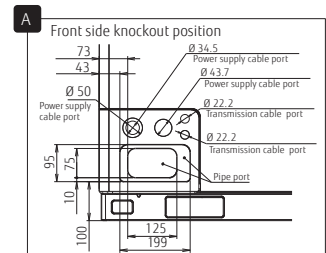
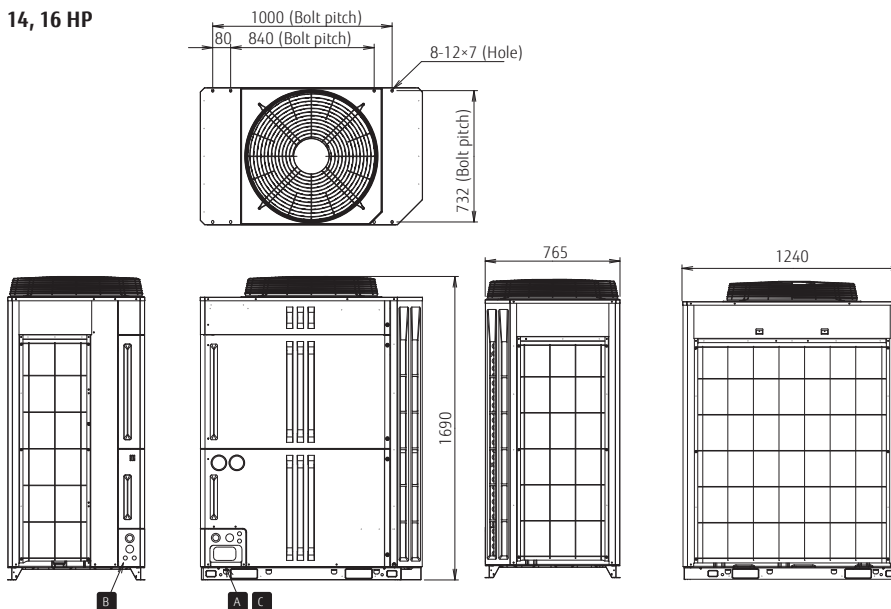
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16 HP



PRODUCT LINEUP: VRF-AIRSTAGE™ V-Series

Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24
											
Set Model name			AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY162GALH	AJY180GALH	AJY198GALH	AJY216GALH
Unit 1 Unit 2 Unit 3			AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJYA90GALH AJYA72GALH	AJYA90GALH AJYA90GALH	AJY108GALH AJYA90GALH	AJY108GALH AJY108GALH
Maximum Connectable Indoor Unit*1			15	16	17	21	24	27	30	32	35
Indoor unit connectable capacity		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	30.8-92.2	33.5-100.5
Power source			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
	Heating		25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0
Input power	Cooling	kW	5.45	7.11	9.75	11.34	13.61	12.56	14.22	16.86	19.50
	Heating		5.70	7.33	9.62	10.90	12.77	13.03	14.66	16.95	19.24
EER/SEER (LOT21)	Cooling	W/W	4.11/5.68	3.94/5.44	3.44/5.36	3.53/5.79	3.31/5.47	4.01	3.94	3.65	3.44
COP/SCOP (LOT21)	Heating	W/W	4.39/3.62	4.30/3.51	3.90/3.52	4.13/4.11	3.92/4.09	4.34	4.30	4.07	3.90
Airflow rate		m³/h	11,100	11,100	11,100	13,000	13,000	11,100×2	11,100×2	11,100×2	11,100×2
Sound pressure level*2/ Power level	Cooling	dB(A)	56 / 77	58 / 79	59 / 80	60 / 81	61 / 82	60 / 81	61 / 82	62 / 83	62 / 83
	Heating		58 / 80	59 / 81	61 / 83	61 / 83	61 / 83	62 / 84	62 / 84	63 / 85	64 / 86
Maximum external static pressure		Pa	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
Minimum Recommended MCB		AMP	20	25	25	40	40	25 + 20	25 + 25	25 + 25	25 + 25
Net Dimensions	Height	mm	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
	Depth		765	765	765	765	765	765	765	765	765
Weight		kg	262	262	262	286	286	262×2	262×2	262×2	262×2
Refrigerant	Type	kg	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge		11.8	11.8	11.8	11.8	11.8	11.8×2	11.8×2	11.8×2	11.8×2
Connection pipe diameter	Liquid	Inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8
	Discharge Gas		5/8	3/4	3/4	7/8	7/8	7/8	7/8	1 1/8	1 1/8
	Suction Gas		7/8	7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8
Operation range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-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
List Price		£	6,016	6,580	8,046	9,403	10,851	12,596	13,160	14,626	16,092

Energy Efficiency Combination

Rating Capacity range		HP	16	22	24	26	28	30
								
Set Model name			AJY144GALHH	AJY198GALHH	AJY216GALHH	AJY234GALHH	AJY252GALHH	AJY270GALHH
Unit 1 Unit 2 Unit 3			AJYA72GALH AJYA72GALH	AJY126GALH AJYA72GALH	AJYA72GALH AJYA72GALH AJYA72GALH	AJYA90GALH AJYA72GALH AJYA72GALH	AJYA90GALH AJYA90GALH AJYA72GALH	AJYA90GALH AJYA90GALH AJYA90GALH
Maximum Connectable Indoor Unit* ¹			24	33	36	39	42	45
Indoor unit connectable capacity		kW	22.4-67.2	31.2-93.6	33.6-100.8	36.4-109.2	39.2-117.6	42.0-126.0
Power source			3-phase 4 wire , 400 V, 50Hz					
Capacity	Cooling	kW	44.8	62.4	67.2	72.8	78.4	84.0
	Heating		50.0	70.0	75.0	81.5	88.0	94.5
Input power	Cooling	kW	10.90	16.79	16.35	18.01	19.67	21.33
	Heating		11.40	16.60	17.10	18.73	20.36	21.99
EER	Cooling	W/W	4.11	3.72	4.11	4.04	3.99	3.94
COP	Heating	W/W	4.39	4.22	4.39	4.35	4.32	4.30
Airflow rate		m ³ /h	11,100×2	13,000+11,100	11,100×3	11,100×3	11,100×3	11,100×3
Sound pressure level* ² / Power level	Cooling	dB(A)	59 / 80	61 / 82	61 / 82	62 / 83	62 / 83	63 / 84
	Heating		61 / 83	63 / 85	63 / 85	63 / 85	63 / 85	64 / 86
Maximum external static pressure		Pa	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
Minimum Recommended MCB		AMP	20 + 20	40 + 20	20 + 20 + 20	20 + 20 + 20	25 + 25 + 20	25 + 25 + 25
Net Dimensions	Height	mm	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
	Depth		765	765	765	765	765	765
Weight		kg	262×2	286+262	262×3	262×3	262×3	262×3
Refrigerant	Type	kg	R410A	R410A	R410A	R410A	R410A	R410A
	Charge		11.8×2	11.8×2	11.8×3	11.8×3	11.8×3	11.8×3
Connection pipe diameter	Liquid	Inch	1/2	5/8	5/8	5/8	5/8	3/4
	Discharge Gas		7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8
	Suction Gas		1 1/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
Operation range	Cooling	°CDB	-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
	Cooling/Heating		-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21
List Price		£	12,032	15,419	18,048	18,612	19,176	19,740

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 will be conducted at outdoor air temperature below -5°C, the outdoor unit must be installed in a position that is higher than or equal to those of indoor units.

26	28	30	32	34	36	38	40	42	44	46	48
											
AJY234GALH	AJY252GALH	AJY270GALH	AJY288GALH	AJY306GALH	AJY324GALH	AJY342GALH	AJY360GALH	AJY378GALH	AJY396GALH	AJY414GALH	AJY432GALH
AJY144GALH AJYA90GALH	AJY144GALH AJY108GALH	AJY144GALH AJY126GALH	AJY144GALH AJY144GALH	AJY108GALH AJY108GALH AJYA90GALH	AJY108GALH AJY108GALH AJY108GALH	AJY144GALH AJY108GALH AJYA90GALH	AJY144GALH AJY108GALH AJY108GALH	AJY144GALH AJY144GALH AJYA90GALH	AJY144GALH AJY144GALH AJY108GALH	AJY144GALH AJY144GALH AJY126GALH	AJY144GALH AJY144GALH AJY144GALH
39	42	45	48	50	53	57	60	63	64	64	64
36.5-109.5	39.3-117.7	42.5-127.5	45.0-135.0	47.5-142.5	50.3-150.7	53.3-159.7	56.0-168.0	59.0-177.0	61.8-185.2	65.0-195.0	67.5-202.5
3-phase 4 wire, 400 V, 50Hz											
73.0	78.5	85.0	90.0	95.0	100.5	106.5	112.0	118.0	123.5	130.0	135.0
81.5	87.5	95.0	100.0	106.5	112.5	119.0	125.0	131.5	137.5	145.0	150.0
20.72	23.36	24.95	27.22	26.61	29.25	30.47	33.11	34.33	36.97	38.56	40.83
20.10	22.39	23.67	25.54	26.57	28.86	29.72	32.01	32.87	35.16	36.44	38.31
3.52	3.36	3.41	3.31	3.57	3.44	3.50	3.38	3.44	3.34	3.37	3.31
4.05	3.91	4.01	3.92	4.01	3.90	4.00	3.91	4.00	3.91	3.98	3.92
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
63 / 84	63 / 84	64 / 84.5	64 / 85	63 / 85	64 / 85	64 / 85	65 / 85.5	65 / 86	65 / 86	65 / 86	66 / 87
63 / 85	64 / 86	64 / 86	64 / 86	65 / 87.2	65 / 87	65 / 87	66 / 87.7	65 / 87	66 / 87	66 / 88	66 / 88
80	80	80	80	80	80	80	80	80	80	80	80
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
40 + 25	40 + 25	40 + 40	40 + 40	25 + 25 + 25	25 + 25 + 25	40 + 25 + 25	40 + 25 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 40	40 + 40 + 40
1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240+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
765	765	765	765	765	765	765	765	765	765	765	765
286+262	286+262	286×2	286×2	286×3	286×3	286+262×2	286+262×2	286×2+262	286×2+262	286×3	286×3
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
11.8×2	11.8×2	11.8×2	11.8×2	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3
5/8	5/8	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8
-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
-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
-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
17,431	18,897	20,254	21,702	22,672	24,138	25,477	26,943	28,282	29,748	31,105	32,553

32	34	36	38	40	42	44
						
AJY288GALHH	AJY306GALHH	AJY324GALHH	AJY342GALHH	AJY360GALHH	AJY378GALHH	AJY396GALHH
AJY126GALH AJYA90GALH AJYA72GALH	AJY126GALH AJYA90GALH AJYA90GALH	AJY126GALH AJY126GALH AJYA72GALH	AJY126GALH AJY126GALH AJYA90GALH	AJY144GALH AJY126GALH AJYA90GALH	AJY126GALH AJY126GALH AJY126GALH	AJY144GALH AJY126GALH AJY126GALH
48	51	54	57	60	64	64
45.2-135.6	48.0-144.0	51.2-153.6	54.0-162.0	56.5-169.5	60.0-180.0	62.5-187.5
3-phase 4 wire, 400 V, 50Hz						
90.4	96.0	102.4	108.0	113.0	120.0	125.0
101.5	108.0	115.0	121.5	126.5	135.0	140.0
23.90	25.56	28.13	29.79	32.06	34.02	36.29
23.93	25.56	27.50	29.13	31.00	32.70	34.57
3.78	3.76	3.64	3.63	3.52	3.53	3.44
4.24	4.23	4.18	4.17	4.08	4.13	4.05
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
63 / 84	64 / 85	64 / 85	64 / 86	65 / 86	65 / 86	65 / 86
64 / 86	65 / 87	65 / 87	65 / 87	65 / 87	66 / 88	66 / 88
80	80	80	80	80	80	80
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
40 + 25 + 20	40 + 25 + 25	40 + 40 + 20	40 + 40 + 25	40 + 40 + 25	40 + 40 + 40	40 + 40 + 40
1,690	1,690	1,690	1,690	1,690	1,690	1,690
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
765	765	765	765	765	765	765
286+262×2	286+262×2	286×2+262	286×2+262	286×2+262	286×3	286×3
R410A	R410A	R410A	R410A	R410A	R410A	R410A
11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3
3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8
1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8
-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21
21,999	22,563	24,822	25,386	26,834	28,209	29,657

*1: Minimum connectable indoor unit number is 2.

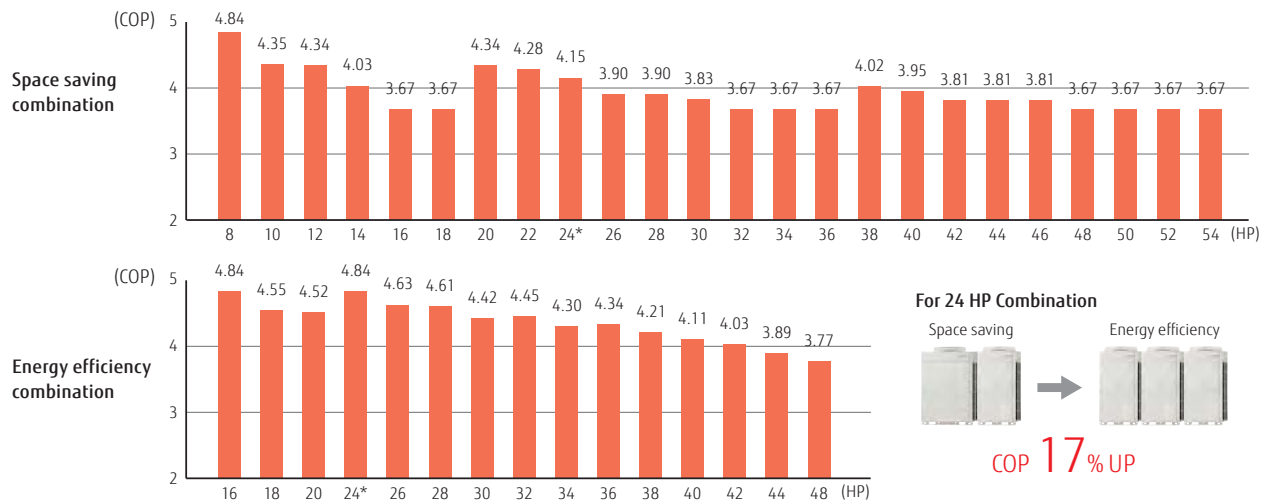
*2: The noise value is the value when measured in an anechoic room. When measured in the actual installed state, surrounding noise and reflections are received and the measured value is usually larger than the indicated value.

Heat Pump Modular Type

AIRSTAGE™ V-III

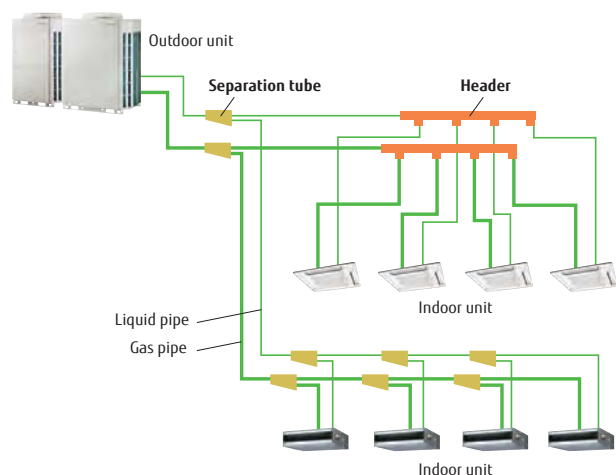
Efficiency in actual operation

Top class high COP is achieved for all combinations by our unique heat exchanger structure, high efficient DC twin compressor, and our own technologies.



System configuration example

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



8,10HP: AJY072LALBH / AJY090LALBH
12,14,16,18HP: AJY108LALBH / AJY126LALBH / AJY144LALBH / AJY162LALBH



8, 10 HP

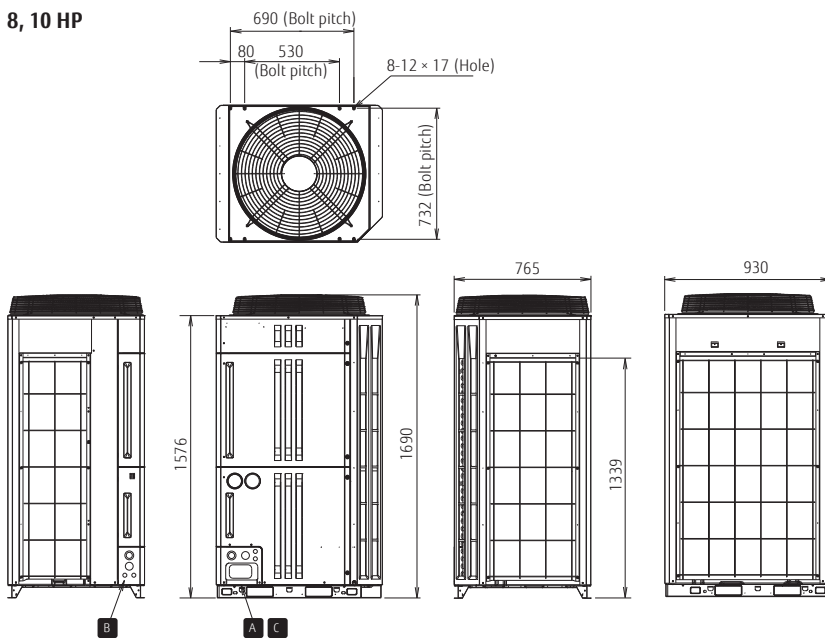


12, 14, 16, 18 HP

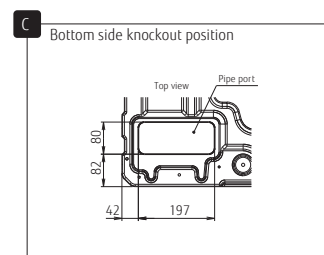
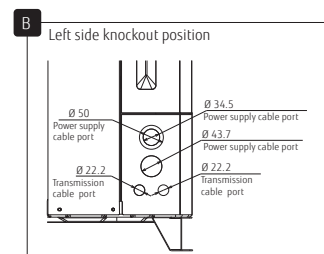
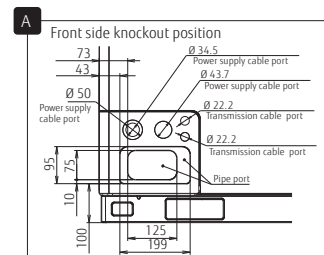
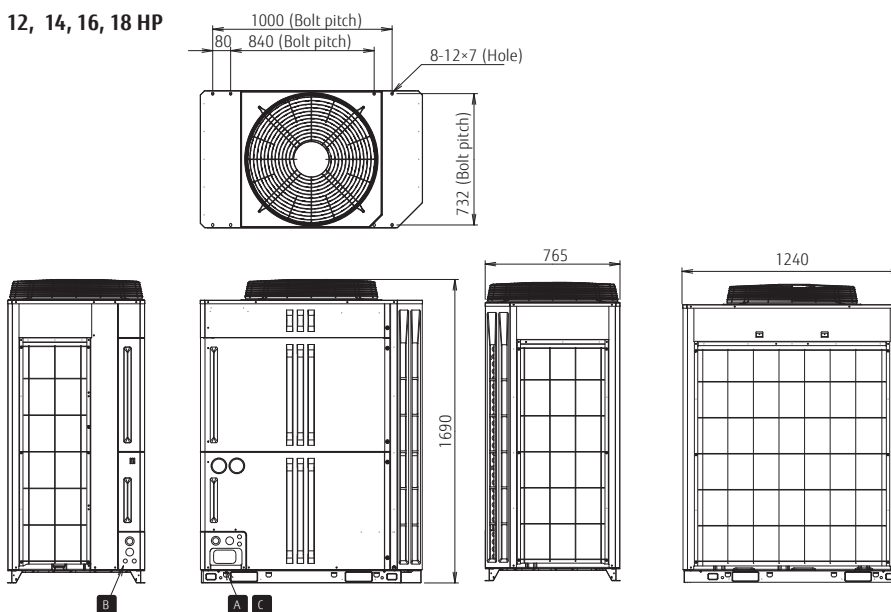
Dimensions

(Unit : mm)

8, 10 HP



12, 14, 16, 18 HP



PRODUCT LINEUP: VRF-AIRSTAGE™ V-Series

Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28
													
Set Model name			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH
Unit 1 Unit 2 Unit 3			AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY090LALBH AJY090LALBH	AJY126LALBH AJY072LALBH	AJY126LALBH AJY090LALBH	AJY144LALBH AJY090LALBH	AJY162LALBH AJY090LALBH
Maximum Connectable Indoor Unit* ¹			17	21	26	30	34	39	43	47	52	56	60
Indoor unit connectable capacity		kW	11.2-33.6	14.0-42.0	16.8-50.2	20.0-60.0	22.5-67.5	25.0-67.5	28.0-84.0	31.2-93.6	34.0-102.0	36.5-109.5	39.0-109.5
Power source			3-phase 4 wire, 400 V, 50Hz										
Capacity	Cooling	kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	62.4	68.0	73.0	78.0
	Heating		25.0	31.5	37.5	45.0	50.0	50.0	63.0	70.0	76.5	81.5	81.5
Input power	Cooling	kW	5.20	7.28	8.96	10.96	13.01	16.56	14.56	16.16	18.24	20.29	23.84
	Heating		5.17	7.25	8.65	11.17	13.63	13.63	14.50	16.34	18.42	20.88	20.88
EER/SEER (LOT21)	Cooling	W/W	4.31/5.95	3.85/5.86	3.74/6.22	3.65/6.50	3.46/6.33	3.02/5.77	3.85	3.86	3.73	3.60	3.27
COP/SCOP (LOT21)	Heating	W/W	4.84/3.97	4.35/3.76	4.34/3.56	4.03/4.14	3.67/4.06	3.67/3.56	4.34	4.28	4.15	3.90	3.90
Airflow rate	High	m ³ /h	11,100	11,100	13,000	13,000	13,700	13,700	11,100×2	13,000+11,100	13,000+11,100	13,000+11,100	13,700+11,100
Sound pressure level* ² / Power level	Cooling	dB(A)	56 / 77	58 / 79	57 / 78	60 / 81	62 / 83	63 / 84	61 / 82	61 / 82	62 / 83	63 / 84	64 / 85
	Heating		58 / 80	59 / 81	60 / 83	62 / 84	64 / 86	64 / 86	62 / 84	63 / 85	64 / 86	65 / 87	65 / 87
Maximum external static pressure		Pa	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	11.0	7.5×2	11.0+7.5	11.0+7.5	11.0+7.5	11.0+7.5
Minimum Recommended MCB		AMP	20	25	25	40	40	40	25 + 25	40 + 20	40 + 25	40 + 25	40 + 25
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
	Width		930	930	1,240	1,240	1,240	1,240	930×2	1,240+930	1,240+930	1,240+930	1,240+930
	Depth		765	765	765	765	765	765	765	765	765	765	765
Weight		kg	252	252	275	275	275	275	252×2	275+252	275+252	275+252	275+252
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge	kg	11.7	11.7	11.8	11.8	11.8	11.8	11.7×2	11.8+11.7	11.8+11.7	11.8+11.7	11.8+11.7
Connection pipe diameter	Liquid	Inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Gas		7/8	7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8
Operation range	Cooling	°CDB	-15 to 46	-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
	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
List Price		£	5,757	6,375	7,699	9,022	10,897	12,205	12,750	14,779	15,397	17,272	18,580

Energy Efficiency Combination

Rating Capacity range		HP	16	18	20	24	26	28	30
									
Set Model name			AJY144LALBHH	AJY162LALBHH	AJY180LALBHH	AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH
Unit 1 Unit 2 Unit 3			AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH	AJY108LALBH AJY072LALBH	AJY072LALBH AJY072LALBH AJY072LALBH	AJY090LALBH AJY072LALBH AJY072LALBH	AJY108LALBH AJY072LALBH AJY072LALBH	AJY126LALBH AJY072LALBH AJY072LALBH
Maximum Connectable Indoor Unit* ¹			34	39	43	52	56	60	64
Indoor unit connectable capacity		kW	22.4-67.2	25.2-75.6	28.0-83.8	33.6-100.8	36.4-109.2	39.2-117.4	42.4-127.2
Power source			3-phase 4 wire, 400 V, 50Hz						
Capacity	Cooling	kW	44.8	50.4	55.9	67.2	72.8	78.3	84.8
	Heating		50.0	56.5	62.5	75.0	81.5	87.5	95.0
Input power	Cooling	kW	10.40	12.48	14.16	15.60	17.68	19.36	21.36
	Heating		10.34	12.42	13.82	15.51	17.59	18.99	21.51
EER	Cooling	W/W	4.31	4.04	3.95	4.31	4.12	4.04	3.97
COP	Heating	W/W	4.84	4.55	4.52	4.84	4.63	4.61	4.42
Airflow rate	High	m ³ /h	11,100×2	11,100×2	13,000+11,100	11,100×3	11,000×3	13,000+11,100×2	13,000+11,100×2
Sound pressure level* ² / Power level	Cooling	dB(A)	59 / 80	60 / 81	60 / 81	61 / 82	62 / 83	61 / 82	63 / 84
	Heating		61 / 83	62 / 84	62 / 85	63 / 85	63 / 85	64 / 86	65 / 87
Maximum external static pressure		Pa	82	82	82	82	82	82	82
Compressor motor output		kW	7.5×2	7.5×2	11.0+7.5	7.5×3	7.5×3	11.0+7.5×2	11.0+7.5×2
Minimum Recommended MCB		AMP	20 + 20	25 + 20	40 + 20	20 + 20 + 20	25 + 20 + 20	40 + 20 + 20	40 + 20 + 20
Net Dimensions	Height	mm	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width		930×2	930×2	1,240+930	930×3	930×3	1,240+930×2	1,240+930×2
	Depth		765	765	765	765	765	765	765
Weight		kg	252×2	252×2	275+252	252×3	252×3	275+252×2	275+252×2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge	kg	11.7×2	11.7×2	11.8+11.7	11.7×3	11.7×3	11.8+11.7×2	11.8+11.7×2
Connection pipe diameter	Liquid	Inch	1/2	5/8	5/8	5/8	5/8	5/8	3/4
	Gas		1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8
Operation range	Cooling	°CDB	-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
List price		£	11,514	12,132	13,456	17,271	17,889	19,213	20,536

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 will be conducted at outdoor air temperature below -5°C,

the outdoor unit must be installed in a position that is higher than or equal to those of indoor units.

