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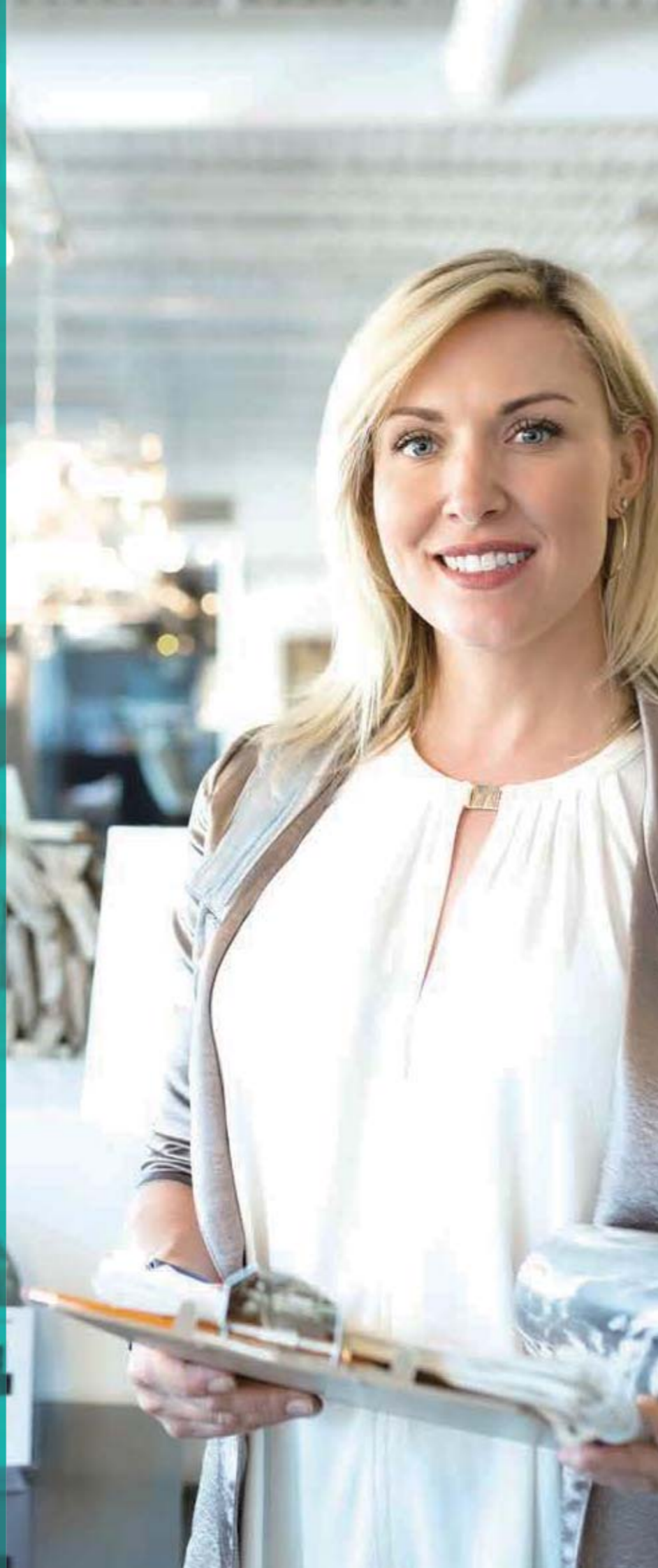
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LIGHT COMMERCIAL SOLUTIONS



SMALL OFFICES

We have systems suitable for air conditioning in offices on one floor with many rooms such as private rooms and meeting rooms.



HOTELS

Our new Small AIRSTAGE™ VRF outdoor units can be installed quickly and discretely due to their compact size.



SHOPS & RESTAURANTS

If using in shops or restaurants that have many people coming and going, we recommend Simultaneous multi and large pack products that achieve powerful air conditioning with a low noise design.