30	32	34	36	38	40	42	44	46	48	50	52	54
												
AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH
AJY144LALBH	AJY144LALBH	AJY162LALBH	AJY162LALBH	AJY162LALBH	AJY144LALBH	AJY144LALBH	AJY162LALBH	AJY162LALBH	AJY144LALBH	AJY162LALBH	AJY162LALBH	AJY162LALBH
AJY126LALBH	AJY144LALBH	AJY144LALBH	AJY162LALBH	AJY090LALBH	AJY126LALBH	AJY144LALBH	AJY144LALBH	AJY162LALBH	AJY144LALBH	AJY144LALBH	AJY144LALBH	AJY162LALBH
64	64	64	64	64	64	64	64	64	64	64	64	64
42.5-127.5	45.0-135.0	47.5-135.0	50.0-135.0	53.0-151.5	56.5-169.5	59.0-177.0	61.5-177.0	64.0-177.0	67.5-202.5	70.0-202.5	72.5-202.5	75.0-202.5

3-phase 4 wire, 400 V, 50Hz												
85.0	90.0	95.0	100.0	106.0	113.0	118.0	123.0	128.0	135.0	140.0	145.0	150.0
95.0	100.0	100.0	100.0	113.0	126.5	131.5	131.5	131.5	150.0	150.0	150.0	150.0
23.97	26.02	29.57	33.12	31.12	31.25	33.30	36.85	40.40	39.03	42.58	46.13	49.68
24.80	27.26	27.26	27.26	28.13	32.05	34.51	34.51	34.51	40.89	40.89	40.89	40.89
3.55	3.46	3.21	3.02	3.41	3.62	3.54	3.34	3.17	3.46	3.29	3.14	3.02
3.83	3.67	3.67	3.67	4.02	3.95	3.81	3.81	3.81	3.67	3.67	3.67	3.67
13,700+13,000	13,700×2	13,700×2	13,700×2	13,700+11,100×2	13,700+13,000+11,100	13,700+2+11,100	13,700+2+11,100	13,700+2+11,100	13,700×3	13,700×3	13,700×3	13,700×3
64 / 85	65 / 88	66 / 87	66 / 87	65 / 86	65 / 86	66 / 87	66 / 87	67 / 87	67 / 88	67 / 88	67 / 88	68 / 89
66 / 88	67 / 89	67 / 89	67 / 89	66 / 88	67 / 89	68 / 90	68 / 90	68 / 90	69 / 91	69 / 91	69 / 91	69 / 91
82	82	82	82	82	82	82	82	82	82	82	82	82
11.0×2	11.0×2	11.0×2	11.0×2	11.0×7.5×2	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×2+7.5	11.0×3	11.0×3	11.0×3	11.0×3
40 + 40	40 + 40	40 + 40	40 + 40	40 + 25 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 25	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40
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
1,240×2	1,240×2	1,240×2	1,240×2	1,240×930×2	1,240×2+930	1,240×2+930	1,240×2+930	1,240×2+930	1,240×3	1,240×3	1,240×3	1,240×3
765	765	765	765	765	765	765	765	765	765	765	765	765
275×2	275×2	275×2	275×2	275×252×2	275×2+252	275×2+252	275×2+252	275×2+252	275×3	275×3	275×3	275×3
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
11.8×2	11.8×2	11.8×2	11.8×2	11.8×11.7×2	11.8×2+11.7	11.8×2+11.7	11.8×2+11.7	11.8×2+11.7	11.8×3	11.8×3	11.8×3	11.8×3
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 3/8	1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8
-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
-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
19,919	21,794	23,102	24,410	24,955	26,294	28,169	29,477	30,785	32,691	33,999	25,307	36,615

32	34	36	38	40	42	44	46
							
AJY288LALBHH AJY108LALBH AJY072LALBH	AJY306LALBHH AJY126LALBH AJY072LALBH	AJY324LALBHH AJY108LALBH AJY108LALBH	AJY342LALBHH AJY126LALBH AJY108LALBH	AJY360LALBHH AJY126LALBH AJY108LALBH	AJY378LALBHH AJY126LALBH AJY126LALBH	AJY396LALBHH AJY144LALBH AJY126LALBH	AJY414LALBHH AJY144LALBH AJY126LALBH
64	64			64	64	64	64
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	65.0-195.0
3-phase 4 wire, 400 V, 50Hz							
89.4	95.9	100.5	107.0	113.5	120.0	125.0	130.0
100.0	107.5	112.5	120.0	127.5	135.0	140.0	145.0
23.12	25.12	26.88	28.88	30.88	32.88	34.93	36.98
22.47	24.99	25.95	28.47	30.99	33.51	35.97	38.43
3.87	3.82	3.74	3.70	3.68	3.65	3.58	3.52
4.45	4.30	4.34	4.21	4.11	4.03	3.89	3.77
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	13,700×2+13,000
61 / 82	63 / 84	63 / 83	64 / 84	64 / 85	65 / 88	66 / 87	66 / 87
64 / 87	65 / 88	65 / 88	65 / 88	66 / 88	67 / 89	68 / 90	68 / 90
82	82	82	82	82	82	82	82
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	11.0×3
40 + 40 + 20	40 + 40 + 20	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40	40 + 40 + 40
1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
1,240×2+930	1,240×2+930	1,240×3	1,240×3	1,240×3	1,240×3	1,240×3	1,240×3
765	765	765	765	765	765	765	765
275×2+252	275×2+252	275×3	275×3	275×3	275×3	275×3	275×3
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
11.8×2+11.7	11.8×2+11.7	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3	11.8×3
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 3/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8
-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46
-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21
21,155	22,478	23,097	24,420	25,743	27,066	28,941	30,816

*1 Minimum connectable indoor unit number is 2.

However ARXC72 and ARXC90 can be used single connection.

*2 The noise value is the value when measured in an anechoic room.

When measured in the actual installed state, surrounding noise and reflections are received and the measured value is usually larger than the indicated value.

PRODUCT LINEUP: VRF-INDOOR UNITS

VRF Indoor Unit Lineup

Capacity range (kW)		1.1	2.2	2.8	3.6	4.5	5.6
Model code		4	7	9	12	14	18
Cassette	 Compact Grid type / Standard type	 AUXB04GALH	 AUXB07GALH	 AUXB09GALH	 AUXB12GALH	 AUXB14GALH	 AUXB18GALH
	4-way Flow Slim type						 AUXD18GALH
	4-way Flow Large type						
	Circular Flow Large type						 AUXK018GLAH
Duct	Mini Duct (With drain pump)		 ARXK07GCLH	 ARXK09GCLH	 ARXK12GCLH		
	Slim Duct (With drain pump)	 ARXD04GALH*1	 ARXD07GALH	 ARXD09GALH	 ARXD12GALH	 ARXD14GALH	 ARXD18GALH
	Medium Static Pressure Duct						
	High Static Pressure Duct						
Floor	Floor (*Same as Ceiling models)				 ABYA12GATH	 ABYA14GATH	 ABYA18GATH
	Slim Concealed Floor (*Same as Slim Duct models)	 ARXD04GALH*1	 ARXD07GALH	 ARXD09GALH	 ARXD12GALH	 ARXD14GALH	 ARXD18GALH
	Compact Floor		 AGYA007GCAH	 AGYA009GCAH	 AGYA012GCAH	 AGYA014GCAH	
Ceiling					 ABYA12GATH	 ABYA14GATH	 ABYA18GATH
Wall Mounted	Wall Mounted	 ASYA04GACH	 ASYA07GACH	 ASYA09GACH	 ASYA12GACH	 ASYA14GACH	
	Wall Mounted (EEV external)	 ASYE04GACH	 ASYE07GACH	 ASYE09GACH	 ASYE12GACH	 ASYE14GACH	
	Wall Mounted	 ASYA004GTAH	 ASYA007GTAH	 ASYA009GTAH	 ASYA012GCAH	 ASYA014GCAH	 ASYA18GBCH

With this model, connection of EV Kit is necessary.

7.1 24	9.0 30	10.0 34	11.2 36	12.5 45	14.0 54	18.0 60	22.4 72	25.0 90	28.0 96
 AUXB24GALH									
 AUXD24GALH									
	 AUXA30GALH		 AUXA36GALH	 AUXA45GALH	 AUXA54GALH				
 AUXK024GLAH	 AUXK030GLAH		 AUXK036GLAH	 AUXK045GLAH	 AUXK054GLAH				
 ARXD24GALH									
 ARXA24GBLH	 ARXA30GBLH		 ARXA36GBLH	 ARXA45GBLH					
			 ARXC36GBTH	 ARXC45GATH		 ARXC60GATH*2	 ARXC72GBTH*2	 ARXC90GBTH*2	 ARXC96GATH*2
 ABYA24GATH									
 ARXD24GALH									
 ABYA24GATH	 ABYA30GATH		 ABYA36GATH	 ABYA45GATH	 ABYA54GATH				
 ASYA24GBCH	 ASYA030GTAH	 ASYA034GTAH							

*1: ARXD04GALH and AUXA18/24GALH cannot be connected to J-III L series. *2: ARXC60/72/90/96G can be connected to J-III L series only.
*3: Large Airflow Duct (Compact type) can be connected to J-III L series only. *4: Large Airflow Duct can be connected to V-III series and VR-II series.

NEW

Compact Cassette Grille

Compact & Comfort

Model:

AUXB04GALH / AUXB07GALH/
AUXB09GALH / AUXB12GALH/
AUXB14GALH / AUXB18GALH/
AUXB24GALH

Panel Model:

UTGUFYEW



Compact and stylish panel design

Compact and stylish panel design fits the grid type ceiling. It is a linear design suitable for grid shape of 600 mm × 600 mm grid ceiling.



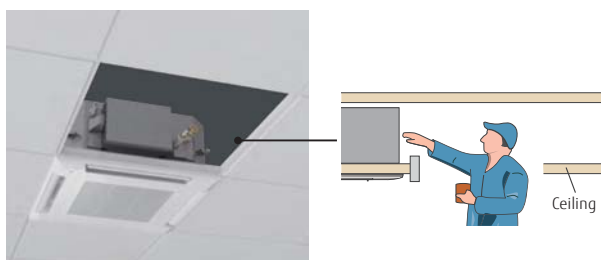
Flexible installation

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



Easy maintenance

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



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



NEW

Wall Mounted

Compact & Comfort

Model:
ASYA012GCAH / ASYA014GCAH
(EEV Internal)

High efficient compact design

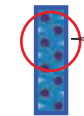
High efficient compact design is achieved by mounting a high density and large heat exchanger. Compact body makes it possible to install inconspicuously even in a meeting or office room and comfortable air conditioning is provided.

High density heat exchanger



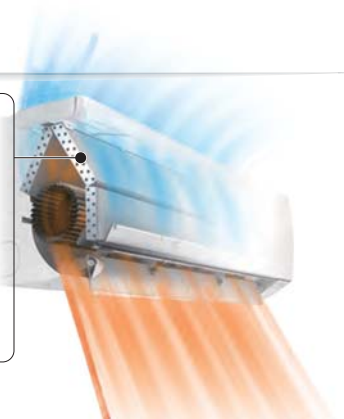
Making the tube thin:
7 mm → 5 mm

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



Even temperature

Improved heat exchanger effectiveness



More comfort airflow

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

Heating

Vertical airflow provides powerful floor level heating

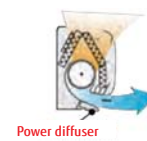


Power diffuser



Cooling

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



Power diffuser

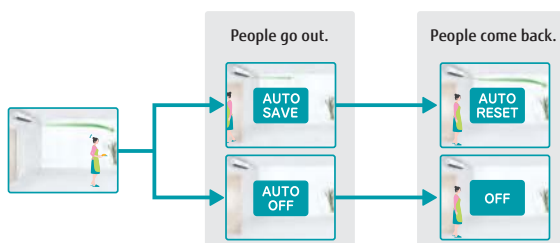


Human sensor increases more energy saving

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



Human sensor



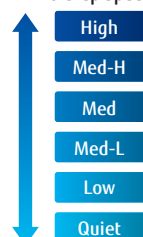
6 Fan Speed Control

Multistep airflow control is possible to suit the environment.

Fan speed
Quiet

Low noise
24 dB(A)

6-Step Speed



* Compatible Remote Controller is as follows:
UTY-RNRY22 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGY / UTY-DTGYZ1 / UTY-ALGX / UTY-APGX

SPLIT

MULTI SPLIT

VRF

OPTIONAL PARTS

VENTILATION

TRAINING

VRF Indoor Units Specifications



Compact Cassette



Model name			AUXB04GALH	AUXB07GALH	AUXB09GALH	AUXB12GALH	AUXB14GALH	AUXB18GALH	AUXB24GALH	
Power source			Single-phase, ~230V, 50Hz							
Capacity	UK Total Cooling	kW	0.80	1.60	2.10	2.70	3.30	4.20	5.30	
	UK Sensible Cooling		0.70	1.50	1.70	2.30	2.70	3.20	4.40	
	UK Heating		1.20	2.60	3.00	3.80	4.70	5.90	7.40	
	Nominal Cooling		1.10	2.20	2.80	3.60	4.50	5.60	7.10	
	Nominal Heating		1.30	2.80	3.20	4.10	5.00	6.30	8.00	
Input power		W	23	25	25	29	35	36	84	
Airflow rate	High	m³/h	530	540	550	600	680	710	1,030	
	Med		420/450*1	450	450	530	590	580	830	
	Low		300/350*1	350	350	390	390	400	450	
Sound pressure level	High	dB(A)	34	34	35	37	38	41	50	
	Med		28/30*1	30	30	34	34	35	44	
	Low		21/25*1	25	25	27	27	27	30	
Net Dimensions (H × W × D)		mm	245 × 570 × 570							
Weight		kg	15 (Grille 2.5/2.6)							
Connection pipe diameter	Liquid (Flare)	Inch	17 (Grille 2.5/2.6)							
	Gas (Flare)		3/8							
Cassette Grille			1/2							
Model name			UTGUFYEW / UTGUFYCW							
Net Dimensions (H×W×D)			49 × 620 × 620 / 50 × 700 × 700							
List price			£	909	909	925	948	1001	1040	1135

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].
*1: This value is under cooling operation.

4-way Cassette



Model name			AUXD18GALH	AUXD24GALH	AUXA30GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH
Power source			Single-phase, ~230V, 50Hz					
Capacity	UK Total Cooling	kW	4.20	5.30	6.70	8.30	9.30	10.40
	UK Sensible Cooling		3.90	4.80	6.00	7.10	7.70	8.40
	UK Heating		5.90	7.40	9.30	11.60	13.00	14.90
	Nominal Cooling		5.60	7.10	9.00	11.20	12.50	14.00
	Nominal Heating		6.30	8.00	10.00	12.50	14.00	16.00
Input power		W	39	46	59	80	99	119
Airflow rate	High	m³/h	1,150	1,280	1,600	1,800	1,900	2,000
	Med		940	1,040	1,300	1,300	1,370	1,370
	Low		870	870	1,100	1,100	1,100	1,100
Sound pressure level	High	dB(A)	36	38	40	44	46	47
	Med		30	33	38	38	39	39
	Low		29	29	33	33	33	33
Net Dimensions (H × W × D)		mm	246 × 840 × 840 (Grille 50 × 950 × 950)			288 × 840 × 840 (Grille 50 × 950 × 950)		
Weight		kg	22 (Grille 5.5)			27 (Grille 5.5)		
Connection pipe diameter		Inch	5/8			3/8		
	Liquid (Flare)							
	Gas (Flare)		3/4					
Cassette Grille	Model name		UTGUGYAW					
List Price		£	989	1061	1126	1285	1365	1439

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].

Circular Flow Cassette



Model name			AUXK018GLAH	AUXK024GLAH	AUXK030GLAH	AUXK036GLAH	AUXK045GLAH	AUXK054GLAH	
Power source			Single-phase, ~230V, 50Hz						
Capacity	UK Total Cooling	kW	4.20	5.30	6.70	8.30	9.30	10.40	
	UK Sensible Cooling		3.30	4.40	5.30	6.70	7.60	8.70	
	UK Heating		5.90	7.40	9.30	11.60	13.00	14.90	
	Nominal Cooling		5.60	7.10	9.00	11.20	12.50	14.00	
	Nominal Heating		6.30	8.00	10.00	12.50	14.00	16.00	
Input power		W	40	40	47	61	89	116	
Airflow rate	High	m³/h	1,420	1,420	1,440	1,620	1,820	2,040	
	Med-H		1,360	1,360	1,440	1,500	1,590	1,800	
	Med		1,300	1,300	1,340	1,400	1,500	1,590	
	Med-L		1,270	1,270	1,300	1,340	1,400	1,440	
	Low		1,200	1,200	1,280	1,280	1,300	1,300	
Sound pressure level	Quiet	dB(A)	1,150	1,150	1,150	1,150	1,150	1,150	
	High		38	38	39	41	44	47	
	Med-H		37	37	38	40	42	45	
	Med		36	36	37	38	40	42	
	Med-L		35	35	36	37	38	39	
	Low		34	34	35	36	36	36	
	Quiet		33	33	33	33	33	33	
Net Dimensions (H × W × D)		mm	288 x 840 x 840 (Grille 53 x 950 x 950)						
Weight		kq	26.5 (Grille 6.0)		29.5 (Grille 6.0)				
Connection pipe diameter	Liquid (Flare)	Inch	1/4		3/8				
	Gas (Flare)		1/2		5/8				
Cassette Grille	Model name		UTGUKYCW						
List Price			£	1096	1162	1253	1492	1588	1592

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].
When AUXK018GLAH is connected to the outdoor unit other than J-III, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas)
When AUXK036GLAH, AUXK045GLAH, and AUXK054GLAH are connected to the outdoor unit other than J-III, gas pipe diameter should be Ø19.05.

PRODUCT LINEUP: VRF

VRF Indoor Units Specifications

Bulkhead Duct



Model name			ARXK07GCLH	ARXK09GCLH	ARXK12GCLH
Power source			Single-phase, ~230V, 50Hz		
Capacity	UK Total Cooling	kW	1.60	2.10	2.70
	UK Sensible Cooling		1.50	1.80	2.30
	UK Heating		2.60	3.00	3.70
	Nominal Cooling		2.20	2.80	3.60
	Nominal Heating		2.80	3.20	4.00
Input power		W	28	28	35
Airflow rate	High	m³/h	460	460	550
	Med		420	420	480
	Low		370	370	410
Static pressure range		Pa	0 to 30		
Standard static pressure			10		
Sound pressure level	High	dB(A)	26	26	29
	Med		24	24	26
	Low		22	22	24
Net Dimensions (H × W × D)		mm	198 × 700 × 450		
Weight		kg	15.5		
Connection pipe diameter	Liquid (Flare)	Inch	1/4		
	Gas (Flare)		1/2		
List Price		£	641	656	746

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].

Slim Duct / Slim Concealed Floor



Model name			ARXD04GALH	ARXD07GALH	ARXD09GALH	ARXD12GALH	ARXD14GALH	ARXD18GALH	ARXD24GALH
Power source			Single-phase, ~230V, 50Hz						
Capacity	UK Total Cooling	kW	0.80	1.60	2.10	2.70	3.30	4.20	5.30
	UK Sensible Cooling		0.70	1.50	1.80	2.30	2.90	3.50	4.90
	UK Heating		1.20	2.60	3.00	3.70	4.70	5.90	7.40
	Nominal Cooling		1.10	2.20	2.80	3.60	4.50	5.60	7.10
	Nominal Heating		1.30	2.80	3.20	4.00	5.00	6.30	8.00
Input power		W	40	44	50	54	92	83	122
Airflow rate	High	m³/h	510	550	600	600	800	940	1,330
	Med		400/470*1	490	550	510	710	840	1,240
	Low		320/440*1	440	480	450	610	750	1,100
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	
Sound pressure level	High	dB(A)	26	28	29	30	34	34	35
	Med		21/25*1	25	26	27	32	32	32
	Low		20/22*1	22	24	24	28	28	29
Net Dimensions (H × W × D)		mm	198 × 700 × 620					198 × 900 × 620	198 × 1,100 × 620
Weight		kg	17			18		22	26
Connection pipe diameter	Liquid (Flare)	Inch	1/4			3/8			
	Gas (Flare)		1/2			5/8			
List Price		£	674	674	691	785	828	879	918

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
 Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
 Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].
 *1: This value is under cooling operation.

Medium Static Pressure Duct



Model name			ARXA24GBLH	ARXA30GBLH	ARXA36GBLH	ARXA45GBLH
Power source			Single-phase, ~230V, 50Hz			
Capacity	UK Total Cooling	kW	5.30	6.70	8.30	9.30
	UK Sensible Cooling		4.70	5.60	7.00	7.90
	UK Heating		7.40	9.30	11.60	13.00
	Nominal Cooling		7.10	9.00	11.20	12.50
	Nominal Heating		8.00	10.00	12.50	14.00
Input power		W	94	108	194	240
Airflow rate	High	m³/h	1,280	1,410	1,840	1,970
	Med		990	1,280	1,600	1,860
	Low		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		27	32	35	38
	Low		23	29	33	36
Net Dimensions (H × W × D)		mm	270 × 1,135 × 700			
Weight		kg	36	40		
Connection pipe diameter	Liquid (Flare)	Inch	3/8			
	Gas (Flare)		5/8			
List Price		£	876	999	1125	1251

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].

High Static Pressure Duct



Model name			ARXC36GBTH	ARXC45GATH	ARXC60GATH*	ARXC72GBTH	ARXC90GATH	ARXC96GATH
Power source			Single-phase, ~230V, 50Hz					
Capacity	UK Total Cooling	kW	8.3	9.3	13.4	16.6	18.6	20.8
	UK Sensible Cooling		7.4	9.2	12.2	15.1	15.6	16.7
	UK Heating		11.6	13.0	18.6	23.3	26.0	29.3
	Nominal Cooling		11.2	12.5	18.0	22.4	25.0	28.0
	Nominal 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	m³/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			450 × 1,587 × 700		550 × 1,587 × 700
Weight		kg	40	46		84		105
Connection pipe diameter	Liquid	inch	3/8 (Flare)			1/2 (Brazing)		
	Gas		3/4 (Flare)			7/8 (Brazing)		
List Price		£	1324	1500	1650	1815	1957	2116

Note : Specifications are based on the following conditions.

Nominal Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
 Nominal 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].

Floor/Ceiling



Model name			ABYA12GATH	ABYA14GATH	ABYA18GATH	ABYA24GATH
Power source			Single-phase, ~230V, 50Hz			
Capacity	UK Total Cooling	kW	2.70	3.30	4.20	5.30
	UK Sensible Cooling		2.40	3.00	3.80	4.20
	UK Heating		3.70	4.70	5.90	7.40
	Nominal Cooling		3.60	4.50	5.60	7.10
	Nominal Heating		4.00	5.00	6.30	8.00
Input power		W	30	42	74	99
Airflow rate	High	m³/h	660	780	1,000	1,000
	Med		570	640	720	820
	Low		490	550	580	680
Sound pressure level	High	dB(A)	36	40	46	47
	Med		32	36	39	42
	Low		28	34	35	37
Net Dimensions (H × W × D)		mm	199 × 990 × 655			
Weight		kg	25	26	26	27
Connection pipe diameter	Liquid (Flare)	Inch	1/4		3/8	
	Gas (Flare)		1/2		5/8	
List Price		£	880	921	978	1020

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].

Ceiling



Model name			ABYA30GATH	ABYA36GATH	ABYA45GATH	ABYA54GATH
Power source			Single-phase, ~230V, 50Hz			
Capacity	UK Total Cooling	kW	6.70	8.30	9.30	10.40
	UK Sensible Cooling		6.10	6.90	7.90	8.90
	UK Heating		9.30	11.60	13.00	14.90
	Nominal Cooling		9.00	11.20	12.50	14.00
	Nominal Heating		10.00	12.50	14.00	16.00
Input power		W	66	85	131	180
Airflow rate	High	m³/h	1,630	1,690	2,010	2,270
	Med		1,370	1,400	1,600	1,780
	Low		1,140	1,170	1,230	1,280
Sound pressure level	High	dB(A)	42	45	48	51
	Med		38	38	42	45
	Low		33	34	35	36
Net Dimensions (H × W × D)		mm	240 × 1,660 × 700			
Weight		kg	46	48		
Connection pipe diameter	Liquid (Flare)	Inch	3/8	3/8		
	Gas (Flare)		5/8	3/4		
List Price		£	1141	1259	1907	2552

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].

PRODUCT LINEUP: VRF

VRF Indoor Units Specifications



Compact Floor

Model name			AGYA007GCAH	AGYA009GCAH	AGYA012GCAH	AGYA014GCAH	
Power source			Single-phase, ~230V, 50Hz				
Capacity	UK Total Cooling	kW	1.60	2.10	2.70	3.00	
	UK Sensible Cooling		1.40	1.70	2.30	2.50	
	UK Heating		2.60	3.00	3.70	4.20	
	Nominal Cooling		2.20	2.80	3.60	4.00	
	Nominal Heating		2.80	3.20	4.00	4.50	
Input power		W	16	17	22	29	
Airflow rate	High	m³/h	470	500	590	670	
	Med-H		420	450	520	590	
	Med		390	400	470	520	
	Med-L		360	360	420	450	
	Low		330	330	390	390	
	Quiet		270	270	340	340	
Sound pressure level	High	dB(A)	37	38	42	46	
	Med-H		35	36	39	42	
	Med		33	34	37	39	
	Med-L		31	31	35	36	
	Low		29	29	33	33	
	Quiet		22	22	30	30	
Net Dimensions (H × W × D)		mm	600 x 740 x 200				
Weight		kg	15				
Connection pipe diameter	Liquid (Flare)	Inch	1/4				
	Gas (Flare)		1/2				
List Price			£	525	555	636	728

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].
 When AGY*004GCAH, AGY*007GCAH, and AGY*009GCAH are connected to the outdoor unit other than J-III-L, gas pipe diameter should be Ø12.70.