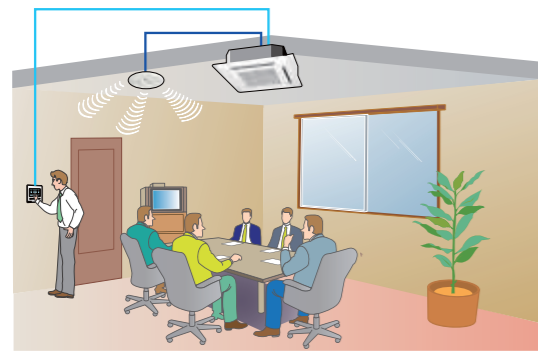
SMALL OFFICES

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



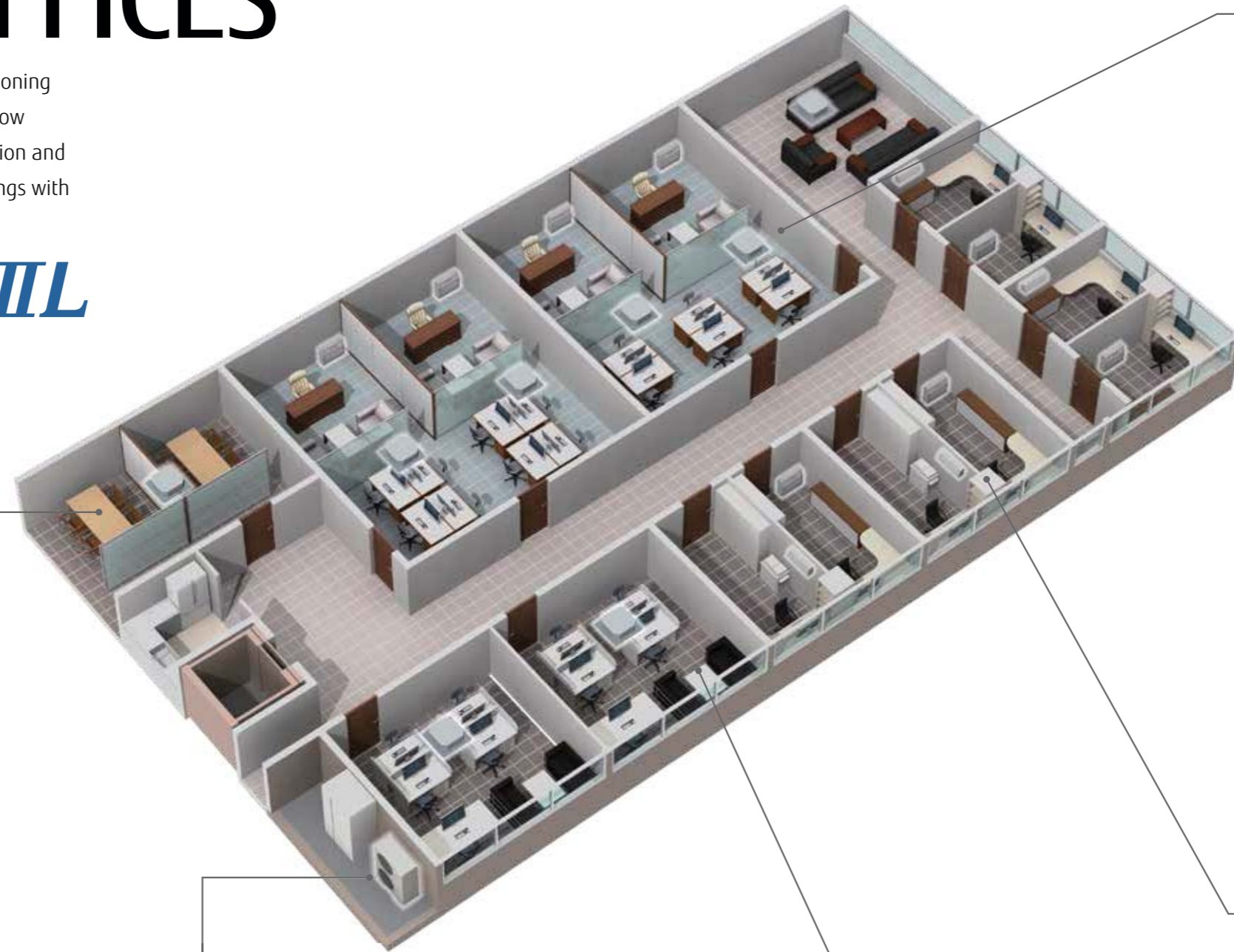
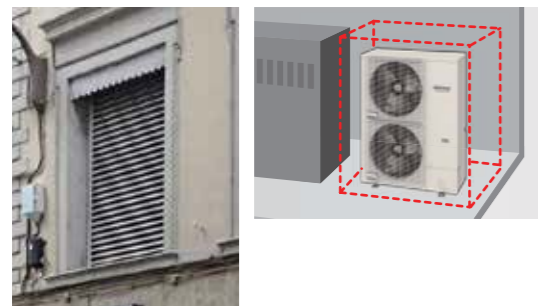
Energy saving solution suitable for meeting rooms and business discussion rooms

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.



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 louvers. Low noise operation is possible at nighttime by a low noise mode.



Small VRF System

Up to 12 HP by compact outdoor unit

Small VRF system is suitable for the buildings with many small rooms. Max. 30 indoor units can be connected.

Comfortable office air conditioning without airflow feeling



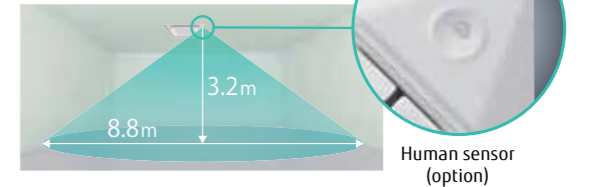
Circular Airflow Cassette blows out in all directions without temperature unevenness



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



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



Human sensor (option)

1.1 kW personal air conditioning



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

Centralized control of both air conditioning and lighting

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

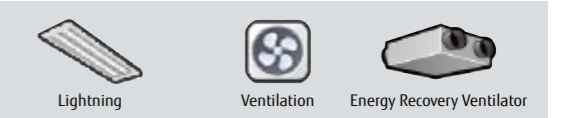
System Controller Lite



VRF indoor units



Facilities



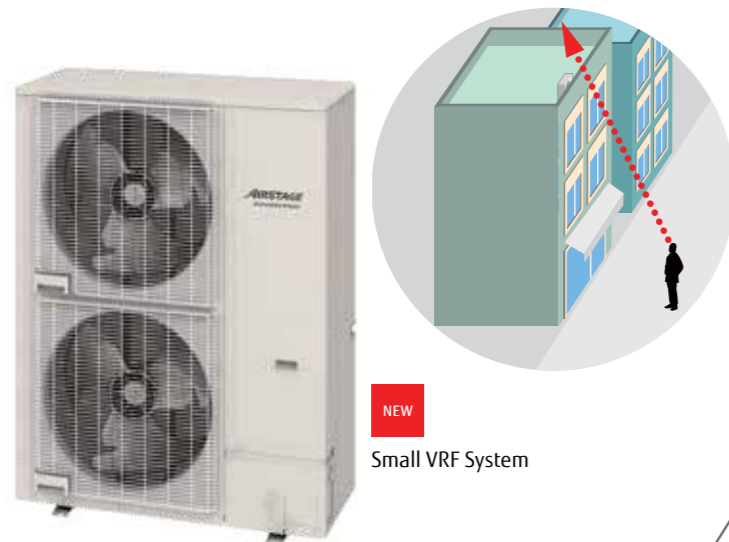
HOTELS

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.