Wall Mounted



Model name			ASYA04GACH	ASYA07GACH	ASYA09GACH	ASYA12GACH	ASYA14GACH	ASYE04GACH	ASYE07GACH	ASYE09GACH	ASYE12GACH	ASYE14GACH
Power source			Single-phase, ~230V, 50Hz									
Capacity	UK Total Cooling	kW	0.80	1.60	2.10	2.70	3.30	0.80	1.60	2.10	2.70	3.30
	UK Sensible Cooling		0.70	1.60	1.90	2.30	2.80	0.70	1.60	1.90	2.30	2.80
	UK Heating		1.20	2.60	3.00	3.80	4.70	1.20	2.60	3.00	3.80	4.70
	Nominal Cooling		1.10	2.20	2.80	3.60	4.50	1.10	2.20	2.80	3.60	4.50
	Nominal Heating		1.30	2.80	3.20	4.10	5.00	1.30	2.80	3.20	4.10	5.00
Input power		W	13	17	18	22	34	12	15	16	21	34
Airflow rate	High	m³/h	450	490	500	560	670	450	490	500	560	680
	Med		370(440 hgt/cdg*1)	450	450	480	490	370(440 hgt/cdg*1)	450	450	480	490
	Low		320(420 hgt/cdg*1)	370(420 hgt/cdg*1)	370(420 hgt/cdg*1)	420	420	300(420 hgt/cdg*1)	370(420 hgt/cdg*1)	370(420 hgt/cdg*1)	420	420
	Quiet		33	35	36	39	44	32	34	35	38	43
Sound pressure level	High	dB(A)	27(32 hgt/cdg*1)	33	33	35	37	26(31 hgt/cdg*1)	32	32	34	35
	Med		22(31 hgt/cdg*1)	27(31 hgt/cdg*1)	27(31 hgt/cdg*1)	31	32	19(30 hgt/cdg*1)	26(30 hgt/cdg*1)	26(30 hgt/cdg*1)	30	30
	Low											
Net Dimensions (H × W × D)		mm	275 x 790 x 215					275 x 790 x 215				
Weight		kg	9					9				
Connection pipe diameter	Liquid (Flare)	Inch	1/4					1/4				
	Gas (Flare)		1/2					1/2				
EV Kit (option)			-					UTREV09XB				
List price			£ 546	546	557	572	593	576	576	588	603	625

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

Wall Mounted



Model name			ASYA007GTAH	ASYA009GTAH	ASYA18GBCH	ASYA24GBCH	ASYA030GTAH	ASYA034GTAH	
Power source			Single-phase, ~230V, 50Hz						
Capacity	UK Total Cooling	kW	1.60	2.10	4.20	5.30	6.70	7.40	
	UK Sensible Cooling		1.60	1.90	3.90	4.80	5.70	6.50	
	UK Heating		2.60	3.00	5.90	7.40	9.30	10.40	
	Nominal Cooling		2.20	2.80	5.60	7.10	9.00	10.00	
	Nominal Heating		2.80	3.20	6.30	8.00	10.00	11.20	
Input power		W	19	34	32	60	74	103	
Airflow rate	High	m³/h	550	720	840	1,100	1,440	1,620 / 1,520	
	Med-H		460	570	-	-	1,200	1,300	
	Med		420	500	770	910	1,050	1,120	
	Med-L		390	410	-	-	940	980	
	Low		360	360	690	730	890	890	
	Quiet		330	330	-	-	700	700	
Sound pressure level	High	dB(A)	35	43	41	48	53	55 / 54	
	Med-H		32	38	-	-	49	51	
	Med		30	34	39	43	45	47	
	Med-L		27	29	-	-	42	43	
	Low		24	24	35	35	39	39	
	Quiet		22	22	-	-	33	33	
Net Dimensions (H × W × D)		mm	262 x 820 x 206		320 x 998 x 238		340 x 1,150 x 280		
Weight		kg	7.5		15		18		
Connection pipe diameter	Liquid (Flare)	Inch	1/4				3/8		
	Gas (Flare)		3/8		5/8				
List price			£	572	583	647	707	772	873

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].
 When ASY*004GTAH, ASY*007GTAH, ASY*009GTAH are connected to the outdoor unit other than J-III-L, gas pipe diameter should be Ø12.70.

Wall Mounted

NEW



Model name			ASYA012GCAH	ASYA014GCAH
Power source			Single-phase, ~230V, 50Hz	
Capacity	UK Total Cooling		2.70	3.00
	UK Sensible Cooling		2.30	2.70
	UK Heating		3.70	4.20
	Nominal Cooling		3.60	4.00
	Nominal Heating		4.00	4.50
Input power		W	25	36
Airflow rate	High		690	800
	Med-H		610	740
	Med		560	680
	Med-L		530	610
	Low		470	550
	Quiet		330	330
Sound pressure level	High		40	44
	Med-H		37	42
	Med		35	40
	Med-L		33	37
	Low		30	34
	Quiet		24	24
Net Dimensions (H × W × D)		mm	268 × 840 × 203	
Weight		kg	8.5	8.5
Connection pipe diameter	Liquid (Flare)	mm	6.35	
	Gas (Flare)	mm	9.52	
List Price			599	624

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].

Linwood now offer an extensive range of plenum boxes to suit the Fujitsu General Air Conditioning UK range of ducted air conditioning indoor units

Installing air conditioning ducted fan coil units (FCU's) just got easier with these purpose made plenum boxes designed to save you time and money when fitting VRF or split air conditioning systems

Easy to use online ordering & live order processing via

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PRODUCT LINEUP

CONTROL SYSTEM & OPTIONAL PARTS



CONTROL SYSTEM

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SPLIT



MULTI SPLIT



SMALL VRF



LARGE VRF

CONTROL SYSTEM OVERVIEW

for SPLIT & MULTI SPLIT

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

Air Conditioning Individual Control



Wired Remote Controller
The room temperature can be controlled by detecting the temperature accurately from the built-in sensor

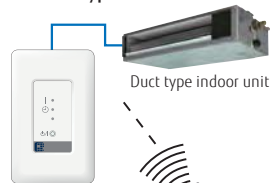


Wireless Remote Controller
Simple and sophisticated operations with a choice of 4 daily timers



Simple Remote Controller
Compact remote controller provides access to basic functions

For Duct type



IR Receiver Unit

Wireless Remote Controller included with

For Cassette type

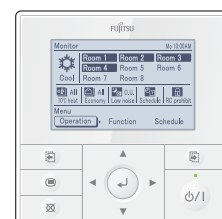


IR Receiver Unit

Necessary to control for all duct type by Wireless Remote Controller



Air Conditioning Centralised Control



Central Remote Controller For 5 & 6 Rooms Multi

Central Remote Controller allows individual and central control



Convertor/Adaptor For external device

MODBUS® Convertor
For indoor unit
UTYVMSX



MODBUS® Interface
FJRCMBS1



KNX® Convertor
For indoor unit
UTYVKSX



KNX® Interface
FJRCKNX1i



Online Control (Adopting Wireless LAN Interface)

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



Wireless LAN Interface

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



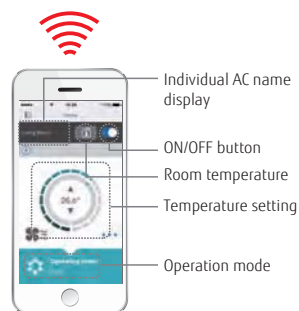
FGLair™

Download Free



User friendly app

User friendly screen display facilitates easy operation.



CONTROL SYSTEM OVERVIEW for VRF

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

Air Conditioning Individual Control



Wired Remote Controller (Touch panel)
UTYRNRYZ2



Wired Remote Controller
UTYRLRY



Simple Remote Controller
UTYRSRY
UTYRHRY
Without operation mode



Wireless Remote Controller
UTYLNHY



For Duct



For Cassette

IR Receiver Unit
UTBYWC For Duct type
UTYLRHYB1 For Cassette type

Air Conditioning Centralised Control



System Controller (Software)
UTYAPGXZ1/UTYALGXZ1 (Lite edition)

USB Adaptor*1
(Locally purchased)



Remote/
Monitoring side



Max.
Controllable
1600^{*2}
indoor units

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



Touch Panel Controller
UTYDTGYZ1



Remote/
Monitoring side



Max.
Controllable
400
indoor units



Central Remote Controller
UTYDCGY

Max.
Controllable
100
indoor units



Group Remote Controller
UTYCGGY

Max.
Controllable
8
Remote
Controller
Groups



Network Converter (For Group Remote Controller)
UTYVGGXZ1





Convertor/Adaptor For external device

BACnet® Gateway
UTYABGXZ1 **Software**



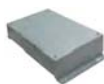
BACnet® Gateway
UTYVBGX **Hardware**



Network Converter
(For LONWORKS®)
UTYVLGX



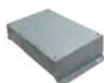
MODBUS® Convertor
UTYVMGX



MODBUS® Interface
FJRCMBS1



KNX® Convertor For VRF
UTYVKGX



KNX® Interface
FJRCKNX1i



Wireless LAN Interface
FJRCWIF11



External Switch Controller
UTYTERX

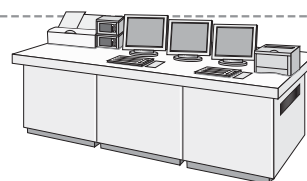


Card-key
(Locally purchased)

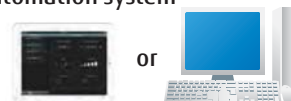


Internet device

BMS/BAS^{*3}



BMS^{*3}, Home automation system



or

^{*3}: BMS/BAS: Building Management System/Building Automation System

Convertor/Adaptor For system expansion

Network Converter
(DC power supply)
UTYVTGX



Network Converter
(AC power supply)
UTYVTGXV



Signal Amplifier
UTYVSGXZ1



Comparison Table of Controllers

Item							
		Wired Remote Controller (Touch panel)	Wired Remote Controller	Wired Remote Controller	Simple Remote Controller	Simple Remote Controller	Simple Remote Controller*1
Model name		UTY-RNRYZ2	UTY-RLRY	UTY-RVNYM	UTY-RSNYM	UTY-RSRY	UTY-RHRY
Max. controllable remote controller groups		1	1	1	1	1	1
Max. controllable indoor units		16	16	16	16	16	16
Max. controllable groups		—	—	—	—	—	—
Air conditioning control function	On / Off	●	●	●	●	●	●
	Operation mode setting	●	●	●	●	●	—
	Fan speed setting	●	●	●	●	●	●
	Room temp. setting	●	●	●	●	●	●
	Room temp. set point limitation	●	●	●	—	●	●
	Test operation	●	●	●	●	●	●
	Up/down air direction flap setting	●	●	●	—	●	●
	Right/left air direction flap setting	●	●	●	—	—	—
	Individual louvre control	●	—	—	—	—	—
	Group setting	—	—	—	—	—	—
	RC prohibition	—	—	—	—	—	—
	Anti freeze setting	●	—	—	—	—	—
	Set temp. auto return	●	●	●	—	—	—
	Economy mode setting	●	●	●	—	—	—
	Human sensor control	●	—	—	—	—	—
Display	Error	●	●	●	●	●	●
	Defrosting	●	●	●	●	●	●
	Current time	●	●	●	—	—	—
	Day of week	●	●	●	—	—	—
	R.C. prohibition	●	●	●	●	●	●
	Cooling/heating priority	●	●	—	●	●	●
	Address display	●	●	●	●	●	●
	Room temp	●	—	●	—	●	●
	Multi language	●	—	●	—	—	—
	Summer time	●	—	●	—	—	—
	Name registration	●	—	—	—	—	—
	Backlight	●	—	●	●	●	●
	2D floor layout / 3D building display	—	—	—	—	—	—
	Refrigerant leakage detection function	—	—	—	—	—	—
Timer	Schedule timer	Period	Week	Week	Week	—	—
		On/off, Temp, Mode, Times per day	8	4	8	—	—
	On/off timer		●	●	●	—	—
	Sleep timer		—	—	—	—	—
	Program timer		—	—	—	—	—
	Auto off timer		●	●	●	—	—
	Day off		●	●	●	—	—
	Min. unit of timer setting (Minutes)		10 • 30	30	30	—	—
Control	Status monitoring system		—	—	—	—	—
	Electricity charge apportionment		—	—	—	—	—
	Error history		●	●	●	—	—
	Emergency stop		—	—	—	—	—
	Remote management		—	—	—	—	—
	Energy saving management		—	—	—	—	—
	E-mail notification for malfunction		—	—	—	—	—
	Key lock	● Child lock	● Child lock	● Child lock	—	—	—
	Low noise mode		—	—	—	—	—

						
Wireless Remote Controller	Central Remote Controller (For 5 & 6 rooms Multi)	Group Remote Controller	Central Remote Controller	Touch Panel Controller	System Controller Lite (Software)	System Controller (Software)
UTY-LNHY	UTY-DMMYM	UTY-CGGY	UTY-DCGY	UTY-DTGYZ1	UTY-ALGXZ1	UTY-APGXZ1
1	1	8	100	400	400	1600
16	8	128	100	400	400	1600
—	—	—	16	400	400	1600
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
—	—	—	●	●	●	●
●	—	—	●	●	—	—
●	—	—	●	●	●	●
●	—	—	●	●	●	●
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—	●	—	●	●	●	●
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—	—	—	—	●	—	—
●	●	—	●	●	●	●
—	●	—	—	●	●	●
—	●	●	●	●	●	●
—	—	—	●	●	●	●
●	●	●	●	●	●	●
—	—	●	—	●	●	●
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—	—	●	●	●	●	●
—	—	—	—	●	—	—
—	●	—	●	●	●	●
—	●	—	●	●	●	●
—	—	—	●	●	●	●
—	●	—	●	●	—	—
—	—	—	—	—	—	●
—	—	—	—	●	●	●
—	Week	Week	Week	Year	Year	Year
—	4	4	20	20	144	144
●	—	—	—	—	—	—
●	—	—	—	—	—	—
●	—	—	—	—	—	—
—	—	—	—	●	—	—
—	●	—	●	●	●	●
5	5	10	10	10	10	10
—	—	—	●	●	●	●
—	—	—	—	○	○	●
—	—	●	●	●	●	●
—	—	—	●*2	●*2	—	—
—	—	—	—	●	○	●
—	—	—	—	—	○	○
—	—	—	—	●	●	●
—	●	●	●	●	●	●
—	●	—	—	●	—	—

*1 "Operation mode" setting is not available for this model. *2 This function is available only through external input control. ●: Supported ○: Optional function —: Not supported yet

External Input and Output Table

SPLITS/MULTI

External Control	Input			Output			
	Start / Stop	Peak Cut	Low Noise	Op Status	Error Status	Fresh Air	Aux Heater
WALL MOUNT							
Compact							
ASYG07-14KGT*6	2			2	2		
ASYG07-14KMTA*5	2			2	2		
ASYG09-12LTCA*1	2			2	2		
ASYG07-14LUCA*1	2			2	2		
ASYG07-14LMCE*2	2			2	2		
Large							
ASYG18LFCA	1			1/7*A	7*A		
ASYG24LFCC	1			1/7*A	7*A		
ASYG30-36LMTA*3	1			1	1		
DUCT							
Slim							
ARYG07-14LLTA	3			3/7	7	3	3
ARYG12-18LLTB	3			3/7	7	3	3
Bulkhead							
ARYG12-18SLAP	PCB Terminal			6	6		6
Medium Static							
ARYG12-54LHTBP*4	6			6	6		6
ARYG24-45LMLA	3			3/7	7	3	
ARYG30-36LMLE	3			3/7	7	3	
High Static							
ARYG45-60LHTA	3			3/7	7	3	3
ARYG72-90LHTA	PCB Terminal			6	6		6
CASSETTE							
Compact							
AUYG07-09LVLA	1			1/7	7	3/*B	
AUYG12-18LVLB	1			1/7	7	3/*B	
AUYG24LVLA	1			1/7	7	3/*B	
Circular Flow							
AUXG18-54LRLB*4	6			6	6		6
4 Way Flow							
AUYG30-36LRLE	1			1/7	7	3/*C	
FLOOR							
AGYG09-14LVCA	1			1/7	7		
FLOOR/CEILING							
ABYG14LVTA	1			1/7	7		
ABYG18LVTB	1			1/7	7		
ABYG24LVTA	1			1/7	7		
CEILING							
ABYG30-36LRTE	1			1/7	7	3	
ABYG36-54LRTA	1			1/7	7	3	
SINGLE PHASE OUTDOOR							
Split							
AOYG45-54LETL		5	5	5	5		
Multi							
AOYG36-54LBTB		5	5	5	5		
3 PHASE OUTDOOR							
Split							
AOYG36-60LATT		4	4	4	4		
AOYG72-90LRLA		5	5	5	5		
Multi							
AOYG36-54LATT		4	4	4	4		
AOYG72-90LRLA		5	5	5	5		

*1 UTY-TWBXF Communication Kit required

*2 UTY-XCBXZ2 Communication Kit required

*3 UTY-XCSXZ1 Required for more than 1 input or output

*4 UTY-XCSX Required for more than 1 input or output

*5 UTY-TWBX2 Communication Kit required

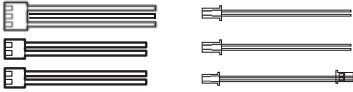
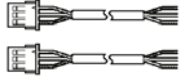
*6 UTY-XCSXZ2 Communication Kit required

*A Part 9705932012 required

*B Cable included with UTZ-VXAA

*C Cable included with UTZ-VXGA

Communication system For SPLIT/MULTI SPLIT

External Connect Kit		External Control Set		External Connect Kit	
For Indoor Unit 1=UTYXWZX £9	For Indoor Unit 2=UTYXWZXZ5 £9	For Indoor Unit 3=UTDESSA £14		For Outdoor unit 4=UTYXWZXZ2 £19	For Outdoor unit 5=UTYXWZXZ3 £9
					
External Connect Kit		Error Output Adaptor		Wired Remote Connector	
For Indoor unit 6=UTYXWZXZG £8	7=UTIERRW £114	9705932012 £15			
	 9705932012 For use with all AS and AG models when using Intesis range and Network converter BMS options	 For use with all AS and AG models when using Intesis range, Network converter, BMS options and Wired remotes.			



Max. Controllable
16 indoor units

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

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

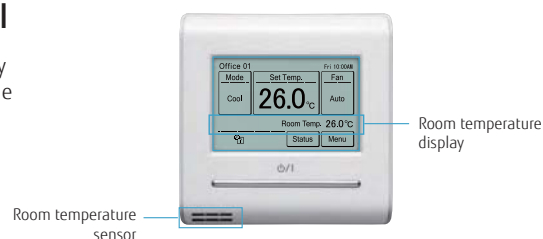
High performance and compact size

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



Accurate and comfortable control

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



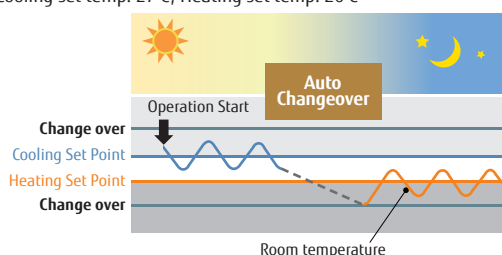
Various energy saving control

Custom Auto

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

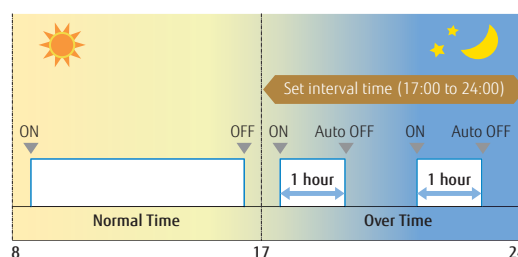
* This function is not available for some models.

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



Auto OFF timer

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



2 schedules Weekly Timer

Set Temperature Auto Return

Set Temperature Upper and Lower Limit Setting

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

Specifications

Model name	UTYRNRYZ2	
Power Source	DC 12 V	
Dimensions (H × W × D) (mm)	120 × 120 × 20.4	
Weight (g)	220	
List Price	£	161

DC 12 V is supplied by the indoor unit.

Wired Remote Controller

UTYRVNYM

SPLITS/MULTI/VRF

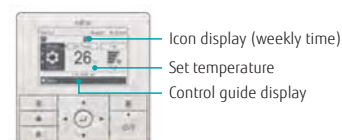


Hi-grade individual control using various functions.

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

High visibility and Easy operation

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



Max. Controllable
16 indoor units

High performance and compact size

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



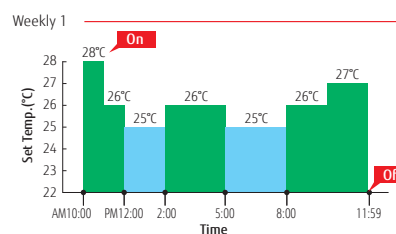
Various energy saving control

Weekly Timer function

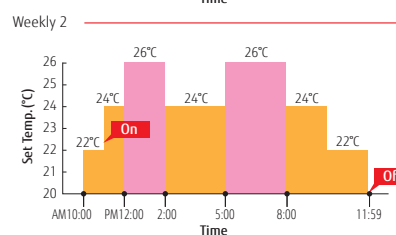
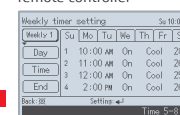
- Can be set up to 8 times per day (On/Off, mode, Temp)
- 2 pattern settings (i.e. Summer/Winter setting) are available.

Auto OFF Timer

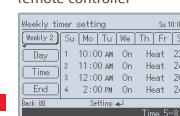
- Set Temperature Auto Return
- Set Temperature Upper and Lower Limit Setting



Setting menu in remote controller



Setting menu in remote controller



Specifications

Model name	UTYRVNYM	
Power Source	DC 12 V	
Dimensions (H × W × D) (mm)	120 × 120 × 21.3	
Weight (g)	220	
List Price	£	104

DC 12 V is supplied by the indoor unit.

Simple Remote Controller

UTYRSRY / UTYRHY (Without operation mode)

SPLITS/MULTI/VRF



Without
operation mode

Compact remote controller provides access to basic functions

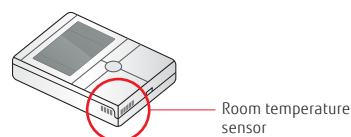
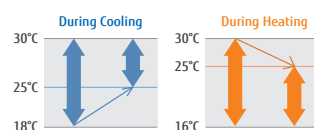
- Up to 16 indoor units can be controlled with one remote controller.
- Suitable for hotels or offices as it is easily operated with no complex functions.
- Stylish design: Simple design to match the stylish interior.
- Large LCD screen & simple operation buttons
- Backlight: White colored backlight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

Max. Controllable

16 indoor units

Corresponding to various applications

- **Vertical louvre control:** Vertical air flow direction can be adjusted for Duct types with auto louvre and Cassette types, which are installed in hotels and conference rooms, can be adjusted.
- **Room temperature set point limitation:** The Simple Remote Controller can manage energy saving operation in small buildings without the central control unit.
- **Built in room temperature sensor:** The Simple Remote Controller detects actual room temperature and controls room temperature accuracy.



Simple Remote Controller

UTYRSNYM, UTYRSKY / UTYRHKY (Without operation mode)

SPLITS/MULTI/VRF

UTYRSNYM

UTYRSKY

UTYRHKY



SPLIT ONLY



VRF ONLY



Without
operation mode
VRF ONLY

Compact remote controller provides access to basic functions

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

Max. Controllable

16 indoor units

Easy-to-use operation

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

Specifications

Model name	UTYRSRY	UTYRHY	UTYRSNYM	UTYRSKY	UTYRHKY
Power Source	DC 12 V	DC 12 V	DC 12 V	DC 12 V	DC 12 V
Dimensions (H × W × D) (mm)	120 × 75 × 19.4	120 × 75 × 19.4	120 × 75 × 19.4	120 × 75 × 19.4	120 × 75 × 14
Weight (g)	120	120	120	120	90
List Price	£ 120	£ 120	£ 83	£ 80	£ 75

DC 12 V is supplied by the indoor unit.

Wireless Remote Controller

UTYLNHY

VRF



Simple and sophisticated operations with a choice of 4 daily timers

- A single controller controls up to 16 indoor units.

Built-in timers

4 timer programs: On / Off / Program / Sleep

Program timer: Operates ON/OFF timer once within 24 hours

Sleep timer: Corrects the set temperature automatically during sleep time

Max. Controllable

16 indoor units

Selectable

4 daily timers

Easy installation and operation

Code selector switch prevents indoor unit mix-up (up to 4 codes)

Wide and precise transmitting range

Model name	UTYLNHY
Battery	1.5 V (R03 / LR03 / AAA) × 2
Dimensions (H × W × D) (mm)	170 × 56 × 19
Weight (g)	85
List Price	£ 47

IR Receiver Unit

UTBYWC / UTYLRYHM / UTYLBTYM

SPLITS/MULTI/VRF

UTBYWC
for VRF



UTYLRYHM
for Split



Duct type indoor unit

Wireless
Remote Controller
included with UTYLRYHM

UTYLBTYM
for Split



Duct type indoor unit

Wireless
Remote Controller
included with
UTYLBTYM

Duct type* indoor units can be controlled with Wireless Remote Controller

*Only Large Airflow Duct cannot be connected to IR Receiver Unit.

Model name	UTBYWC	UTYLRYHM	UTYLBTYM
Battery	DC 5 V		
Dimensions (H × W × D) (mm)	145 × 90 × 30		
Weight (g)	150		
List Price	£ 76	262	266

IR Receiver Unit

UTYLRYHB1 / UTYLBHXD / UTYLRHYA2 / UTYLBTYC

SPLITS/MULTI/VRF

UTYLRYHB1
for VRF



UTYLRYA2
for Split



IR Receiver Unit

Wireless
Remote Controller
included with UTYLRYA2

UTYLBTYC for
Split



IR Receiver Unit

Wireless
Remote Controller
included with UTYLBTYC

Cassette type indoor unit can be controlled with Wireless Remote Controller

UTYLBHXD
for VRF



Specifications

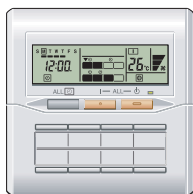
Model name	UTYLRYHB1	UTYLBHXD	UTYLRYA2	UTYLBTYC
Battery	DC 5 V			
Dimensions (H × W × D) (mm)	193.9 × 193.9 × 31.2			
Weight (g)	140			
List Price	£ 76	86	76	98

DC 12 V is supplied by the indoor unit.

Group Remote Controller/Network Convertor

VRF

UTYCGGY / UTYVGGXZ1



Group Remote Controllers
UTYCGGY



Network Convertor
UTYVGGXZ1
For Group Remote Controller

Max. Controllable
8
remote
controller groups

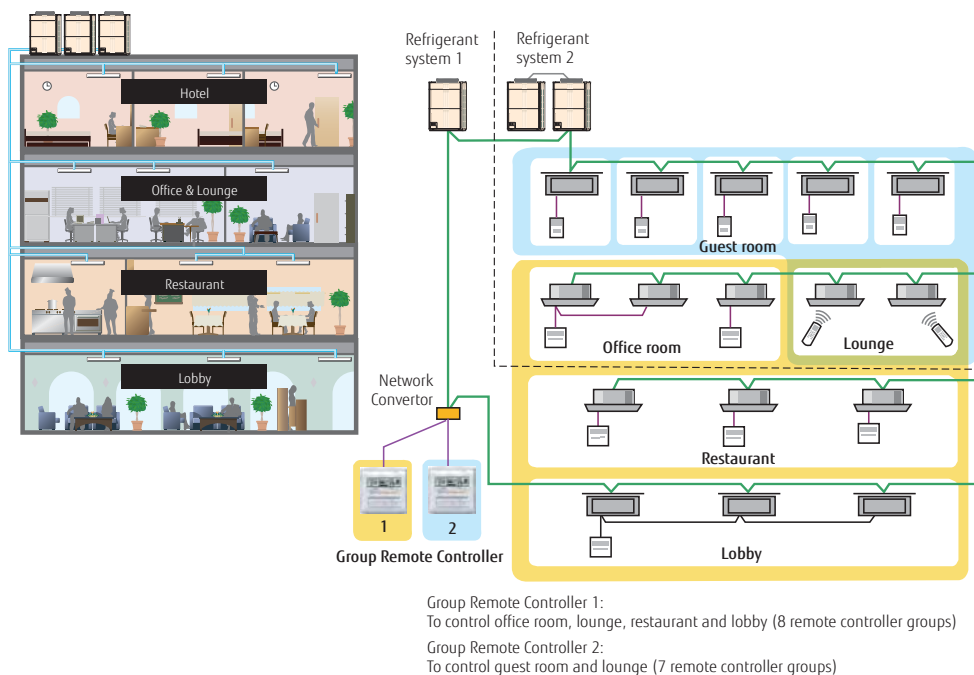
Max. Controllable
64
group R.C. in a VRF
network system

Group control of indoor units with simple operation

- Up to 8 remote controller groups can be controlled by one Group Remote Controller.
- Up to 64 Group Remote Controllers can be connected in one VRF network system.
- Network Convertor is required to connect Group Remote Controllers to a VRF network system. (Network Convertor allows up to 4 Group Remote Controllers)
- 3-wire type

Control up to 8 remote controller groups

- Single Group Remote Controller controls and monitors up to 8 remote controller groups.



High performance and compact size

ON / OFF, Operating mode, Room temperature and Fan speed setting can be controlled / monitored centrally or individually.



Built-in weekly timers

The weekly timer is provided as a standard function.

Specifications

Model name	UTYCGGY
Power Supply	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 18
Weight (g)	200
List Price	£ 146

DC 12 V is supplied by the indoor unit.

Model name	UTYVGGXZ1
Power Supply	208-240 V 50/60 Hz, Single phase
Power Consumption (W)	6.5
Dimensions (H × W × D) (mm)	67 × 288 × 211
Weight (g)	1,500
List Price	£ 456

Central Remote Controller for 5-6 Rooms Multi

UTYDMMYM

MULTI

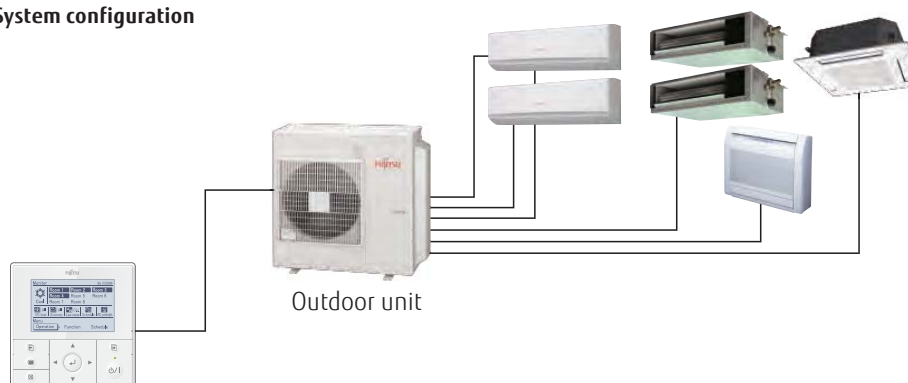


Max. Controllable
1 multi system

Max. Controllable
6 indoor units

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

System configuration



Central Remote Controller Functions

Weekly schedule timer

The ON/OFF setting can be set for 4 times a day. Two weekly patterns can be set to match the cooling and heating seasons.

Low noise operation

Users can choose from 4 low noise levels, depending on the installation environment. The operation time can be set using the timer.

10°C heat operation

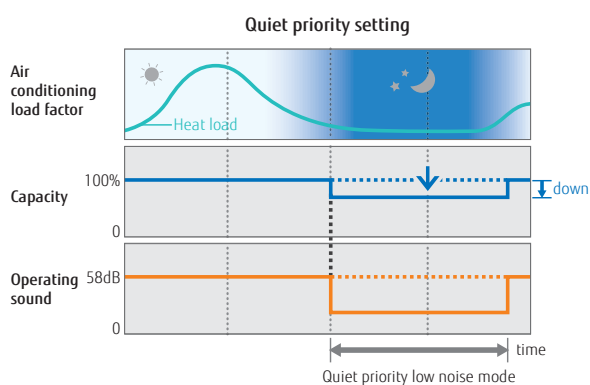
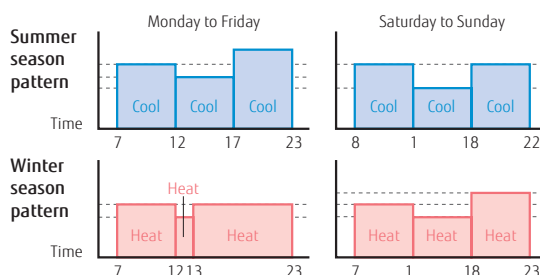
When you leave, minimum heating operation is performed to maintain the room temperature (maintain at 10°C).

Economy operation

Economy operation is energy saving, as the set temperature of indoor unit is shifted by 1°C and the maximum electric value of the outdoor unit is suppressed.

Prohibited Settings

The remote controller operation of all indoor units comes with a lock function to prevent unapproved operations in the various rooms. The central remote controller also has a key lock function to prevent children from playing with it, etc



Specifications

Model name	UTYDMMYM	
Power Source	DC 12 V	
Dimensions (H × W × D) (mm)	120 × 120 × 21.3	
Weight (g)	220	
List Price	£	468

DC 12 V is supplied by the indoor unit.

Central Remote Controller

UTYDCGY

VRF



Max. Controllable
100 indoor units

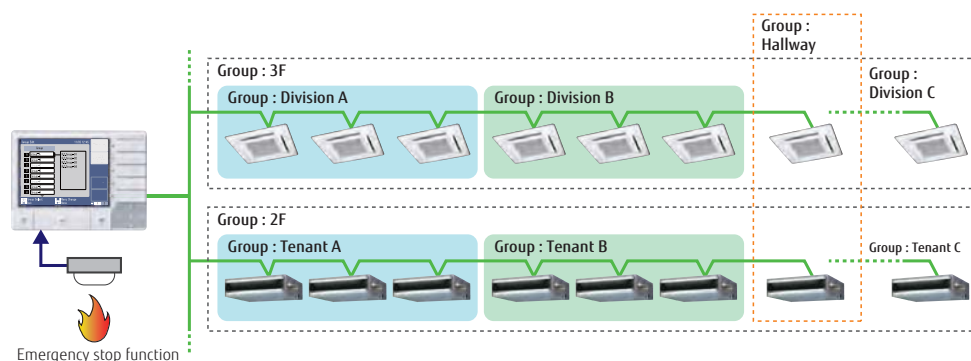
Max. Controllable
16 groups

For small- and medium-sized buildings and tenants

- Individual control and monitor of 100 indoor units
- 5 inch TFT colour screen
- High visibility and easy operation
- External input / output contact
- Detachable power supply unit
- Corresponds to 7 different languages English, Chinese, French, German, Spanish, Russian, Polish.

System overview

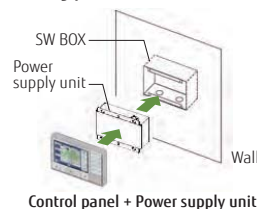
- It allows multiple indoor units grouping (Max.16 groups controlled)
- Interlock with external device



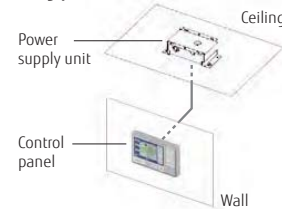
Easy Installation

- The control panel and power supply unit can be installed separately.
- For flexibility in installation, the Control panel can be built into the wall or fixed onto the wall.

Setting pattern 1



Setting pattern 2



Functions

- Diverse control of indoor units
- Weekly timer
- Automatic clock adjustment
- Error history

Specifications

Model name	UTYDCGY	
	Control Panel	Power Supply Unit
Power Supply	DC 5 V	100-240 V, 50-60 Hz, Single phase
Dimensions (H × W × D) (mm)	120 × 162 × 25.7	99 × 135 × 39.2
Weight (g)	308	355

<PACKING LIST>

Packing List	Control Panel / Power Supply Unit / Connecting cable, etc.	
List Price	£	1752

Touch Panel Controller

UTYDTGYZ1

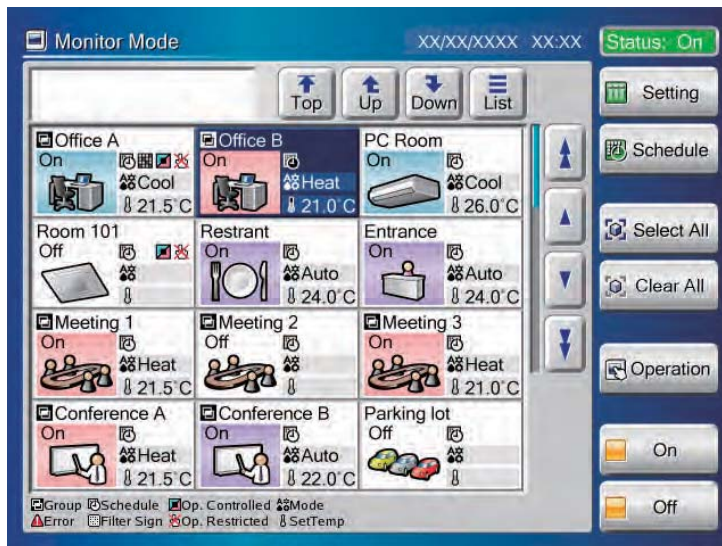
VRF



- Large-sized 7.5-inch TFT colour
- LCD Easy finger touch operation
- Stylish shape and design to suit all applications
- Up to 400 indoor units can be controlled
- Selectable 2 display types (Icon / List) in monitoring mode
- Supports 7 different-languages ,English, Chinese, French, German, Spanish, Russian, Polish.
- Mounted with LAN interface for remote control & operation, external input / output with emergency stop and batch ON / OFF

Easy Operation

- Wide range of simple-to-understand icons
- Operation can be selected using your finger or the dedicated touch pen by pressing the appropriate on-screen icon.
- Back colour identifies current control operation blue for monitoring, green for operational control.



Max. Controllable
400 indoor units

Max. Controllable
100 outdoor units

Max. Controllable
400 groups

Easy maintenance

- Flat touch screen is easily cleaned
- Non-glare coating on touch panel controller minimises fingerprint marking
- Easy-to-remove front cover

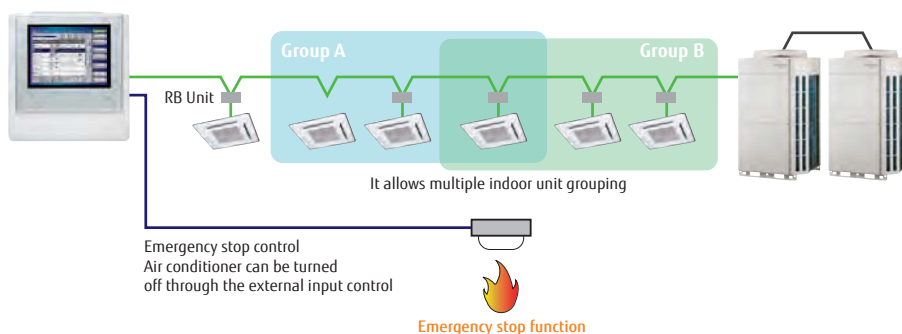


Easy installation

- Touch Panel Controller is easily mounted to the wall.
- Flat back surface allows to be installed wherever it is needed.
- No additional component is required for installation



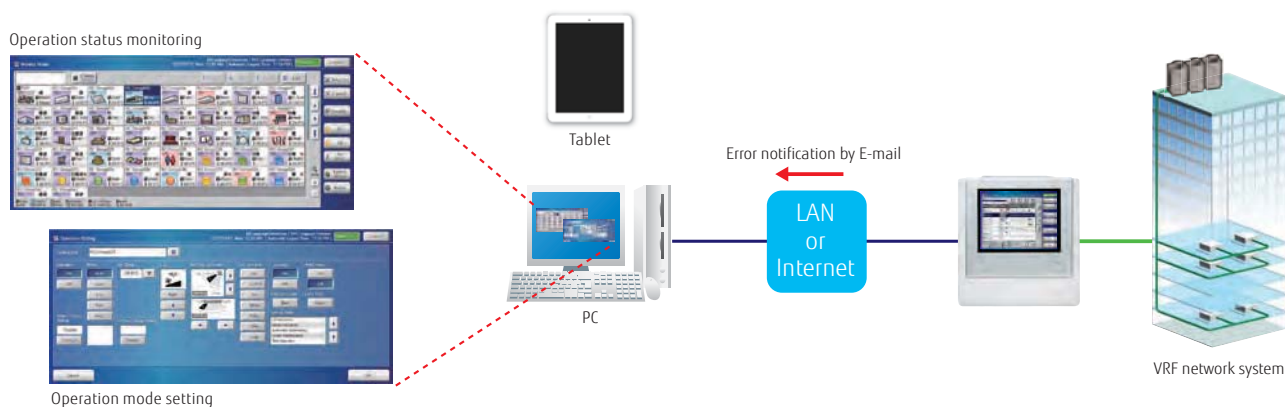
Up to 400 indoor units can be controlled



Features: Touch Panel Controller

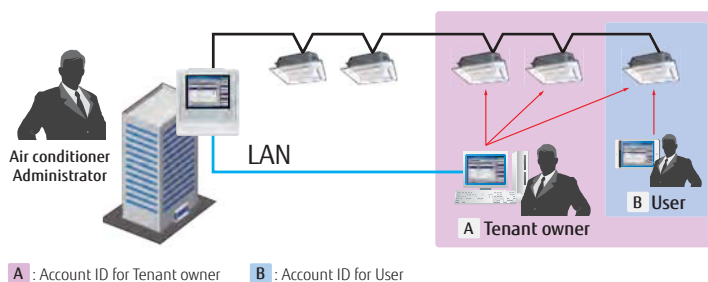
Control & monitoring (UTYDTGYZ1 only)

- Control and monitor Fujitsu's air conditioner via LAN or Internet.
- Allow user or tenant to manage only assigned equipment by their PC or tablet from anywhere.
- Error contents are notified automatically by E-mail at error occurrence to handle the trouble promptly.



Flexible access permission for each level user.

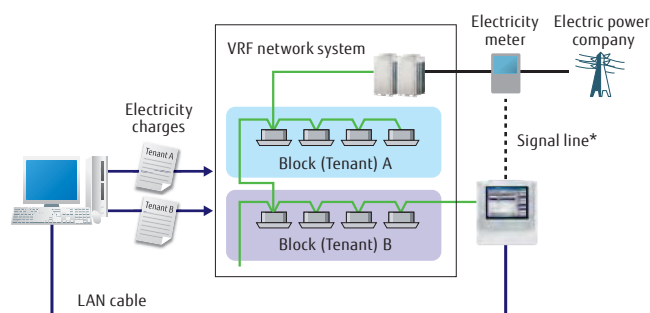
Administrator can register multiple users to permit which indoor unit(s) and which functions can be accessed.



Electricity charge apportionment (Option: UTYP TGXA only compatible with UTYDTGYZ1)

- Electricity charge apportionment can be performed easily for the power consumed when billing users for air conditioning power charges.

- Apportionment charge/bill calculation
- Tenant (block) setting
- Common facilities apportionment setting
- Rated power consumption allotment setting
- Individual calculation at cooling and heating
- Electricity meter supported



*: Electricity meter (1unit) can be connected to external input connector of the TPC unit.
In this case, electricity meter cannot be connected to outdoor unit simultaneously.

Specifications

Model name		UTYDTGYZ1
Power Supply		100-240 V 50/60 Hz, Single phase
Dimensions (H × W × D) (mm)		260 × 246 × 54
Weight (g)		2,150
Interface		Transmission/LAN/USB/EXT IN/EXT OUT/Reset SW
List Price	£	3307

System Controller

UTYAPGXZ1 **Software**

VRF



Max. Controllable

4 VRF network systems

Max. Controllable

400 outdoor units

Max. Controllable

1,600 indoor units

System Controller achieves the advanced integrated monitoring & control of VRF network system from small scale buildings to large scale buildings.

- Up to a maximum of 4 VRF network systems, 1600 indoor units, and 400 outdoor units can be controlled.
- In addition to air conditioning precision control function, central remote control, electricity charge calculation, schedule management, and energy saving functions are strengthened and building manager and owner needs are met.
- Corresponds to 7 different languages (English, Chinese, French, German, Spanish, Russian, Polish)

Note: Older Version UTY-APGX will be sent over while stocks last

The differences between the versions are the software on the original is on a CD rom and the product key USB is a different colour

System Controller Lite

UTYALGXZ1 **Software**

VRF



Max. Controllable

1 VRF network systems

Max. Controllable

100 outdoor units

Max. Controllable

400 indoor units

System Controller Lite has standard functions sufficient for air conditioner management in small and medium scale buildings .

- Up to a maximum of 1 VRF network system, 400 indoor units, and 100 outdoor units can be controlled.
- In addition to air conditioning precision control function, a variety of management software is available as an option to give customers a wide range of choice.
- Corresponds to 7 different languages (English, Chinese, French, German, Spanish, Russian, Polish)

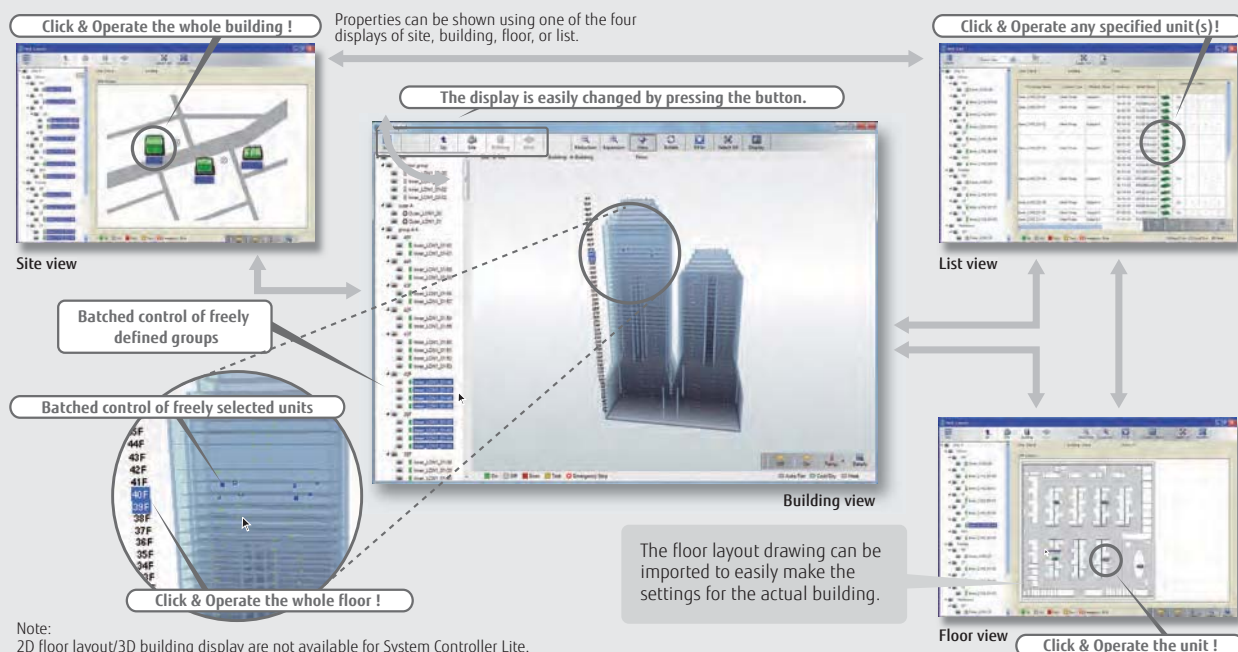
Note: Older Version UTY-ALGX will be sent over while stocks last (UTY-ALGX is not compatible with option UTY-PLGXX2)

The differences between the versions are the software on the original is on a CD rom and the product key USB is a different colour

High visibility and Easy operation

Click & Operate: The property is shown visually from the perspective most suitable for operation and operated accordingly (Click & Operate). You can select from among the 4 displays of site, building, floor, or list.

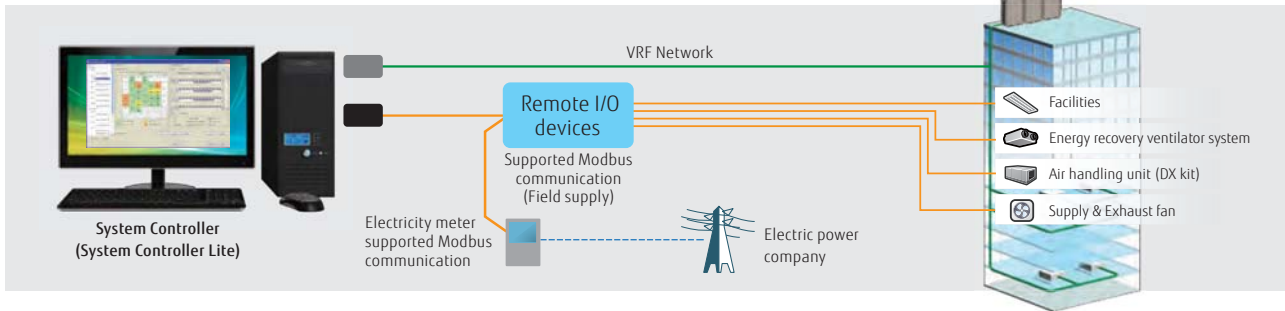
Freely define groups for batched control: Indoor units can be freely grouped for simple batched control from a tree menu. Grouping by hierarchal structure, such as by section, division or department is possible.



3rd party devices connected by Modbus can be controlled.

Standard for System Controller **Option** for System Controller Lite UTYPGXX2

When Modbus Adaptor (locally purchased) is connected to PC, the electric facilities supported by Modbus can be controlled centrally. Wasteful electricity charge by forgetting to turn off and patrol activities can be reduced in the entire building.



Diverse operation management & Data management

Standard for System Controller and System Controller Lite

Schedule management

- Annual schedules can be set for each remote controller group / user defined group.
- Start / stop, operating mode, remote controller prohibition, and temperature settings can be set up to 143 times per day at 10 minute intervals for up to 101 configurations for each remote controller group.
- Settings can be made for periods straddling midnight.
- Allows programming of special settings for holidays, including public holidays, for a complete year.
- Low noise operation of outdoor unit can be scheduled.



Diverse control of indoor unit and outdoor unit

- Indoor unit operation state, operation mode, etc. are displayed
- Indoor unit start / stop and operation mode switching
- Room temperature set point limitation
- Outdoor unit low noise setting

Remote controller prohibition

This prohibits changes to the operation mode, temperature, start/stop, etc.

Error display & E-mail notification

Error is notified with popup message, audible sound and E-mail real time when error occurs. Errors for the past 1 year are logged and can be reviewed later.

Operating & control record

Displays the history of operation status and control.

Data base import/export

Imports/exports registration data, layout data, and image data. Only the administrator can make this setting.

Automatic clock adjustment

The time setting of each controller can be set in batch automatically.

Electricity charge apportionment

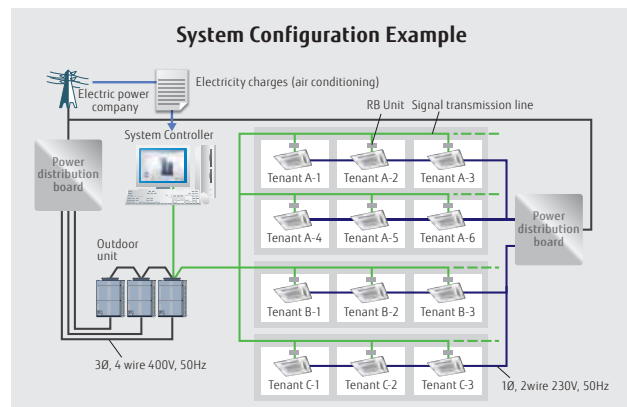
Standard for System Controller

Option for System Controller Lite UTYPGXA1

Electricity charge apportionment calculation framework

Suppose you want to find the power consumed by the air conditioners of each tenant from the electricity charge for each month. With electricity charge apportionment function, used energy apportionment ratio will be provided, calculating in detail the energy consumed by the units used by each tenant. This information is then used to calculate the charges for the electricity consumed for air conditioning by each tenant from the total electricity charges in the bill from the electric power company. (See figure at right)

The detailed calculation takes into consideration such things as unused rooms and nighttime electricity charges and shows them in a charges calculation sheet.



PRODUCT LINEUP: CONTROL SYSTEM-CENTRALISED CONTROL

Features: System Controller/System Controller Light

Remote management

Standard for System Controller

Option for System Controller Lite UTYPGXR1

System Controller may be used on site or remotely over various networks for remote central control.

System Controller requires 2 software working together. VRF Controller runs on site and communicate with VRF system.

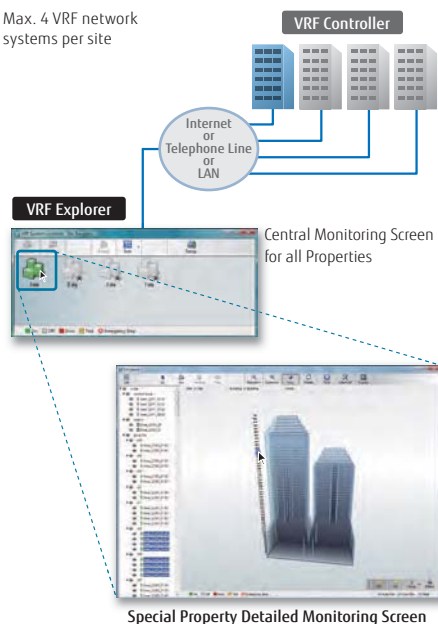
VRF Explorer runs remotely and provides user interface and communicate with the VRF Controller.

VRF Controller and VRF Explorer program may run in a single PC or in different PCs separated by network.

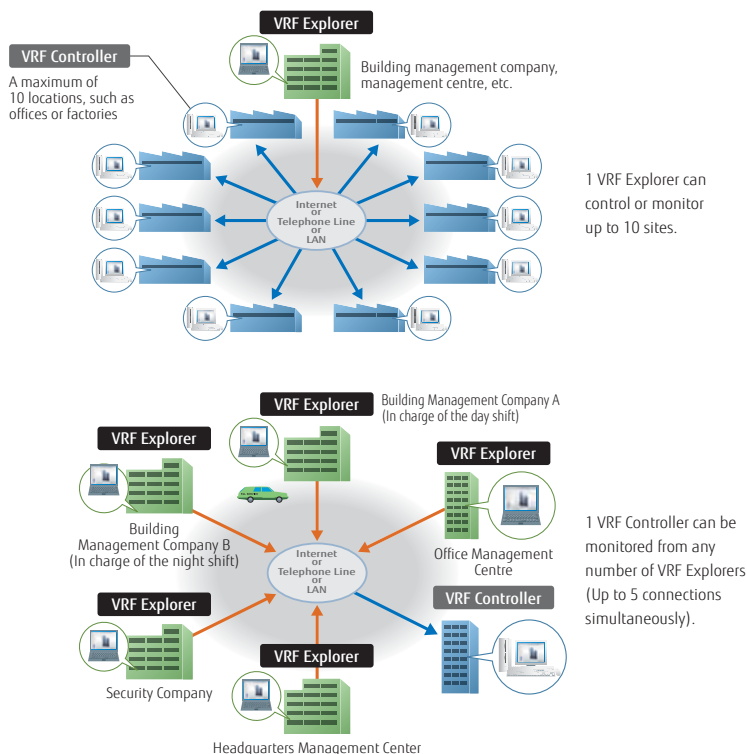
By using VRF Explorer software, one PC can perform central control of 10 VRF system sites with max. 20 buildings per site.

On site central control

Max. 4 VRF network systems per site



Remote central control



Energy saving management

Option for System Controller UTYPGX

Option for System Controller Lite UTYPGXE1

A variety of energy saving operations can be set and managed depending on the season, weather, and time period. Excellent energy saving operation is performed while keeping users comfortable.



Energy Saving Management Main Screen

Energy saving graph data: This graph compares the electricity consumption with the previous month and previous year to make it easy to analyse the energy saving effect.

Indoor unit rotation operation

The operation of indoor units can be automatically rotated within a group in accordance with the set annual schedule to reduce power consumption while maintaining comfort. The indoor unit operation stoppage rate can be selected.

Peak cut operation

A power meter is connected to detect the total power consumption while shifting the indoor unit set temperature, set the indoor unit forced thermostat off, and taking other measures to carefully control the power consumed while maintaining comfort and conducting control to maintain the target power consumption set for each time. The indoor units to be controlled can be freely grouped and the control level can be set.

Outdoor unit capacity save

Outdoor unit capacity save switches the outdoor unit capability upper limit to suppress power consumption during hot summers and cold winters by averaging the power saving effect of each refrigerant system. You can select from 50% or more of the capacity upper limit.

FUNCTIONS SUMMARY

Function	Type	System controller		System controller lite				
		UTYAPGXZ1	Option UTYPEGXZ1	UTYALGXZ1	Option UTYPLGXR2	Option UTYPLGXA2	Option UTYPLGXE2	Option UTYPLGXX2
System specification	Max. VRF networks supported	4	—	1	—	—	—	—
	Max. indoor unit / remote controller groups per VRF network	400	—	400	—	—	—	—
	Max. outdoor units per System controller	100	—	100	—	—	—	—
	Max. indoor units / remote controller groups per System controller	1600	—	400	—	—	—	—
	Max. outdoor units per System controller	400	—	100	—	—	—	—
Site supervision	Multi site display	10	—	10	—	—	—	—
	Number of building / 1 site	20	—	—	—	—	—	—
	Number of floor per 1 site	200	—	—	—	—	—	—
	Number of floor per 1 building	50	—	—	—	—	—	—
	3D graphical layout view	●	—	—	—	—	—	—
	2D graphical layout view	●	—	—	—	—	—	—
	List display	●	—	●	—	—	—	—
	Tree display	●	—	—	—	—	—	—
Error management	Group display	●	—	●	—	—	—	—
	Error notification	●	—	●	—	—	—	—
	Audible alarm	●	—	●	—	—	—	—
	Error e-mail notification	●	—	●	—	—	—	—
History	Error history	●	—	●	—	—	—	—
	Operation history	●	—	●	—	—	—	—
Operation control	Control history	●	—	●	—	—	—	—
	Individual control	On/Off	—	—	—	—	—	—
		Operation mode	—	—	—	—	—	—
		Room temperature	—	—	—	—	—	—
		Fan speed	—	—	—	—	—	—
		Air flow direction	—	—	—	—	—	—
		Economy mode	—	—	—	—	—	—
		Room temperature set point limitation	—	—	—	—	—	—
		Test operation	—	—	—	—	—	—
		Antifreeze	—	—	—	—	—	—
		Outdoor unit low noise setting	—	—	—	—	—	—
	Individual management	Remote control prohibition setting	—	—	—	—	—	—
		Temperature upper and lower limit setting	—	—	—	—	—	—
		Filter sign reset	—	—	—	—	—	—
	Other	Memory operation	—	—	—	—	—	—
		Pattern operation	—	—	—	—	—	—
Schedule	Annual Schedule	—	—	—	—	—	—	—
	Special day setting	—	—	—	—	—	—	—
	On / off per day	72	—	72	—	—	—	—
	On / off per week	504	—	504	—	—	—	—
	Day off	—	—	—	—	—	—	—
	Min. unit of timer setting (Minutes)	10	—	10	—	—	—	—
	Low noise mode Weekly schedule	—	—	—	—	—	—	—
Remote management	Remote monitoring	—	—	—	●	—	—	—
	Remote operation control	—	—	—	●	—	—	—
	Remote function setting	—	—	—	●	—	—	—
	Web Remote Controller	—	—	—	●	—	—	—
Electricity charge apportionment	Apportionment charge/bill calculation	—	—	—	—	●	—	—
	Tenant (block) setting	—	—	—	—	●	—	—
	Common facilities apportionment setting	—	—	—	—	●	—	—
	Rated power consumption allotment setting	—	—	—	—	●	—	—
	Individual calculation at cooling and heating	—	—	—	—	●	—	—
Energy saving management	Electricity meter supported	—	●	—	—	●	—	—
	Indoor unit rotation	—	—	—	—	—	●	—
	Peak cut control	—	●	—	—	—	●	—
	Outdoor unit capacity save	—	—	—	—	—	●	—
	Record of energy saving operation	—	—	—	—	—	●	—
	Energy saving information	—	—	—	—	—	●	—
	Power consumption monitor	—	—	—	—	—	●	—
External Device Control	Electricity meter supported	—	●	—	—	—	●	—
	Monitor	—	—	—	—	—	—	●
Others	Control	—	—	—	—	—	—	●
	Database import/export	—	—	—	—	—	—	—
	Automatic clock adjustment	—	—	—	—	—	—	—
	Multi language	7 languages	—	7 languages	—	—	—	—

●●: Available. -: Not available. *: Power calculation application software is necessary, please contact the local FGL representative.

Personal computer system requirements

	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) [Supported languages] English, Chinese, French, German, Russian, Spanish, and Polish	
CPU	Intel® Core™ i3 2 GHz or higher	
Memory	2 GB or more (for Windows Vista® and 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	
Display	1024 x 768 or higher resolution	
Interface	- Ethernet port (for getting access to the Internet using LAN) or Modem (for getting access to the Internet using Public Telephone Line) - USB ports (Maximum of 6 ports) (Required only for the Server PC that works as VRF Controller) - Maximum of 2 USB ports are required for WHITE-USB-KEY/WibuKey connection - Maximum of 4 USB ports are required for Echelon® U10 USB Network Interface * Maximum number of required USB port depends on the applicable system configuration.	- Ethernet port (for getting access to the Internet using LAN) or Modem (for getting access to the Internet using Public Telephone Line) - USB ports (Maximum of 6 ports) (Required only for the Server PC that works as VRF Controller) - Maximum of 4 USB ports are required for WHITE-USB-KEY/WibuKey connection - 1 USB port is required for Echelon® U10 USB Network Interface * The maximum number of required USB port depends on the applicable system configuration.
Graphic accelerator	Microsoft® DirectX® 9.0c compatible	
Software	Adobe® Reader® 9.0 or later	

- Personal computer that satisfies the following system requirements
- Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model number: 75010R) (Required for each VRF Network.)

Packing List

Type	For System controller			For System controller Lite			
	System Controller	Option Energy manager	System Controller Lite	Remote access	Electricity charge apportionment	Energy saving	Central Control
Model name	UTYAPGXZ1	UTYPEGXZ1	UTYALGXZ1	UTYPLGXR1	UTYPLGXA1	UTYPLGXE1	UTYPLGXX2
WHITE-USB-KEY	1	1	1	1	1	1	1
List Price £	6222	2561	2557	926	761	922	992

*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 WHITE-USB-KEY. However, WHITE-USB-KEY is not required for remote VRF Explorer software.

BACnet® Gateway

UTYABGXZ1

VRF



WHITE-USB-KEY
(Software Protection Key)



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- It is possible to connect medium to large sized BMS to VRF network system via BACnet®, a global standard for open networks.
- A maximum of 1600 indoor units with 4 VRF network systems (a maximum of 400 indoor units & 100 outdoor units for one network system) can be connected to one BACnet® Gateway.
- It is possible to control or monitor VRF network system from BMS via BACnet® Gateway.
- Compatible with BACnet® (ANSI / ASHRAE-135-2014) application specific controller (B-ASC).
- Compatible with BACnet®/IP over Ethernet.
- Scheduling function, Alarm & Event functions as well as Electricity Change Apportionment function are provided in BACnet® Gateway.
- Connection between VRF network system to personal computer is possible via small U10 USB interface. However, both U10 USB interface & personal computer are field supplied items.
- Corresponds to 7 different languages, English, Chinese, French, German, Spanish, Russian, Polish.

Max. Controllable

4

VRF network systems

Max. Controllable

400

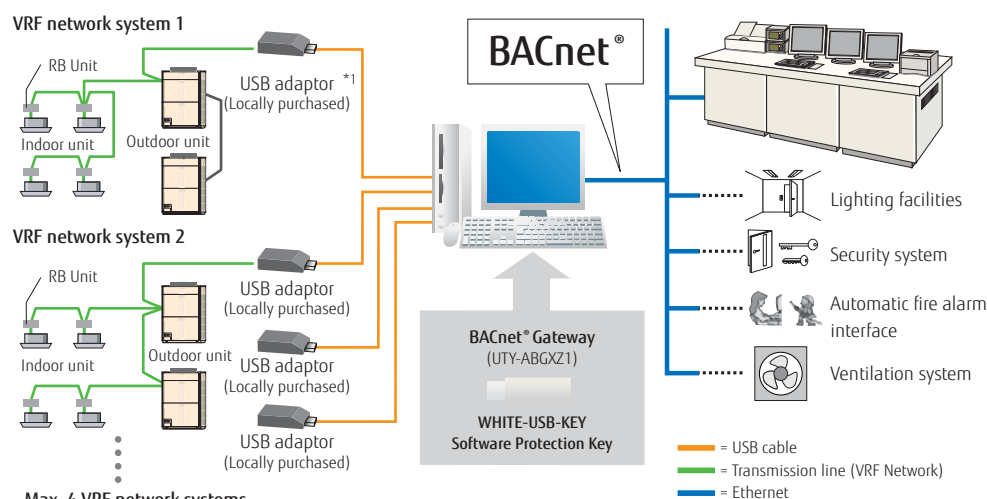
outdoor units

Max. Controllable

1,600

indoor units

Installation example



*1: USB adaptor is U10 USB Network Interface of Echelon® Corporation.

Personal computer system requirements

	UTY-ABGX & 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] English, Chinese, French, German, Russian, Spanish, and Polish
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
Display	1024 x 768 or higher resolution
Interface	• Ethernet port (for getting access to the Internet using LAN) • USB ports (Maximum of 5 ports) - 1 USB port is required for WHITE-USB-KEY/WibuKey connection - Maximum of 4 USB ports are required for Echelon® U10 USB Network Interface * Maximum number of required USB ports depends on the applicable system configurations.
Software	Adobe® Reader® 9.0 or later

Packing list

Name and shape	Quantity	Application
WHITE-USB-KEY	1	Includes the software and manuals, license for BACnet® Gateway.
List Price	£	3113

- Personal computer that satisfies the following system requirements
- Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model number: 75010R) (Required for each VRF Network.)

BACnet® Gateway

UTYVBGX

VRF



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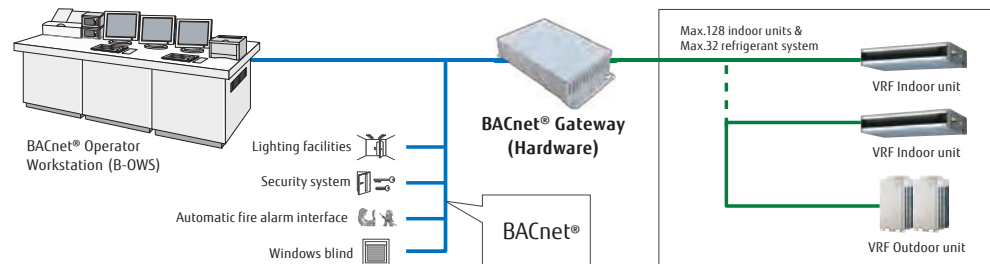
Max. Controllable
1 VRF network system

Max. Controllable
32 refrigerant system

Max. Controllable
128 indoor units

- BACnet® Gateway enables to connect a BMS and FG VRF system.
- A maximum of 128 indoor units and 32 refrigerant system 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	UTYVBGX
Number of controllable indoor units	128
Number of controllable refrigerant system	32
Number of controllable VRF network	1
Number of connectable units / one VRF network	4
List Price	£ 2397

Model name	UTYVBGX
Power Supply	208-240V 50/60Hz, single phase
Power Consumption (W)	—
Dimensions (H × W × D) (mm)	10-1/4 × 2-5/16 × 5-11/16 (260 × 59 × 145)
Weight (g)	—

Network Convertor for LONWORKS®

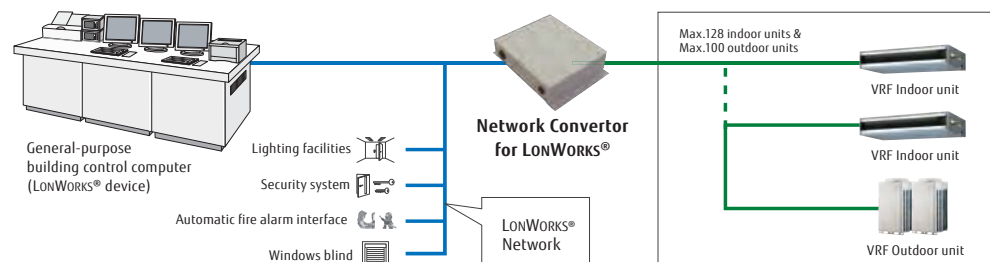
UTY-VLGX

VRF



- For connection between VRF network system and a **LONWORKS®** open network for management of small to medium-sized BMS and VRF network system.
- The UTY-VLGX permits central monitoring and control of a VRF network system from a BMS through a **LONWORKS®** interface.
- Up to 128 Indoor units can be connected to one Network Convertor for **LONWORKS®**

Installation example



Max. Controllable
4 units to BMS

Max. Controllable
100 outdoor units

Max. Controllable
128 indoor units

Specifications

Model name	UTYVLGX
Power Supply	208-240V 50/60Hz, Single phase
Power Consumption (W)	4.5
Dimensions (H × W × D) (mm)	67 × 288 × 211
Weight (g)	1,500
List Price	£ 3113

Transmission specifications (BMS side)

Transmission speed	78 kbps
Transceiver	FT-X1 (Echelon® Corporation)
Transmission way form	Free topology
Terminal resistor	None (It attaches at the terminal of a network.)

MODBUS® Convertor for Indoor Unit

UTYVMSX

SPLITS/MULTI

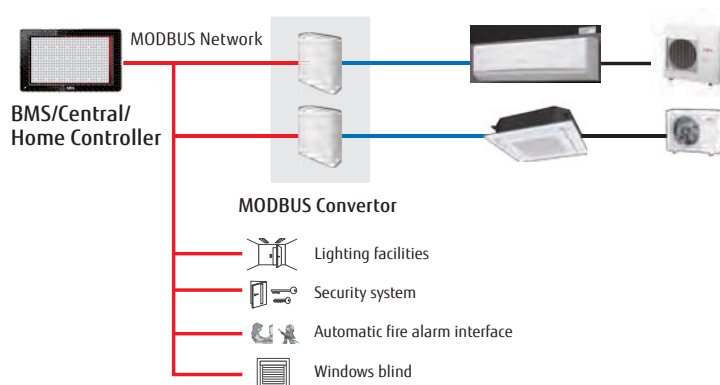


Max. Connectable

1 Single indoor unit

The MODBUS Convertor allows a complete integration of air conditioners into MODBUS Networks.

- Simple installation due to small and compact size.
- No separate external power supply required.
- The MODBUS Convertor must be connected one by one in the indoor unit.
- The MODBUS Controller permits central monitoring and control of air conditioners from BMS/Central/Home Controller.

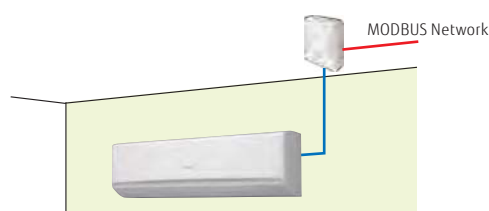


Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louvre position (Airflow direction setting)
- Room temperature setting and display
- Economy mode setting
- Error status

Easy Installation

Flexible installation locations with neat wirings are feasible since no power supply cable is used in the convertor.



Specifications

Model name	UTYVMSX	
Power supply	DC 12 V	
Input Power (W)	Max. 1.2	
Dimensions (H×W×D)(mm)	140 × 117 × 43	
Weight (g)	200	
Maximum Connectable indoor unit number per 1 MODBUS Convertor	1	
List Price	£	234

Modbus communication specifications

Transfer mode	RTU mode
Communication speed	9600/19200bps
Data bit	8
Parity	even/odd/none
Stop bit	1/2 (no parity)
Network	RS485
Maximum cable length	1000m (3280 ft)

MODBUS® Convertor

UTYVMGX

VRF



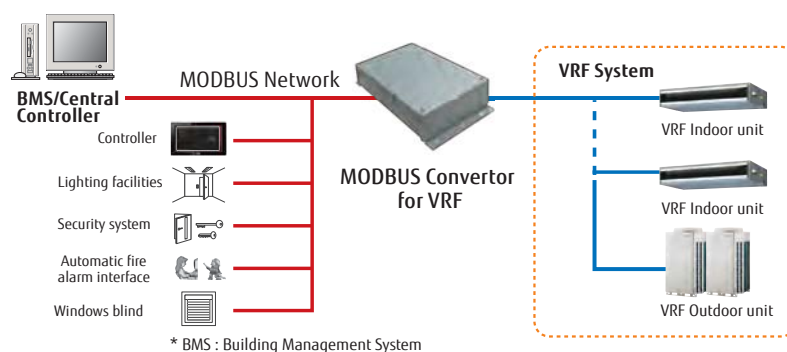
The MODBUS Convertor allows a complete integration of air conditioners into MODBUS Networks.

- Compact and lightweight design
- Direct connection to MODBUS Network
- Up to 128 indoor units can be controlled in one MODBUS Convertor
- The MODBUS Convertor permits central monitoring and control of air conditioners from BMS or Central Controller.
- Up to 9 convertors can be connected to a VRF network. The simultaneous controls such as ON/OFF or temperature settings can be done for each zone.
- It is easy to locate the source of error if any connection errors should occur after completion of installation works.

Max. Controllable
9 units to one VRF

Max. Controllable
100 outdoor units

Selectable
128 indoor units



MODBUS® Interface

FJRCMB51

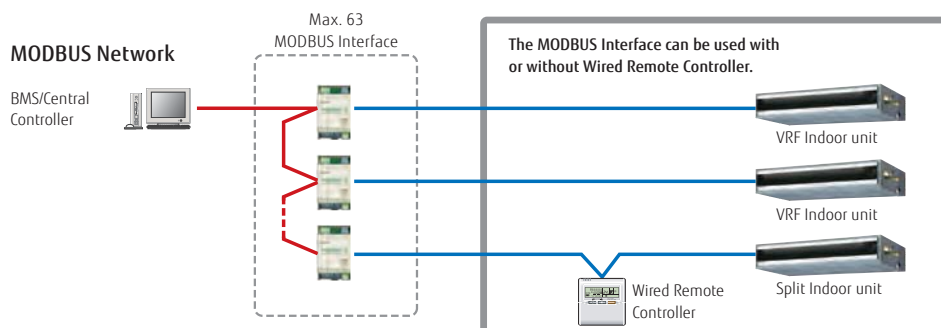
SPLITS/MULTI/VRF



The MODBUS Interface allows a complete integration of air conditioners into MODBUS Networks.

- Simple installation due to small and compact size.
- No separate external power supply required.
- The MODBUS Interface permits central monitoring and control of air conditioners from BMS.

Max. Connectable
1 Single indoor unit



Specifications

Model name	UTYVMGX
Power Supply	AC220/240V 50/60Hz
Input power (W)	Max. 2
Dimensions (H × W × D) (mm)	54 × 260 × 150
Weight (g)	1,100
List Price	£ 530

Model name	FJRCMB51
Dimensions (H × W × D) (mm)	93×53×58
Weight (g)	85
List Price	£ 234

KNX® Convertor for VRF

UTYVKGX

VRF



Max. Controllable
100 outdoor units

Selectable
128 indoor units

KNX Convertor is useful for centralised control in a system.

- New KNX Convertor enables to connect central/home controller and FG VRF system.
- A maximum of 128 indoor units and 100 outdoor units can be connected to single KNX Convertor.



KNX® Convertor for Indoor Unit

UTYVKSX

SPLITS/MULTI



Max. Connectable
1 Single indoor unit

KNX Convertor is useful for individual control of indoor.

- New KNX Convertor enables to connect central/home controller and FG indoor unit.
- Compact and light weight design



KNX® Interface

FJRCKNX1i

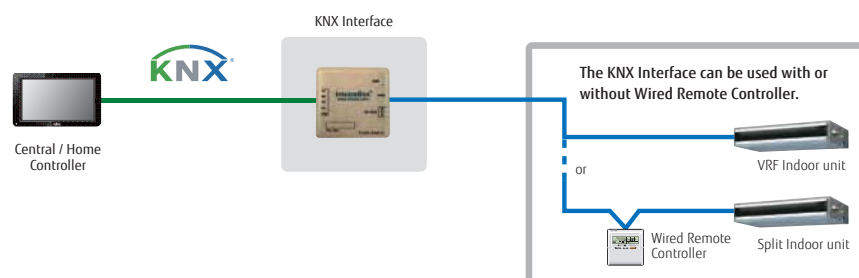
SPLITS/MULTI/VRF



Max. Controllable
1 group

The KNX Interface allows a complete integration of air conditioners with KNX Network systems.

- Simple installation due to small and compact size.
- No separate external power supply required (just KNX bus power).
- Can be used for single indoor units and group controlled (up to 16) indoor units.



Specifications

Model name	UTYVKGX	UTYVKSX	FJRCKNX1i
Power supply	220-240 V 50/60 Hz	(DC 12 V)	DC12V fed from indoor unit
Power consumption (W)	1.5	0.6	-
Dimensions (H × W × D) (mm)	54 × 260 × 150	140 × 117 × 43	70 × 70 × 28
Weight (g)	1,200	215	70
List Price	£ 1273	267	265

Wireless LAN Interface

UTYT FN XZ1 / UTYT FS XZ1, UTYT FS XW1

SPLITS/MULTI/VRF

SPLIT

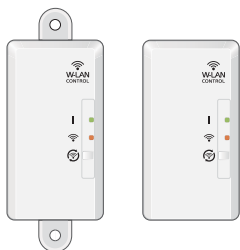
MULTI SPLIT

VRF

CONTROL SYSTEM

VENTILATION

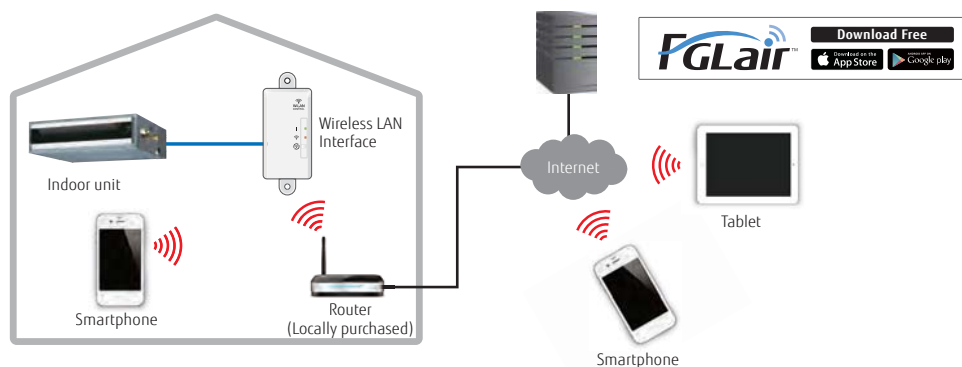
TRAINING



Max. Connectable

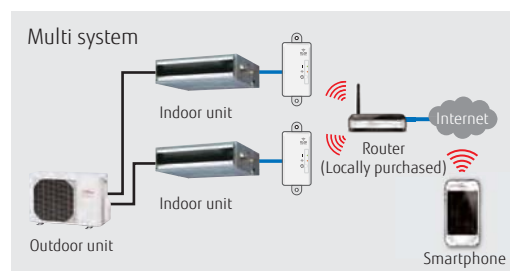
1 Single indoor unit

- It is the most advanced solution to remotely manage an Air Conditioning system using all sort of mobile devices such as Smartphones, and tablets.
- No separate external power supply required
- Can be used for single indoor units and multi system indoor units



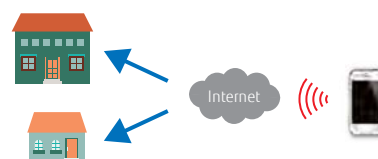
Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louvre position (Airflow direction setting)
- Timer operation setting (Weekly timer)
- Economy mode setting



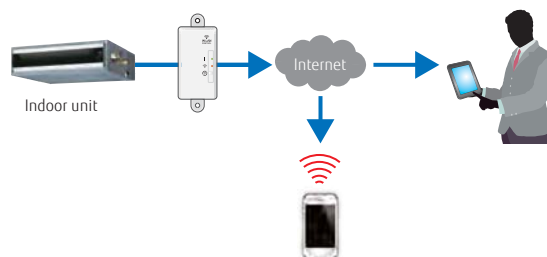
Multiple air conditioning management

- Multiple air conditioning management at difference locations.



Error display & E-mail notification

- Alerts e-mail notification
- Air conditioning malfunction display
- It enables rapid service response when error occurs.



Specifications

Model name	UTYT FN XZ1	UTYT FS XZ1	UTYT FS XW1
Usage with	SPLITS	SPLITS & VRF	R32 SPLITS
Dimensions (H × W × D) (mm)	71 × 38 × 15	71 × 38 × 15	71 × 38 × 15
Weight (g)	85	85	35
List Price	£ 143	£ 143	£ 126

Wireless LAN Interface

FJRCWIFI1 - Must be used if using a Hard Wired Controller

SPLITS/MULTI/VRF

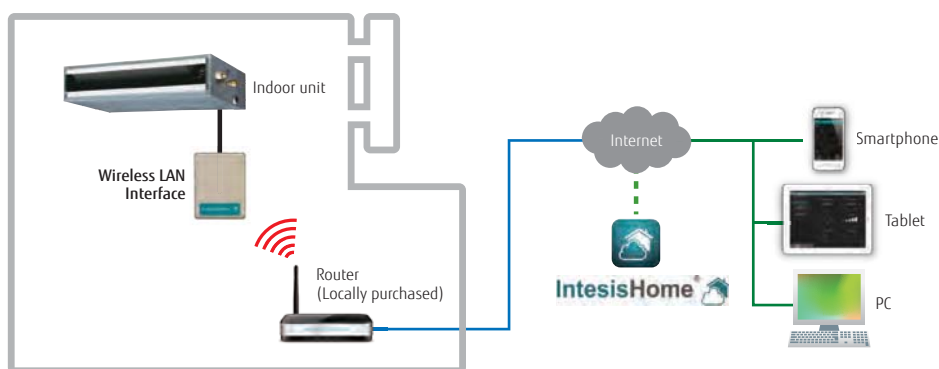


Max. Connectable

1 Single indoor unit



- It is the most advanced solution to remotely manage an Air Conditioning system using all sort of mobile devices such as Smartphones, Tablets and PC
- No separate external power supply required
- Can be used for single indoor units and group controlled (up to 16) indoor units



Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louvre position (Airflow direction setting)
- Room temperature display
- Set temperature control
- Multi Language
- One Scene and Timer



(Application screen image)

Advanced control (Optional functions)

- Climate working modes (ECO, Comfort, Powerful) (future release)
- Schedule functions (ON/OFF, Modes, Set point temperature, Fan Speed, Louvre position)
- Set temperature limitation (future release)
- Multiple Scenes & Timers and Calendar function

Notifications and history

- Alerts e-mail notification (future release)
- Air conditioning malfunction alerts
- Connectivity monitoring and alerts
- History (future release)

Specifications

Model name	FJRCWIFI1	
Dimensions (H × W × D) (mm)	108 × 70 × 28	
Weight (g)	80	
List Price	£	234

External Switch Controller

UTYTERX / UTYTEKX

SPLITS/MULTI/VRF



Max. Controllable
1 group

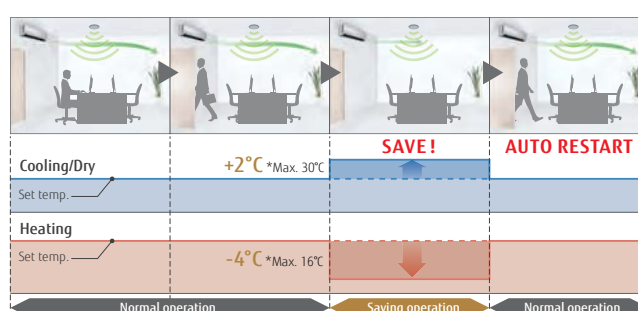
Air conditioner switching can be controlled by connecting other sensor switches

- In combination with a field supply Card-Key Switch or other sensor, the External Switch Controller allows control of the ON / OFF, Room temperature, Fan speed and Master control functions. This makes this product suitable for installations such as hotel rooms.
- Card-key or other sensor switches are available as locally purchased parts.
- 2-wire type
- The set temperature can be specified at two points for cooling and heating individually (4 points).

Installation example

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

Human sensor equipment needs to be purchased locally.
Human sensor is not mounted on the External Switch Controller.



Specifications

Model name	UTYTERX	UTYTEKX
Usage with	VRF	SPLITS & MULTI
Power Supply	DC 6.5-16 V	DC 6.5-16 V
Dimensions (H × W × D) (mm)	140 × 117 × 43	140 × 117 × 43
Weight (g)	250	250
List Price	£ 90	£ 90

DC 12 V is supplied by the indoor unit.

Signal Amplifier

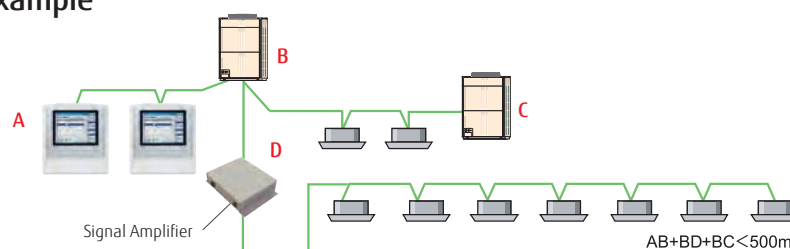
UTYVSGXZ1

VRF



- Transmission Line length can be extended up to 3,600 m with multiple Signal Amplifiers.
- Up to 8 signal amplifiers can be installed 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	UTYVSGXZ1
Power Supply	208-240 V 50/60 Hz, Single phase
Power Consumption (W)	4.5
Dimensions (H × W × D) (mm)	67 × 288 × 211
Weight (g)	1,500
List Price	£ 729

Network Convertor for Single Split Control via VRF

UTYVTGX / UTYVTGXV

VRF



UTYVTGX
DC power supply type

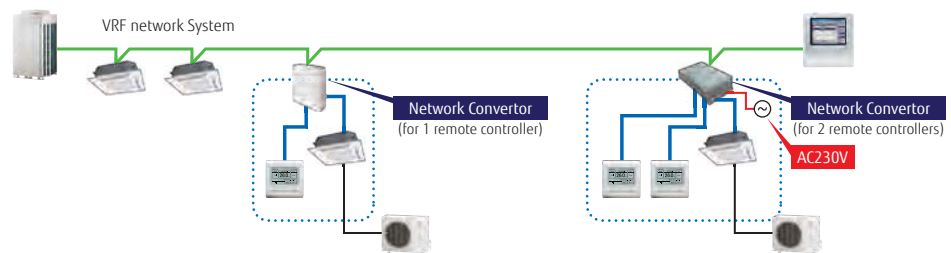


UTYVTGXV
AC power supply type

- The network convertors are required when connecting single split system to VRF network system.
- Compact and light weight design
- Connectable to both types of 2-wire and 3-wire remote controllers

Installation example.

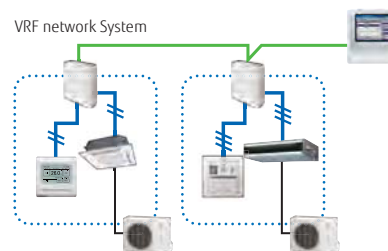
- 2 types of 1 remote controller type and 2 remote controllers type are available.
- Power supply (AC220-240V, 50/60 Hz) is required for 2 remote controllers type.



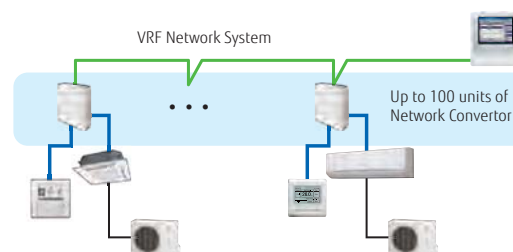
Max. Controllable
16
single indoor units

Max. Controllable
100
Network Convertors

- 2-wire and 3-wire type of the wired remote controller can be connectable.

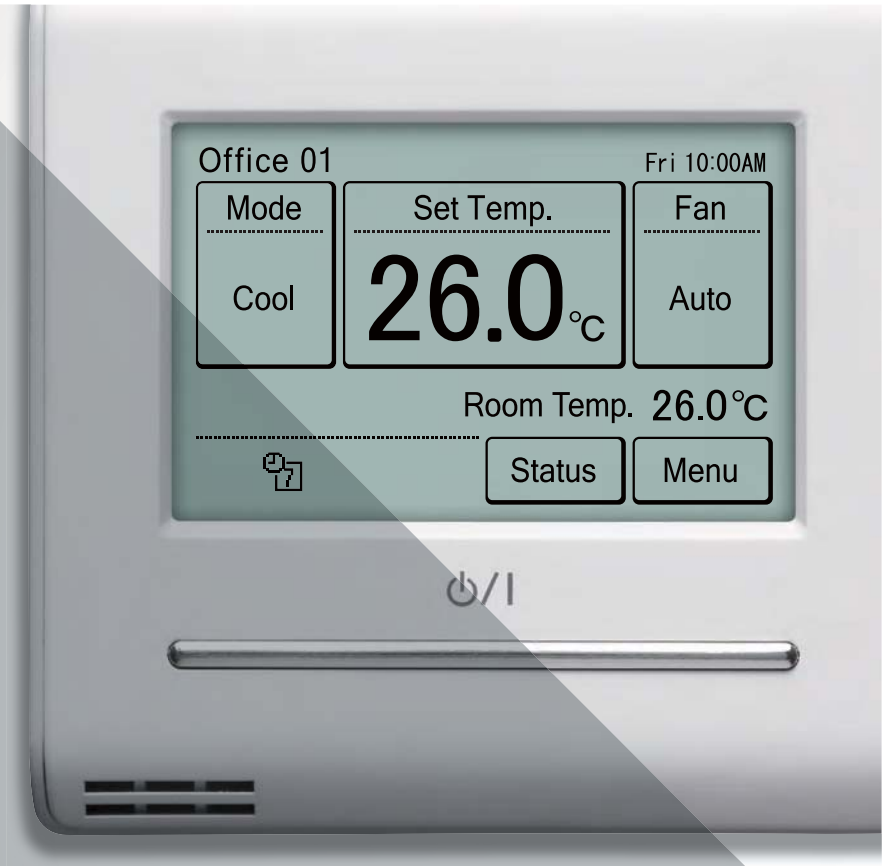


- A central control can be provided for the single split systems. (Up to 100 units of Network Convertor is connectable in one VRF network system)



Specifications

Model name	UTYVTGX		UTYVTGXV
Power Supply	polar 3-wire DC 12 V	non-polar 2-wire DC 12 V	220-240 V 50/60 Hz
Input power (W)	Max. 1.2		Max. 3
Dimensions (H × W × D) (mm)	140 × 117 × 43		54 × 260 × 150
Weight (g)	250		1,100
List Price	£	427	584



CONTROL SYSTEM LIST

For SPLIT & MULTI SPLIT
For VRF

PRODUCT LINEUP: CONTROL SYSTEM

CONTROL SYSTEM LIST for SPLIT/MULTI SPLIT

Type			Indoor unit									
			Wall Mounted								Cassette	
			Flagship Range	Designer Range	Standard Range	Designer Range		Standard Range			ECO Range	4-way Flow Compact
			ASYG 09/12KXCA	ASYG 07/09/12/14 KGTA	ASYG 07/09/12/14 KMTA	ASYG 09/12LTCA	ASYG 07/09/12/14 LUCA	ASYG 07/09/12/14 LMCE	ASYG 18LFCA, ASYG24LFCC	ASYG 30/36LMTA	ASYG 09/12 LLCE	AUYG 12/14/18 LVLB, AUYG24LVLA
Controllers	Wired Remote Controller		● UTY-RNRYZ2+ UTY-TWRXZ2						● UTY-RNRYZ2+ UTY-TWRX			
			● UTY-RLRY+ UTY-TWRXZ2						● UTY-RLRY+ UTY-TWRX			
					● UTY-RVNYM+ UTY-TWBXF		● UTY-RVNYM+ UTY-XCBXZ2	● UTY-RVNYM	● UTY-RVNYM+ UTY-XWNX		● UTY-RVNYM	
				● UTY-RNNYM+ UTY-TWBXF	● UTY-RNNYM+ UTY-TWBXF		● UTY-RNNYM+ UTY-XCBXZ2	● UTY-RNNYM	● UTY-RNNYM+ UTY-XWNX		● UTY-RNNYM	
	Simple Remote Controller	 2-wire type 3-wire type	● UTY-RSRY, UTY-RHRY	● UTY-RSNYM+ UTY-TWBXF	● UTY-RSNYM+ UTY-TWBXF		● UTY-RSNYM+ UTY-XCBXZ2	● UTY-RSNYM	● UTY-RSNYM+ UTY-XWNX, UTY-RSRY UTY-RHRY+ UTY-XWRX		● UTY-RSNYM	
	Central Remote Controller											
	IR Receiver Unit with Wireless Remote Controller	 For Duct For Cassette										
		 For Duct For Cassette										
Interface	MODBUS Convertor								● UTY-VMSX			
	MODBUS Interface				● FJ-RC-MBS-1						● FJ-RC-MBS-1	
	KNX Convertor								● UTY-VKSX			
	KNX Interface				● FJ-RC-KNX-1i		● FJ-RC-KNX-1i				● FJ-RC-KNX-1i	
	Wireless LAN Interface		● UTY-TFSXW1		● UTY-TFNXZ1						● UTZ-TFNXZ1	
					● FJ-RC-WIFI-1						● FJ-RC-WIFI-1	
	External Switch Controller		● UTY-TERX		● UTY-TEKX						● UTY-TEKX	



Indoor unit											Outdoor unit
Cassette		Duct						Floor	Floor/Ceiling	Ceiling	Single Phase
Circular Flow	4-way Flow	Mini	Slim	Medium Static Pressure	Medium Static Pressure	High Static Pressure	Big				5-6 Rooms Multi
AUXG 18/24/30/ 36/45/54 LRLB	AUYG 30/36LRL AUYG 36/45/54 LRLA	ARYG 12/14/18 LSLAP	ARYG 12/14/18 LLTB	ARYG 12/14/18/24/ 30/36/45/54 LHTBP	ARYG 24/36/45 LMLA, ARYG 30/36LMLA	ARYG 45/54/60 LHTA	ARYG 72/90LHTA	AGYG 09/12/14 LVCA	ABYG18LVTB, ABYG24LVTB	ABYG 30/36 LRTE, ABYG 36/45/54 LRTA	A0YG36LBLA5 A0YG45LBLA6
● UTY-RNRYZ2		● UTY-RNRYZ2		● UTY-RNRYZ2			● UTY-RNRYZ2				
● UTY-RLRY		● UTY-RLRY		● UTY-RLRY			● UTY-RLRY				
● UTY-RVNYM											
● UTY-RNNYM											
● UTY-RSRY, UTY-RHRY, UTY-RSNYM	● UTY-RSNYM	● UTY-RSRY, UTY-RHRY, UTY-RSNYM	● UTY-RSNYM	● UTY-RSRY, UTY-RHRY, UTY-RSNYM	● UTY-RSNYM		● UTY-RSRY, UTY-RHRY, UTY-RSNYM	● UTY-RSNYM		● UTY-RSNYM	
											● UTY-DMMYM
	● UTY-LRHYA2		● UTY-LRHYM		● UTY-LRHYM	● UTY-LRHYM (60 only)	● UTY-LRHYM				
● UTY-LBTYC		● UTY-LBTYM		● UTY-LBTYM			● UTY-LBTYM				
● UTY-VMSX		● UTY-VMSX		● UTY-VMSX			● UTY-VMSX	● FJ-RC-MBS-1			
	● FJ-RC-MBS-1		● FJ-RC-MBS-1		● FJ-RC-MBS-1					● FJ-RC-MBS-1	
● UTY-VKSX		● UTY-VKSX		● UTY-VKSX			● UTY-VKSX	● FJ-RC-KNX-1i			
	● FJ-RC-KNX-1i		● FJ-RC-KNX-1i		● FJ-RC-KNX-1i					● FJ-RC-KNX-1i	
● UTZ-TFNXZ1	● UTZ-TFSXZ1			● UTZ-TFNXZ1			● UTZ-TFSXZ1			● UTZ-TFNXZ1	
● FJ-RC-WIFI-1				● FJ-RC-WIFI-1						● FJ-RC-WIFI-1	
● UTY-TEKX											

SPLIT

MULTI SPLIT

VRF

CONTROL SYSTEM

VENTILATION

TRAINING

PRODUCT LINEUP: CONTROL SYSTEM

CONTROL SYSTEM LIST for VRF

Type			Indoor unit								
			Cassette				Duct				
			Compact Grid type /Standard type	4-way (Slim)	4-way (Large)	Circular Flow (Large)	Bulkhead (With drain pump)	Slim (With drain pump)	Medium Static Pressure	High Static Pressure	
			AUXB 04GBLH, AUXB 07/09/12/ 14/18/24 GALH	AUXD 18/24GALH	AUXA 30//36/45/54 GALH	AUXK 018/024/030/ 036/045/054 GLAH	ARXK 07/09/12 GCLH	ARXD 04/07/09/ 12/14/18/24 GALH	ARXA 24/30/36/45 GBLH	ARXC 36GBTH, ARXC 45/60GATH	
Controllers	Wired Remote Controller		● UTY-RNRYZ2								
			● UTY-RLRY								
	Simple Remote Controller	 2-wire type 3-wire type	● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY								
	Wireless Remote Controller		● UTY-LNHY								
	Group Remote Controller		● UTY-CGGY + UTY-VGGXZ1								
	Central Remote Controller		● UTY-DCGY								
	Touch Panel Controller		● UTY-DTGYZ1								
	System Controller, System Controller Lite		● UTY-APGXZ1, UTY-ALGXZ1								
IR Receiver Unit			● UTY-LRHYB1		● UTY-LBHXD		● UTB-YWC				
Interface	MODBUS Convertor		● UTY-VMGX			● UTY-VMGX UTY-VMSX	● UTY-VMGX				
	MODBUS Interface		● FJ-RC-MBS-1					● FJ-RC-MBS-1			
	KNX Convertor		● UTY-VKGX			● UTY-VKGX UTY-VKSX	● UTY-VKGX				
	KNX Interface		● FJ-RC-KNX-1i				● FJ-RC-KNX-1i				
	Wireless LAN Interface					● UTY-TFSXZ1					
			● FJ-RC-WIFI-1				● FJ-RC-WIFI-1				
External Switch Controller		● UTY-TERX									



Indoor unit							
Duct	Floor	Ceiling/ Floor	Ceiling	Wall Mounted			
High Static Pressure	—			—	—	—	
ARXC 72/90GBTH, ARXC 96GATH	AGYA 007/ 009/012/014 GCAH	ABYA 12/14/18/24 GATH	ABYA 30/36/45/54 GATH	ASYA 004/007/009 GTAH	ASYA 012/014GCAH	ASYA 18/24GBCH	ASYA 030/034GTAH
● UTY-RNRYZ2							
● UTY-RLRY							
● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY							
● UTY-LNHY							
● UTY-CGGY + UTY-VGGXZ1							
● UTY-DCGY							
● UTY-DTGYZ1							
● UTY-APGXZ1, UTY-ALGXZ1							
● UTB-YWC							
● UTY-VMGX	● UTY-VMGX UTY-VMSX	● UTY-VMGX	● UTY-VMGX UTY-VMSX	● UTY-VMGX	● UTY-VMGX	● UTY-VMGX UTY-VMSX	
		● FJ-RC-MBS-1		● FJ-RC-MBS-1			
● UTY-VKGX	● UTY-VKGX UTY-VKSX	● UTY-VKGX	● UTY-VKGX UTY-VKSX	● UTY-VKGX	● UTY-VKGX	● UTY-VKGX UTY-VKSX	
● FJ-RC-KNX-1i		● FJ-RC-KNX-1i		● FJ-RC-KNX-1i			
	● UTY-TFSXZ1		● UTY-TFSXZ1			● UTY-TFSXZ1	
● FJ-RC-WIFI-1		● FJ-RC-WIFI-1		● FJ-RC-WIFI-1			
● UTY-TERX							

SPLIT

MULTI SPLIT

VRF

CONTROL SYSTEM

VENTILATION

TRAINING

Auto Louvre Grille Kit

UTDGXSAW / UTDGXSBW / UTDGXSCW

SPLITS/MULTI/VRF



Simple flat Auto Louvre will provide comfort airflow and harmonise with luxury interior.

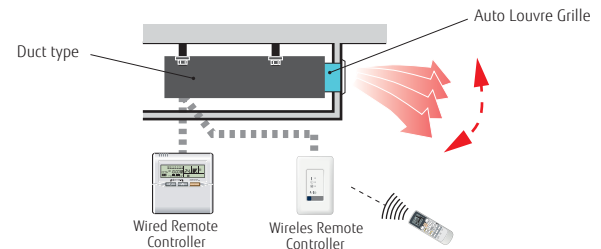


Closed louvre

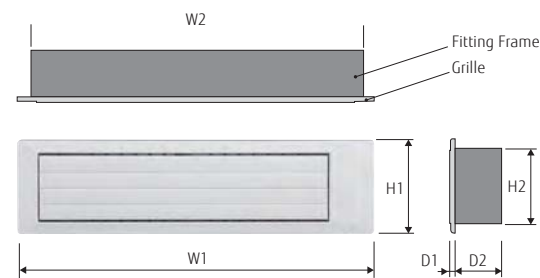
Opened louvre

Flexible Control

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



Dimensions



Unit:mm

Model Name	W1	W2	H1	H2	D1	D2
UTDGXSAW	683	645	180	148	9	84
UTDGXSBW	883	845				
UTDGXSCW	1,083	1,045				

Specifications

Model name			UTDGXSAW	UTDGXSBW	UTDGXSCW
Applicable Indoor Unit			ARYG07/09LLTA ARYG12/14LLTB ARXD04/07/09/12/14GALH (For VRF) ARXK07/09/12GCLH (For VRF)	ARYG18LLTB ARXD18GALH (For VRF)	ARXD24GALH (For VRF)
Power Supply			Connecting with Control box of indoor unit		
Fixing of Auto Louvre Grille			Screw fixing to Flange or Square Duct		
Extension Square Duct Limit			1.0m (Max. duct length between indoor unit and Grille)		
Net Dimension (H × W × D)		mm	180×683×(84+9)	180×883×(84+9)	180×1083×(84+9)
Weight	Net	kg	2.0 (4.4)	2.5 (5.6)	3.0 (6.7)
	Gross	(lbs)	3.0 (6.7)	3.5 (7.8)	4.0 (8.9)
Color			White		
Louvre Motor			Stepping Motor		
Accessories			Fitting Frame, etc.		
Operation range	Cooling	°C	18 to 32		
		% RH	80% or less		
	Heating	°C	16 to 30		
List Price		£	135	151	187



OPTIONAL PARTS LIST

For SPLIT & MULTI SPLIT

For VRF

FUNCTION LIST

SEPARATION TUBE etc.



OPTIONAL PARTS LIST for SPLIT/MULTI SPLIT



		Indoor unit										
		Cassette			Duct						Floor	Ceiling
		4-way Flow Compact	Circular Flow	4-way Flow	Mini	Slim	Medium Static Pressure	Medium Static Pressure	High Static Pressure	Big		
		AUYG 12/14/18 LVLB, AUYG 24LVLA	AUXG 18/24/30/36/45/54 LRLB	AUYG 30/36LRLE, AUYG 36/45/54 LRLA	ARYG 12/14/18 LSLAP	ARYG 12/14/18 LLTB	ARYG 12/14/18/24/30/36/45/54 LHTBP	ARYG 24/36/45 LMLA, ARYG 30/36LMLE	ARYG 45/54/60 LHTA	ARYG 72/90LHTA		
Human Sensor Kit			● UTY-SHZXC									
Remote Sensor Unit	 New amenity space can be offered by installing the Remote sensor.				● UTY-XSZX							
Cassette Grille	 UTG-UFYD-W  UTG-UGYA-W  UTG-UKYA-W  UTG-UKYC-W	● UTG-UFYD-W	● UTG-UKYA-W UTG-UKYC-W	● UTG-UGYA-W								
Auto Louvre Grille Kit					● UTD-GXSA-W (12/14) UTD-GXSB-W (18)							
Long Life Filter							● UTD-LFNA UTD-LFNB UTD-LFNC	● UTD-LF25NA	● UTD-LF60KA (45/54)	● UTD-LFKA		
Flange								● UTD-SF045T UTD-RF204				● UTD-RF204
Drain Pump Unit								● UTZ-PX1NBA		● UTZ-PX1NAB		● UTR-DPB24T
Fresh Air Intake Kit	 For Compact Cassette  For Cassette	● UTZ-VXAA	● UTZ-VXRA									

• There are no optional parts for Floor/Ceiling type and Wall Mounted type.

OPTIONAL PARTS LIST for VRF



		Indoor unit										
		Cassette				Duct					Floor	Ceiling
		Compact Grid type / Standard type	4-way (Slim)	4-way (Large)	Circular Flow (Slim)	Bulkhead (With drain pump)	Slim (With drain pump)	Medium Static Pressure	High Static Pressure		—	
		AUXB 04GBLH, AUXB 07/09/12/ 14/18/24 GALH	AUXD 18/24GALH	AUXA 30/36/45/54 GALH	AUXM 018/024/030 GLAH	ARXK 07/09/12 GCLH	ARXD 04/07/09/ 12/14/18/24 GALH	ARXA 24/30/36/45 GBLH	ARXC 36GBTH, ARXC 45/60GATH	ARXC 72/90GBTH, ARXC 96GATH	AGYA 007/ 009/012/014 GCAH	ABYA 30/36/45/54 GATH
Human Sensor Kit					● UTY-SHZXC							
Remote Sensor Unit	 New amenity space can be offered by installing the Remote sensor.					● UTY-XSZX						
Cassette Grille	 UTG-UFYE-W UTG-UFYC-W UTG-UKYC-W	● UTG-UFYE-W UTG-UFYC-W			● UTG-UKYC-W							
Auto Louvre Grille Kit						● UTD-GXSA-W, UTD-GXSB-W (18), UTD-GXSC-W (24)						
Long Life Filter								● UTD-LF25NA	● UTD-LF60KA			
Flange								● UTD-SF045T UTD-RF204				● UTD-RF204
Drain Pump Unit								● UTZ-PX1NBA				● UTR-DPB24T
Fresh Air Intake Kit*1	 For Compact Cassette For Cassette	● UTZ-VXAA	● UTZ-VXRA		● UTZ-VXRA							

• There are no optional parts for Floor/Ceiling type and Wall Mounted type.

SPLIT

MULTI SPLIT

VRF

CONTROL SYSTEM

VENTILATION

TRAINING

PRODUCT LINEUP: OPTIONAL PARTS

FUNCTION LIST for VRF

External Inputs & Outputs

For Indoor unit £9 each		For Outdoor unit £9 each	
UTY-XWZXZ7		UTY-XWZXZD	
UTY-XWZXZB		UTY-XWZXZE	
UTY-XWZXZC			

For RB unit £9 each		For Central Remote Controller £9 each		For Touch Panel Controller £9 each	
UTY-XWZXZ6		UTY-XWZXZ7		UTY-XWZXZA	
UTY-XWZXZB		UTY-XWZXZ8			
		UTY-XWZXZA			

Function list

		Indoor unit	Outdoor unit	Controller		Other
				Central Remote Controller	Touch Panel Controller	RB Unit
Input	Operation / Stop	●UTY-XWZXZD ○UTY-XWZXZB	—	—	—	—
	All On / All Off	—	—	●UTY-XWZXZ7 ○UTY-XWZXZ8	●*3 ○*3	—
	Batch Stop	—	●UTY-XWZXZ6	—	—	—
	Forced Stop	●UTY-XWZXZD ○UTY-XWZXZB	—	—	—	—
	Emergency Stop	●UTY-XWZXZD ○UTY-XWZXZB	●UTY-XWZXZ6	●UTY-XWZXZ7 ○UTY-XWZXZ8	●*3 ○*3	—
	Forced Thermostat off	●UTY-XWZXZE ○UTY-XWZXZ7	—	—	—	—
	Low Noise Mode Operation	—	●UTY-XWZXZ6	—	—	—
	Cooling / Heating Priority	—	●UTY-XWZXZ6*1	—	—	●UTY-XWZXZ6 ○UTY-XWZXZB
	"Outdoor Unit Operation Peak Control"	—	●UTY-XWZXZ6	—	—	—
	"Power Usage Information from Electricity Meter"	—	●UTY-XWZXZF	—	●*3 ○*3	—
Output	Operation Status	●UTY-XWZXZC	○UTY-XWZXZ6	○UTY-XWZXZA	○UTY-XWZXZA	—
	Error Status	●UTY-XWZXZC	○UTY-XWZXZ6	○UTY-XWZXZA	○UTY-XWZXZA	—
	Indoor Unit Fan Operation Status	●UTY-XWZXZC	—	—	—	—
	Auxiliary Heater Output	●UTY-XWZXZC*2	—	—	—	—
	Base Heater	—	●UTY-XWZXZ9	—	—	—

*1. Heat Pump type only

*2. Duct type only

*3. Touch Panel Controller has these functions for Dry contact and Apply voltage, however, above External Connect Kit is not necessary because Touch Panel Controller has an external input terminal block.

●: Dry Contact ○: Apply Voltage

For Duct type

Flange (Round) £31

UTD-RF204

For Medium Static Pressure Duct type /
Ceiling type - pack of 4**Flange (Square) £42**

UTD-SF045T

For Medium Static Pressure Duct type

**Remote Sensor Unit £56**

UTY-XSZX

For All Duct type

New amenity space can be
offered by installing the
Remote sensor.**Long-Life Filter**

UTD-LF25NA £95

For Medium Static
Pressure Duct type

UTD-LF60KA £95

For High Static
Pressure Duct type**Auto Louvre Grille Kit**

UTD-GXSA-W £135

(for ARXD04-14GALH, ARXK07-12GCLH)

UTD-GXSB-W £151

(for ARXD18GALH)

UTD-GXSC-W £187

(for ARXD24GALH)

**Drain Pump Unit £62**

UTZ-PX1NBA

For Medium Static Pressure Duct type



For Cassette type

Fresh Air Intake Kit £291

UTZ-VXAA

For Compact
Cassette type**Fresh Air Intake Kit £364**

UTZ-VXGA

For Cassette type

**Fresh Air Intake Kit £364**

UTZ-VXRA

For Circular Flow
Cassette type**Human Sensor Kit £65**

UTY-SHZXC

For Circular Flow Cassette

**Cassette Grille**

UTG-UFYD-W

For Compact Cassette type
£133**Cassette Grille**

UTG-UGYA-W

For Cassette type
£166**Cassette Grille**

UTG-UKYC-W

For Circular flow Cassette type
£174**Cassette Grille**

UTG-UFYE-W

For Compact Cassette type VRF
£157

For Ceiling type

Drain Pump Unit £47

UTR-DPB24T

For Ceiling type

**Flange (Round) £31**

UTD-RF204

For Ceiling type
pack of 4

PRODUCT LINEUP: OPTIONAL PARTS

SEPARATION TUBE etc.

For SPLIT/MULTI SPLIT/SIMULTANEOUS MULTI

Separation Tube				
UTPSX236A / UTPSX254A £72/72 For 3-phase Simultaneous Multi UTPSX272A £142 For Simultaneous Multi Twin / Triple / Quad 	UTPSX354A £97 For 3-phase Simultaneous Multi UTPSX372A £191 For Simultaneous Multi Twin / Triple / Quad 	Comtest COMTEST £40 	Service Monitoring Tool UTYASSX £239 	Heat Sink Pack HSPACK01 £POA 

For VRF

Separation Tube			
UTPAX054A £53 Gas Pipe  Liquid Pipe 	UTPAX090A £61 Gas Pipe  Liquid Pipe 	UTPAX180A £90 Gas Pipe  Liquid Pipe 	UTPAX567A £157 Gas Pipe  Liquid Pipe 
UTPBX090A £67 Suction Gas Pipe  Discharge Gas Pipe  Liquid Pipe 	UTPBX180A £96 Suction Gas Pipe  Discharge Gas Pipe  Liquid Pipe 	UTPBX567A £162 Suction Gas Pipe  Discharge Gas Pipe  Liquid Pipe 	UTPBX180A £90 For DX-Kit 

Header

UTRH0906L £163 UTRH1806L £165 Gas Pipe  Liquid Pipe 	UTRH0908L £167 UTRH1808L £171 Gas Pipe  Liquid Pipe 	UTRJ0906A £218 UTRJ1806A £224 Suction Gas Pipe  Discharge Gas Pipe  Liquid Pipe 	UTPJ0908A £229 UTPJ1808A £234 Suction Gas Pipe  Discharge Gas Pipe  Liquid Pipe 
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Outdoor Unit Branch Kit

UTPCX567A £157 Gas Pipe  Liquid Pipe 	UTPDX567A £162 Suction Gas Pipe  Discharge Gas Pipe  Liquid Pipe 	USB Adaptor £468 USB75010R Needed for UTYASGXZ1 UTYAMGXZ1 UTYALGXZ1 UTYAPGXZ1 UTYABGXZ1 	Outdoor Unit Strip & Rebuild From £1800 (Terms & Conditions Apply) 
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For VRF

EV Kit	RB Unit	
Model code ≤ 09 : UTREV09XB £71 Model code ≤ 12 : UTREV14XB £71 For Compact Wall Mounted type	UTPRX01AH £337 / UTP-RX01BH £372 / UTPRX01CH £427 Single type	UTPRX04BH £1345 Multi type
		

Specifications

Separation Tube

Model name		UTPAX054A	UTPAX090A	UTPAX180A	UTPAX567A
Total cooling capacity of indoor unit (kW)		19.6 or less	28.0 or less	28.1 to 56.0	56.1 or more
List Price	£	53	61	90	157

Model name		UTPBX090A	UTPBX180A	UTPBX567A
Total cooling capacity of indoor unit (kW)		28.0 or less	28.1 to 56.0	56.1 or more
List Price	£	67	96	162

Header

Model name	3-6 Branches	UTRH0906L	UTRH1806L
Model name	3-8 Branches	UTRH0908L	UTRH1808L
Total cooling capacity of indoor unit (kW)		28.0 or less	28.1 to 56.0
System List Price	£	163 / 167	165 / 171

Model name	3-6 Branches	UTPJ0906A	UTPJ1806A
Model name	3-8 Branches	UTPJ0908A	UTPJ1808A
Total cooling capacity of indoor unit (kW)		28.0 or less	28.1 to 56.0
List Price	£	218 / 229	224 / 234

Outdoor unit Branch kit

Model name		UTPCX567A (for V-III)	UTPDX567A (for VR-II)
Number of outdoor unit	2 outdoor units	1	
	3 outdoor units	2	
List Price	£	157	162

EV Kit

Model name		UTREV09XB	UTREV14XB
Application model		ASYE04GACH ASYE07GACH ASYE09GACH	ASYE12GACH ASYE14GACH
List Price	£	71	71

RB Unit

Type		Single type			Multi type
Model name		UTPRX01AH	UTPRX01BH	UTPRX01CH	UTPRX04BH
Power source	V/Ø/Hz	230/ 1 / 50			
Input power	W	17	24	31	96
Number of branches		1	1	1	4
Maximum capacity of connectable indoor units (Q)	kW	$Q \geq 8.0$	$Q \leq 18.0$	$Q \leq 28.0$	$Q \leq 56.1^{*1}$
Maximum capacity of connectable indoor units per branch (Q)	kW	$Q \geq 8.0$	$Q \leq 18.0$	$Q \leq 28.0$	$Q \leq 18.0$
Maximum number of connectable indoor units per branch		3	8	8	8
Dimensions (H×W×D)	mm	198×298×268			260×658×428
List Price	£	337	372	427	1345

*1: In case of two RB units connected in series (total 8-branches), maximum capacity of connectable indoor units is up to 56.0 kW.

Extensive monitoring and analysis functions for installation and maintenance

- Operation status can be checked and analysed to detect even the smallest abnormalities
- Storage of data on system operation status on a PC allows access even from off site.
- Up to 400 indoor units (a single VRF network system) can be controlled and monitored for large scale buildings or hotels
- This software can be connected to any point of transmission line with USB adaptor (locally purchased)
- * The saved data can be displayed offline. However, the data saved by the following model cannot be displayed.
 - UTR-YSTB / UTR-YSTC (Service Tool)
 - UTR-YMSA (Web Monitoring Tool)

Note: Older Version UTY-ASGX will be sent out while stocks last
Differences between the versions are the software on the original is on a CD rom and the product key USB is a different colour

Automatic operation check for refrigeration cycle

After product installation, operation check can be performed automatically. Self-diagnosis function automatically judges whether each sensor value is normal, so the operation check work can be reduced. The diagnosis can also be output for a report.



[Note] Use only as a guide and judge for yourself finally.

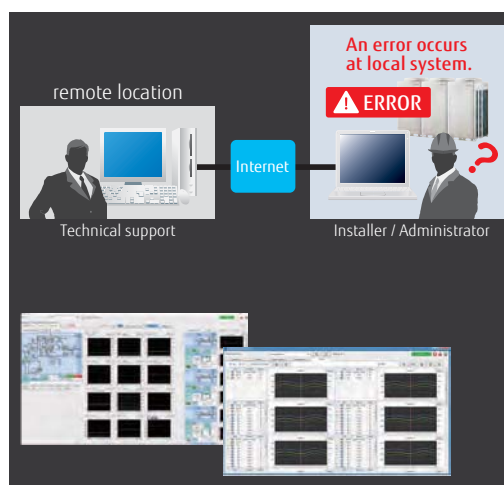
Whether each sensor value is normal is judged automatically.

- ✓ Discharge temperature normal value **OK**
- ✓ Super heat volume normal value **OK**
- ✓ High pressure pipe normal value **OK**
- ✓ Low pressure pipe normal value **OK**
- ...etc.



Remote technical support & maintenance

On-site check screen can be shared with the engineer on site. When visiting for troubleshooting on site, operation status can be shared in real time and get assistance easily. Online chat function helps to support on site staff.



Various trend graph display

Previously, only 3 kinds of each sensor value can be displayed. However, multiple graphs can be displayed in new Service Tool depending on the situation. The refrigeration cycle can be checked in detail.

Personal computer system requirements

	UTYASGXZ1
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 Vista®, 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
Display	1366 x 768 or higher resolution
Interface	• 2 USB ports - 1 USB port is required for software protection key connection - 1 USB port is required for Echelon® U10 USB Network Interface
Software	Internet Explorer® 11 or Microsoft Edge / Adobe® Reader® 9.0 or later

Packing list

Name and shape	Quantity	Application
WHITE-USB-KEY (Software protection key)	1	Software protection key to be connected to USB port on the Service Tool-installed PC. These products run only on a PC with WibuKey.
List Price	£	629

- Personal computer that satisfies the following system requirements
- Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model number: 75010R) (Required for each VRF Network.)

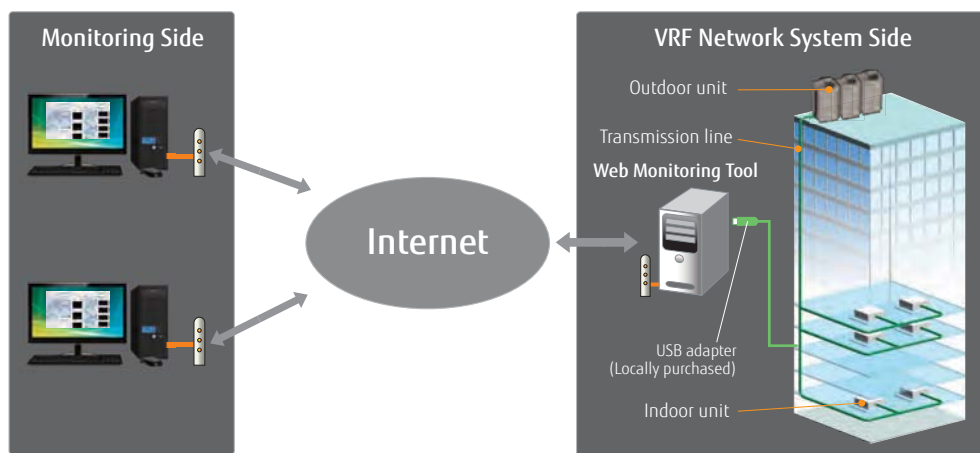
Product features

- Troubleshooting is performed by monitoring each air conditioning unit remotely during periodical system checks.
- Error notification can be automatically transmitted to several locations using the internet*1.
- Requires either a dedicated internet connection or public telephone line.
- Determination of an error occurrence can be made through error warnings and equipment status information obtained from a remote location.
- The monitoring data in a remote side can be optionally downloaded. And, this data can be displayed in offline mode of the service tool.
- Monitoring side computer is not required to install special software, requires only general web browser.

*1: Use of internet mail system required.

Note: Older Version UTY-AMGX will be sent out while stocks last
Differences between the versions are the software on the original is on a CD rom and the product key USB is a different colour

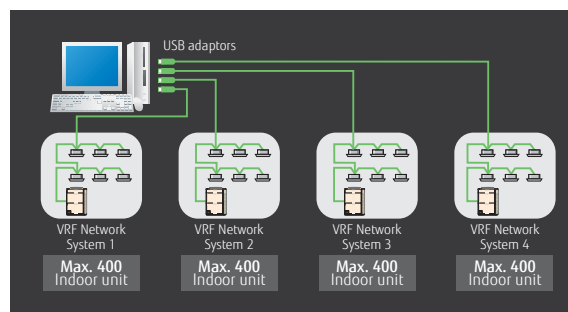
Web Monitoring System



Support 4 VRF network systems

USB adaptor (max. 4 adaptors per PC) permit, monitoring of up to 1,600 indoor units.

Suitable for large-scale buildings or hotels.



Personal computer system requirements

UTYAMGXZ1	
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 Vista®, 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
Display	1366 x 768 or higher resolution
Interface	• USB port (for 10 USB Network Interface Max.4, Software protection key) • Either of the following interface is required for remote connection: - Internet using LAN: Ethernet port is required
Software	Internet Explorer® 11 or Microsoft Edge / Adobe® Reader® 9.0 or later

Packing list

Name and shape	Quantity	Application
WHITE-USB-KEY (Software protection key)	1	Software protection key to be connected to USB port on the Service Tool-installed PC. These products run only on a PC with WibuKey.
List Price	£	POA

- Personal computer that satisfies the following system requirements
- Echelon® U10 USB Network Interface – TP/FT-10 Channel (Model number: 75010R) (Required for each VRF Network.))

Refrigerant Leak Detection



The F-Gas regulations are an EU environmental regulation brought into effect on the 4th July 2007, as part of the European Union's obligations under the Kyoto protocol. F-gasses or HFC's (hydrofluorocarbons) can cause harm to our environment and cause climate change. These regulations are directed at reducing cover both pure HFC's such as R134a and blends like R404a.

Refrigerant Leak Detection

To Meet the requirements of BS-EN378 all split / VRF systems containing refrigerant gasses installed in a Category Class A space (Hotel Bedroom or similar) must meet the limitations regarding maximum system refrigerant volumes that could leak within the space

Fujitsu's Design Simulator program can be used to accurately calculate the actual refrigerant volumes based on the system size and the proposed pipe-work lengths and configuration

If these aforementioned limitations are exceeded there must be an alarm system to alert the occupier through both audible and visual indication, this alarm must also alert the staff such as supervisors, night porters etc.

There is no specific requirement for the alarm system to be linked to the refrigerant system to pump down or stop the operation.

Individual Sensors



TQ31

Monitors all refrigerant gasses typically used in air conditioning systems

Stand alone, single point refrigerant detector and alarm unit ideal for room monitoring.

Resistant to cross sensitivity from hairspray and deodorants so are ideally suited in a hotel / Bedroom environment.

Designed as a single point, self contained unit but can be connected to a TQ32 Area Alarm panel for remote monitoring and group alarms.

Area Alarm Panels & Indicator Panel



TQ32 (32 Channel & 64 Channel)

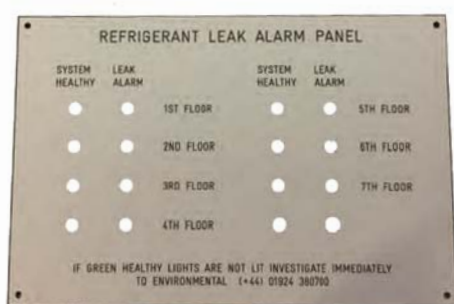
Upto 64 individual sensor inputs gives wide area coverage

The TQ32 Area Alarm Panel combined with the TQ31 sensors enables the group monitoring of individual rooms for common refrigerants used in air conditioning systems

Designed for hotel or office use, a single alarm panel will typically monitor 1 or 2 floors depending on the number of sensors needed.

The 3 digit LED display shows individual room numbers.

Configurable alarm outputs can provide plant trip signals and alert the reception desk, via the optional TQ34 indicator panel or a 3rd party alarm.



TQ34

Upto 8(max) Area Alarm Panel inputs for whole building coverage

The TQ34 Floor Indicator Panel combined with the TQ32 Area Alarm Panels and the TQ31 Individual Sensors enables the monitoring of the entire building

Designed for hotel or office use, a Indicator panel will typically monitor 1-8 floors depending on the number of Area Alarm panels used

Specifications

Model name	TQ31	TQ32 (32 Channel)	TQ32 (64 Channel)	TQ34
Power Source	220/240v 50Hz	220/240v 50Hz	220/240v 50Hz	220/240v 50Hz
Power Consumption	<1.5w	<1.5w	<1.5w	<1.5W
Max switching current (Amp)	2	2	2	2
Indicator LED's	Power, Alarm	Power, Alarm, Room Number	Power, Alarm, Room Number	Power, Alarm, Floor Number
Audible Alarm (minimum dB)	75	85	85	85
Gases Detected	Halocarbon Refrigerants	—	—	—
Detection Range	10000 PPM (factory set 1000-5000)	—	—	—
Dimensions (H x W x D) (mm)	85 x 146 x 50	364 x 284 x 120	364 x 284 x 120	364 x 284 x 120
Weight (Kg)	0.3	1 approx.	1 approx.	1 approx.
List Price	£ 288	2271	2574	1969





PRODUCT LINEUP: VRF

VENTILATION

For LIGHT COMMERCIAL
& RESIDENTIAL,
COMMERCIAL



Effective heat exchange and simultaneous fresh air ventilation

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



LINEUP

Airflow rate (m³/h)	250	350	500	800	1000	1500	2000			
Energy Recovery Ventilator Page 208										
ERV Options Page 210	UTZ-BD025C	UTZ-BD035C	UTZ-BD050C	UTZ-BD080C	UTZ-BD100C					
Outdoor Air Unit Page 212										
					ARXH054GTAH	ARXH072GTAH	ARXH096GTAH			
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 Page 214										
	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

198 Energy Recovery Ventilator
204 DX-Kit for Air Handling Application

Energy Recovery Ventilator

Energy recovery ventilator unit offers maximum comfort and greater energy savings.

Heat exchange ventilation and normal ventilation

Heat exchange ventilation

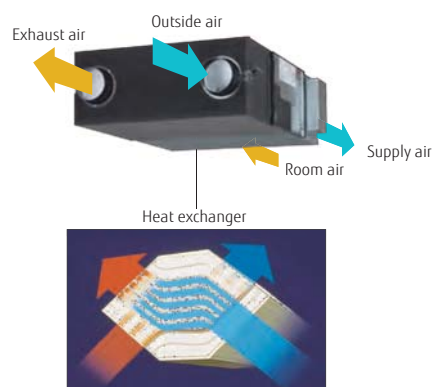
When a room is cooled or heated, the exhausted cooling / heating energy is recovered by heat-exchange ventilation.

Normal ventilation

The operation is used during periods when the room space requires no cooling or heating effect, i.e. when there is minimal temperature difference between the indoor and outdoor environments.

Energy efficiency and ecology

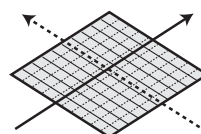
Energy consumption is dramatically reduced by using a counter-flow heat-exchange element. Air conditioning load is reduced by approximately 20%, resulting in significant energy savings. Recovers up to 77% of the heat in the outgoing air.



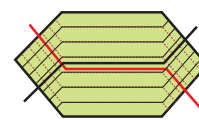
Adopts a highly efficient counter-flow heat exchange element

Features of heat exchange element

With the cross-flow element, air moves in a straight line across the element. With the counter-flow element, air flows through the element for a longer time (longer distance), so the heat-exchange effect remains unchanged.



Other element
(Cross-flow element)



Fujitsu element
(Counter-flow element)

Quiet operation

Significantly reducing low pressure loss and noise allows low-noise operation.

25.5dB
(UTZBD035C)

Extended range of an external static pressure

External static pressure is improved by adopting a powerful fan motor. This allows for application in a wide variety of buildings.

Slim shape and easier installation

Counter-flow heat exchange element used for reduced noise and slimmer, more compact body shape.

Height
270 mm
UTZ-BD025C



Height
388 mm
UTZ-BD080C/BD100C

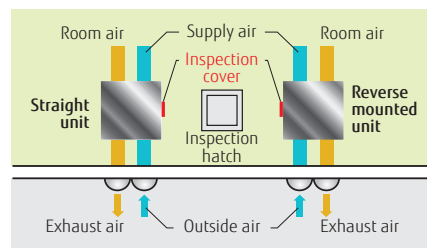


Height
317 mm
UTZ-BD035C/BD050C



Reverse mountable direct air supply / exhaust system

Adoption of straight air supply / exhaust system: Duct design is simplified because the air supply / exhaust ducts are straight. Since each unit can be mounted in reverse position, only one inspection hole is needed for two units: Two units can share one inspection hole so duct work is easier and more flexible.



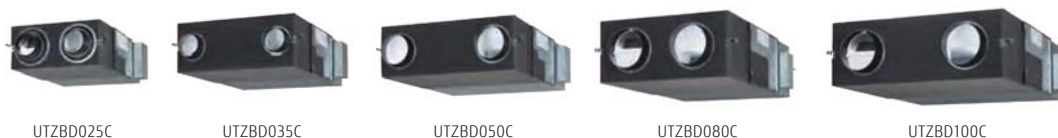
Simple remote operation

Easy operation by connecting a liquid crystal switch

- POWER ON/OFF
- Air volume High/Low
- Heat exchange/Normal Ventilation
- ON/OFF Timer
- Clean filter display



Model : UTZBD025C / UTZBD035C / UTZBD050C / UTZBD080C / UTZBD100C



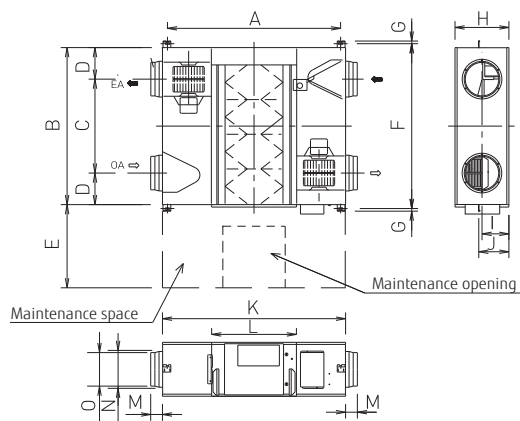
Specifications

Rated flow rate				250 m³/h	350 m³/h	500 m³/h	800 m³/h	1000 m³/h
Model No.				UTZBD025C	UTZBD035C	UTZBD050C	UTZBD080C	UTZBD100C
Power source				220 - 240V, 50Hz				
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
	Air flow rate	(Extra high)/High/Low	m³/h	250 / 250 / 190	350 / 350 / 240	500 / 500 / 440	800 / 800 / 630	1000 / 1000 / 700
			l/s	69 / 69 / 52	97 / 97 / 66	138 / 138 / 122	222 / 222 / 175	277 / 277 / 194
	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 / 31 / 25.5	37.5 / 35.5 / 32.5	37.5 / 37 / 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
	Air flow rate	(Extra high)/High/Low	m³/h	250 / 250 / 190	350 / 350 / 240	500 / 500 / 440	800 / 800 / 630	1000 / 1000 / 700
			l/s	69 / 69 / 52	97 / 97 / 66	138 / 138 / 122	222 / 222 / 175	277 / 277 / 194
	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 / 31 / 25.5	38.5 / 38 / 32.5	37.5 / 37 / 34.5	40.5 / 39.5 / 36.5
Dimensions		W×D×H	mm	882 x 599 x 270	1050 x 804 x 317	1090 x 904 x 317	1322 x 884 x 388	1322 x 1134 x 388
Weight			kg	29	49	57	71	83
Outlet duct diameter			mm	150	150	200	250	250
Operation range			°C	-10 to 40	-10 to 40	-10 to 40	-10 to 40	-10 to 40
Maximum humidity			%	85	85	85	85	85
List Price			£	929	1141	1405	1919	2255

* The noise level must be measured 1.5 m below the centre of the unit.

Dimensions

(Unit : mm)



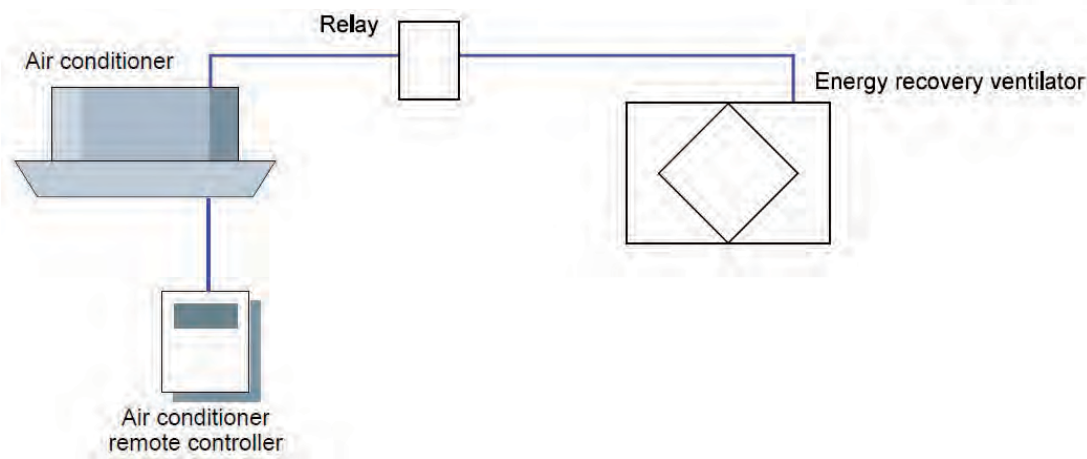
	UTZBD025C	UTZBD035C	UTZBD050C	UTZBD080C	UTZBD100B
A	810	978	1018	1250	1250
B	599	804	904	884	1134
C	315	580	640	428	678
D	142	112	132	228	228
E	600	600	600	600	600
F	655	860	960	940	1190
G	19	19	19	19	19
H	270	317	317	388	388
I	135	159	159	194	194
J	159	182	182	218	218
K	882	1050	1090	1322	1322
L	414	470	470	612	612
M	95	70	70	85	85
N	Ø164	Ø164	Ø210	Ø258	Ø258
O	Ø144	Ø144	Ø194	Ø242	Ø242

Energy Recovery Ventilator Options

Energy recovery ventilator unit offers maximum comfort and greater energy savings.

ERV RELAY

This accessory will allow an Energy Recovery Ventilator unit to start & stop in unison with the connected indoor unit
(There will be no control over on / off, fan speed or damper bypass)



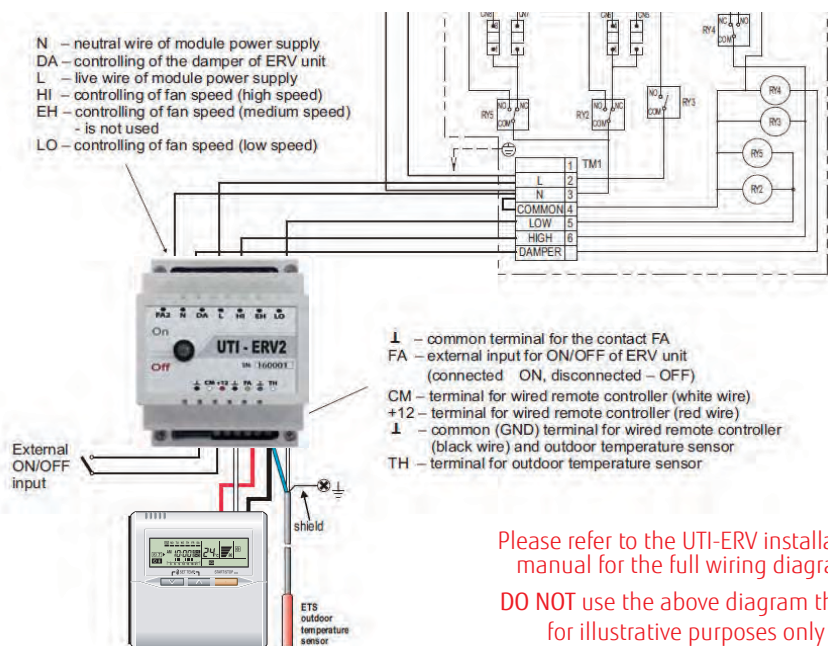
Model Name		UTY-ERVRELAY1	
Power source		208 - 240V, 50Hz, Single Phase	
Dimensions (H x W x D)	mm	TBC	
Weight	g	TBC	
List Price	£	76	

Hard wired Control Interface

In order to use a Fujitsu hard-wired controller with the ERV units an interface is required

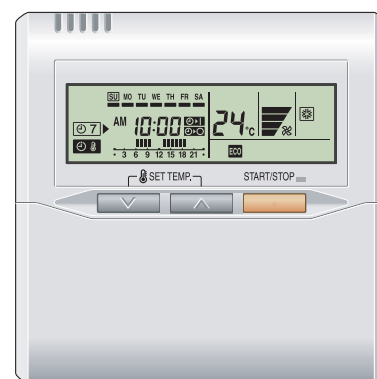
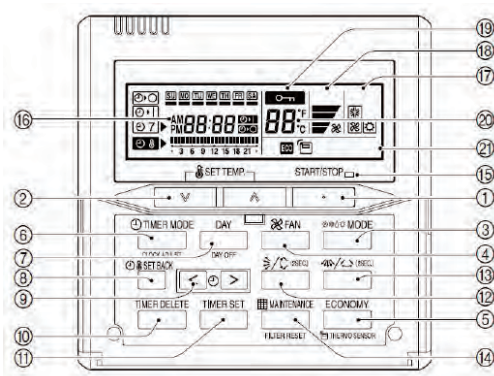
The UTIERV2 interface provides the following features:-

- UTI-ERV2 interface is supplied with an outside air intake duct sensor for control of the ERV bypass damper e.g. heat recovery or "free cooling" bypass mode
- Dry contact terminals for remote on/off e.g. from BMS
- Allows the use of a Fujitsu UTY-RNNYM* hard wired controller which has the following features:
- Allows ERV fan speed selection from the remote controller
- Controller has an integral 7 day programmable time clock
- Controller has temperature selection for auto control of the damper
- Filter clean indicator facility
- Manual or Auto control of the bypass damper



Please refer to the UTI-ERV installation manual for the full wiring diagram
DO NOT use the above diagram this is for illustrative purposes only

Description of the buttons on UTY-RNNYM remote



Model Name		UTIERV2	UTYRNNYM
Power source		208 - 240V, 50/60Hz, Single Phase	From UTIERV2
Power Consumption	W	6.5	-
Dimensions (H x W x D)	mm	67 x 288 x 211	120 x 120 x 18
Weight	g	1,500	160
List Price	£	366	100

*UTYRNNYM to be ordered separately

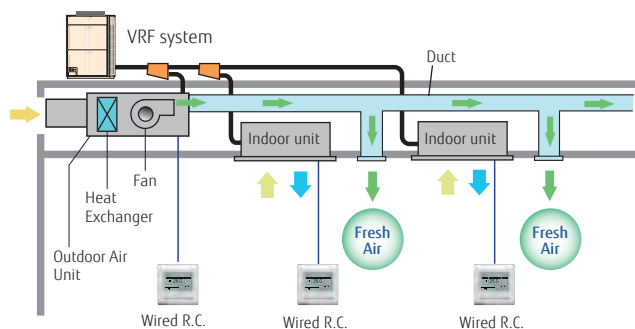
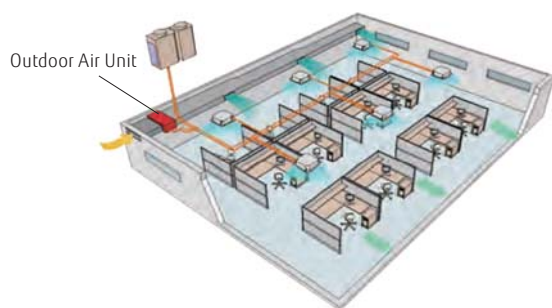
Outdoor Air Unit

The Outdoor Air Unit efficiently processes the outdoor air for cooling heating and supplies 100% fresh air into a room.

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

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

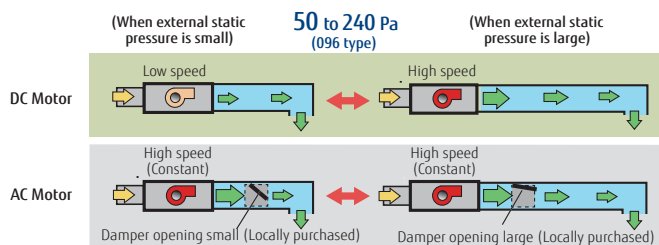
*1. Connectable VRF series: J-IIS, J-II, J-III, J-III-L, V-III, VR-II, OAU is prohibited to connect under the ambient temperature of 40°C or higher.



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

High energy savings and flexible duct design by using a DC fan motor

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



Compact design

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



Various Controllers

Variety of control options can be supplied, such as individual controller, central controller, and building management controller.

Individual Controller



Central Controller



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

Model : ARXH054GTAH / ARXH072GTAH / ARXH096GTAH Production by order



ARXH054GTAH



ARXH072GTAH



ARXH096GTAH

Specifications

Model name			ARXH054GTAH	ARXH072GTAH	ARXH096GTAH
Power source		V/Ø/Hz	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	14.0	22.4	28.0
	Heating	kW	8.9	13.9	17.4
Input Power	Cooling/Heating	W	179	292	370
Airflow Rate		m ³ /h	1,080	1,680	2,100
Static Pressure	Standard (range)	Pa	185 (50-185)	200 (50-200)	200 (50-240)
Sound Pressure Level		dB (A)	42	44	47
Dimensions (H x W x D)		mm	425×1,367×572	425×1,367×572	450×1,583×700
Weight		kg	48	55	71
Connection Pipe Diameter (Small / Large)		Inch	3/8 & 3/4	1/2 & 7/8	1/2 & 7/8
Operation Range	Cooling	°CDB	5 to 43	5 to 43	5 to 43
	Heating	°CDB	-7 to 21	-7 to 21	-7 to 21
Refrigerant			R410A	R410A	R410A
List Price		£	2480	4008	4238

Note : Specifications are based on the following conditions.

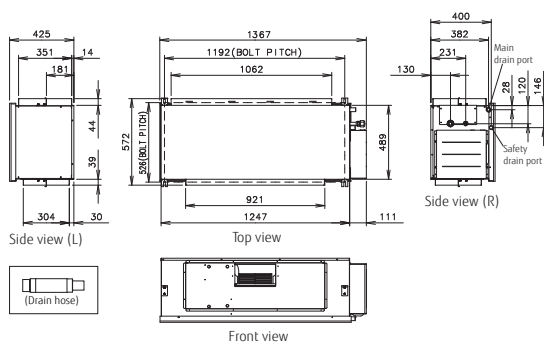
Cooling : Outdoor temperature of 33°CDB / 28°CWB.
Heating : Outdoor temperature of 0°CDB / -2.9°CWB.

Pipe length : 7.5 m Voltage : 230 [V].

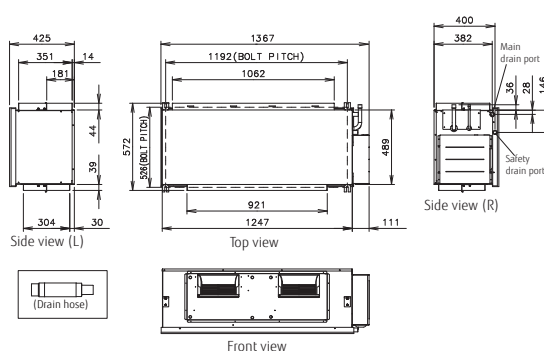
Dimensions

(Unit : mm)

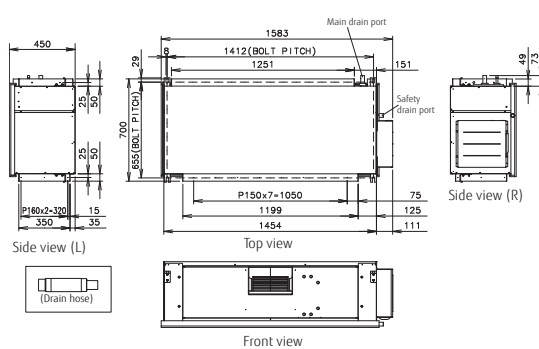
ARXH054GTAH



ARXH072GTAH



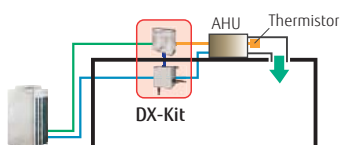
ARXH096GTAH



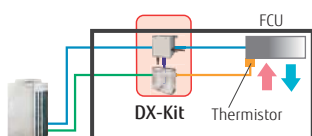
DX-Kit for Air Handling Applications

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

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

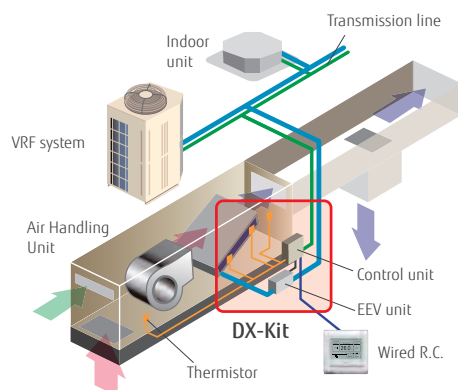


When connecting to an air handling unit, the supply air temperature is controlled by the discharge sensor.



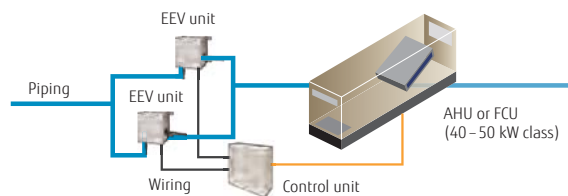
When connecting to a fan coil unit, the room temperature is controlled by the return air temperature sensor.

Arrangement as part of a VRF system



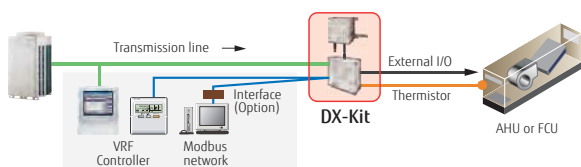
Supports a wide range of capacity classes

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

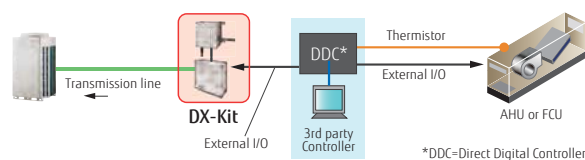


A variety of controls to match the application

Central control using our VRF controllers or central management controllers



Central control from external controllers



*DDC=Direct Digital Controller

Functions Summary

Inputs

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

Outputs

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

MODBUS® Control

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

For 2 EEV units connection (option)
Separation Tube: UTP-LX180A £90

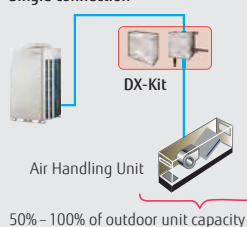


Installation Limitation

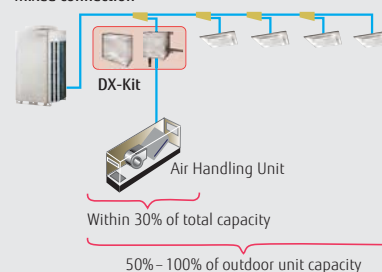
- Connectable VRF series: All VRF series
- Connectable DX-Kit system capacity range: 50 to 100% of the outdoor unit capacity
- Connectable DX-Kit system capacity range with indoor units: 30% or less of the outdoor unit capacity
- Max. wiring length from control unit: 10 m
- Max. piping length between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

Connectable capacity

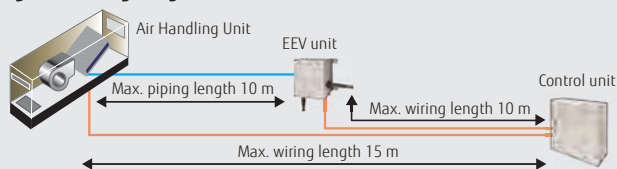
• Single connection



• Mixed connection

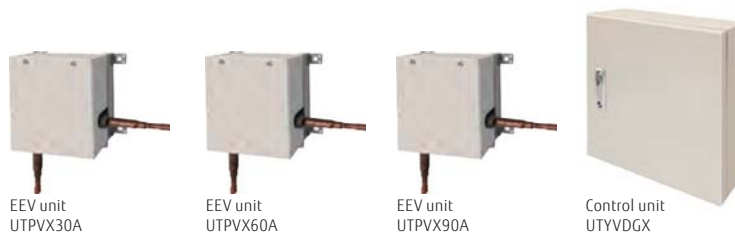


Piping and wiring length



Control unit: UTY-VDGX

EEV unit: UTPVX30A / UTPVX60A / UTPVX90A



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			UTYVDGX									
Power source		V/Ø/Hz	230/1/50									
Dimensions (H x W x D)		mm	400 × 400 × 120									
List Price		£	780									
EEV Unit			UTPVX30A			UTPVX60A			UTPVX90A		UTPVX90A x2	
Connection Pipe Diameter (Liquid)		mm	3/8			1/2			1/2		1/2	
Dimensions (H x W x D)			160 × 220 × 90									
List Price		£	240			240			240		480	

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].



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FUJITSU TRAINING

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All other Venues - Course 1, 2, 3, 4b, 5 & 6

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- Midlands
- Glasgow
- Belfast

Ireland - Dublin

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The following dates are available at our London training centre. If your preferred course, date or training centre is not shown please contact us to book a course at your nearest centre.

	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019
1								2
2	2						2	8
3	3						3	
4	8		2				8	
5			3		2	5		
6		2			3	10		
7		3			8			
8				2				5
9				3			5	3
10	5			8			6	
11	6		5				10	
12			6		2	2		
13		2			6	3		
14		3				8		2
15		5		5				3
16	2			6			2	8
17	3						3	
18	8		2				8	
19			3		2	2		
20		2	8		3	3		
21		8			5			
22				2				
23	10			3				
24	2			8				
25								
26								
27								
28								
29								
30								
31								

Table Key Course Number

1
2
3
4a
4b
5
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7
8
9
10

Product Group

ALL
SS,MS
Mini VRF
VRF
VRF
VRF
VRF
R32
TBC
AHU

Course Title

An introduction to the Fujitsu Product Portfolio
Split and Multi Split Systems - Installation, Commissioning and Troubleshooting
Mini VRF - Installation, Commissioning and Troubleshooting
Application and Design (Inc Design Simulator)
Design Simulator (Software only)
Installation and Commissioning
Advanced Service and Troubleshooting (Inc Service Tool)
VRF Central Controllers - Installation and Commissioning
An insight into R32 - Installation, Commissioning, Troubleshooting
TBC
AHU DX Kit and Freeverter Options - Design, Installation and Commissioning

For more details on our training courses please contact Fujitsu General Air Conditioning (UK) on

Email: training@fgac.fujitsu-general.com

Phone: +44 (0)208 731 3450

Website: www.fujitsu-general.com/uk

R22 REPLACEMENT

Pipe work re-use guidelines for Split Systems

Model	Liquid Pipe	1/4				3/8			1/2			5/8	Additional Charge	
	Suction Pipe	3/8	1/2	5/8	3/4	1/2	5/8	3/4	5/8	3/4	1 1/8	1 1/8		
ASYG07-12LM		S	20	—	—	8	—	—	—	—	—	—	50g/m	
ASYG07-12LU			15			6								
ASYG09-12LT														
ASYG14LM		—	S	20	—	8	8	—	—	—	—	—	50g/m	
ASYG14LU				15		6	6							
ASYG18LF		—	S	25	—	10	10	—	—	—	—	—	50g/m	
				15		6	6							
ASYG24LF		—	—	S	30	—	12	12	—	—	—	—	50g/m	
					15		6	6						
ASYG30-36LM		—	—	—	—	—	S	50	20	20	—	—	90g/m	
								20	9	9				
AUYG12LV		S	25	—	—	10	—	—	—	—	—	—	50g/m	
ARYG12LL														15
ARYG12LH														
ARYG12LS														
AUYG14-18LV		—	S	25	—	10	10	—	—	—	—	50g/m		
ARYG14-18LL														
ARYG14-18LS														
ARYG14LH														
ABYG18LV														
AUXG18LR		—	S	30	—	12	12	—	—	—	—	—	50g/m	
ARYG18LH				15		6	6							
AUYG24LV		—	—	S	30	—	12	12	—	—	—	—	50g/m	
ARYG24LM														
ARYG24LH														
ABYG24LV														
AUXG24LR														
AUYG30-54LR (1~)		—	—	—	—	—	S	50	20	20	—	—	90g/m	
AUXG30-54LR														
ARYG30-45LM (1~)														
ARYG45-54LH (1~)														
ARYG30-54LH														
ABYG30-45LR (1~)														
AUYG36-54LR (3~)		—	—	—	—	—	S	75	30	30	—	—	90g/m	
ARYG36-45LM (3~)														
ARYG45-60LH (3~)														
ABYG36-54LR (3~)														
AOYG36-54LATT (3~)		—	—	—	—	—	S	75	30	30	—	—	90g/m	
AOYG36-54LBTB (1~)								30	10	10				

S - Standard Pipe Size

Red - Maximum Pipe Length

Green - No Additional Charge up to this length

The above table refers to the only recognised R22 re-use combinations

Existing R22 pipe work can only be re-used if it is free from defect and contamination, insulated on both lines, and the existing R22 system can be operated for 30 minutes in cooling mode.

All systems should be installed in accordance with the manufactures guidelines
Capacity and efficiency can be reduced when the STANDARD pipe sizes are not used.

Mobile Technician App

By FUJITSU GENERAL LIMITED



Error Detail	Indoor LED Display Flashes			Wired RC
	Operation	Timer	Economy	
Serial communication error	1	1	Continuous	11
Wired RC communication error	1	2	Continuous	12
Network communication error	1	4	Continuous	14
Check run unfinished	1	5	Continuous	15
Transmission/Peripheral connect error	1	6	Continuous	16
Refrigeration circuit address setting error	2	1	Continuous	21
Indoor unit capacity error	2	2	Continuous	22
Combination error	2	3	Continuous	23
Connection unit number error	2	4	Continuous	24
Address setting error	2	6	Continuous	26
Master/Slave unit set-up error	2	7	Continuous	27
Connection unit number error in WRC circuit	2	9	Continuous	29
Power supply interruption error	3	1	Continuous	31
Indoor PCB EPROM error	3	2	Continuous	32
Manual auto switch error	3	5	Continuous	35
Indoor unit WRC communication error	3	10	Continuous	3A
Inlet air temp sensor error	4	1	Continuous	41
Indoor Heat-Ex middle temp sensor error	4	2	Continuous	42
Indoor unit fan motor error	5	1	Continuous	51
Indoor EEV error	5	2	Continuous	52
Drain pump error	5	3	Continuous	53
Damper error	5	7	Continuous	57
Intake grille error	5	8	Continuous	58
Indoor unit error	5	15	Continuous	5U
Outdoor PCB/communication error	6	2	Continuous	62
Inverter error	6	3	Continuous	63
Active filter/PFC circuit error	6	4	Continuous	64
Trip terminal 'L' error	6	5	Continuous	65
Display PCB/communication error	6	10	Continuous	6A

Error Detail	Indoor LED Display Flashes			Wired RC
	Operation	Timer	Economy	
OU Discharge temp sensor error	7	1	Continuous	71
Compressor temp sensor error	7	2	Continuous	72
OU Heat-Ex liquid temp sensor error	7	3	Continuous	73
OU Ambient temp sensor error	7	4	Continuous	74
OU Suction ref temp sensor error	7	5	Continuous	75
2/3 way valve temp sensor error	7	6	Continuous	76
OU Heat sink temp sensor error	7	7	Continuous	77
Sub-cool inlet/outlet temp sensor error	8	2	Continuous	82
OU Liquid pipe temp sensor error	8	3	Continuous	83
OU current sensor error	8	4	Continuous	84
HP/LP pressure sensor/switch error	8	6	Continuous	86
OU Current trip detection	9	4	Continuous	94
Compressor rotor location detection error	9	5	Continuous	95
OU fan motor error	9	7	Continuous	97
OU fan motor 2 error	9	8	Continuous	98
4-way valve error	9	9	Continuous	99
Coil (expansion valve) error	9	10	Continuous	9A
Outdoor unit error	9	15	Continuous	9U
OU Abnormal discharge temp error	10	1	Continuous	A1
Abnormal compressor temp error	10	3	Continuous	A3
High Pressure error	10	4	Continuous	A4
Low pressure error	10	5	Continuous	A5
VRF Branch box error	13	1	Continuous	J1
8-Way Multi branch box error	13	2	Continuous	J2
Accessories	PCB LED	PCB LED		WRC
VRF RB: Cable crossed OU/RB - IU/RB	on solid	on solid	-	-
VRF RB: Coms/Main PCB error	on solid	Continuous	-	-
WRC: Incompatible IU connected	-	-	-	C0:15
WRC: Indoor - WRC comms error	-	-	-	C0:12

PRODUCT CATALOGUE 2018

AIR CONDITIONERS LINEUP



FUJITSU GENERAL AIR CONDITIONING (UK) LTD

Unit 150 Centennial Park, Centennial Avenue, Elstree, Herts. WD6 3SG
www.fujitsu-general.com/uk

Tel: +44 (0)208 731 3450 Fax: +44 (0)208 731 3451

Notice for specifications

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

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

Cooling	Indoor temp. : 27°C DB/19°C WB Outdoor temp.: 35°C DB/24°C WB
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UK Cooling Conditions	Indoor temp. : 23°C DB/16°C WB Outdoor temp.: 30°C
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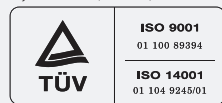
Heating	Indoor temp. : 20°C DB Outdoor temp.: 7°C DB/6°C WB
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- Performance test is in accordance with EN14511
- Seasonal efficiency test is in accordance with EN14825
- Sound power test is in accordance with EN12102
- Actual products' colours may be different from the colours shown in this printed material.

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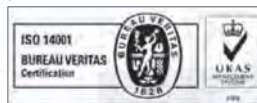


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Fujitsu General (Shanghai) Co., Ltd.



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ISO 9001 Certified number: 15914Q10065R4M
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