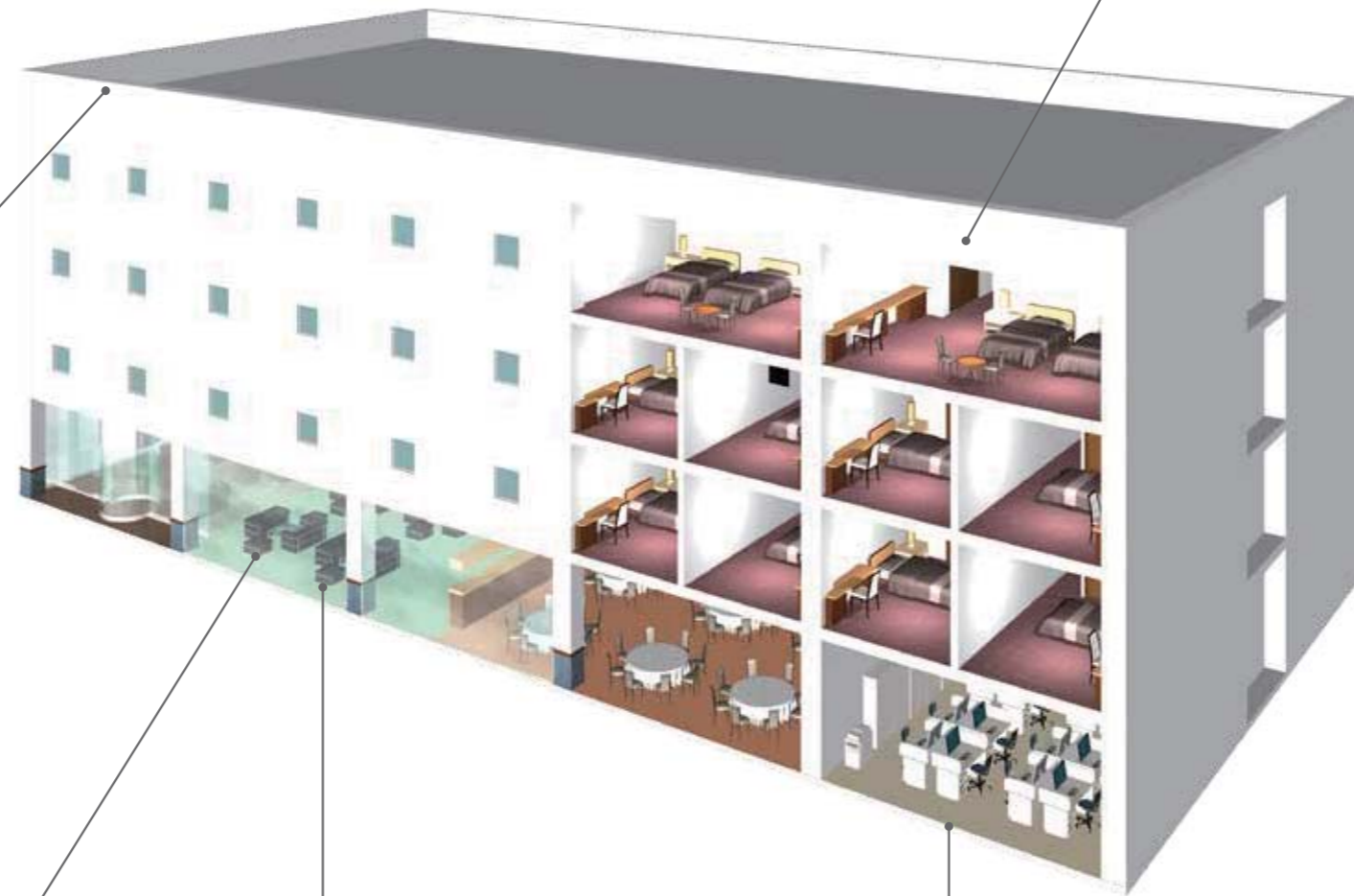
AIRSTAGE™ J-III L

Appearance-oriented compact outdoor unit

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



NEW
Small VRF System



Large space air conditioning in the reception and lobby

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



NEW
Big Duct

Ventilation of the whole hotel supported

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



Centralized control of air conditioning in shared spaces

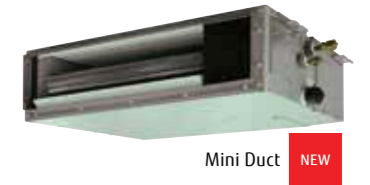
Air conditioning in shared spaces such as lobbies and hallways is controlled centrally. Temperature and operating conditions can be managed without the adjustment by guests.



System controller

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

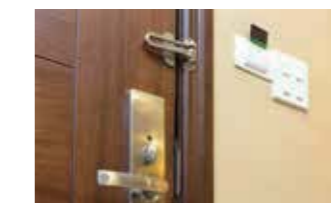
Space saving
Mini duct type with 198 mm height and 450 mm depth. This can be installed in narrow ceiling space easily.



Mini Duct NEW



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



Use of an external connect switch

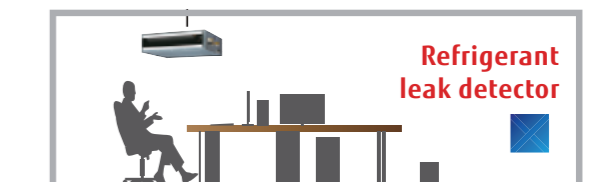
Comfortable airflow that switches up and down air directions
The Auto Louver Grille Kit achieves comfortable airflow by adjusting the air direction.



Simple Remote Controller with sophisticated design

Safety measures

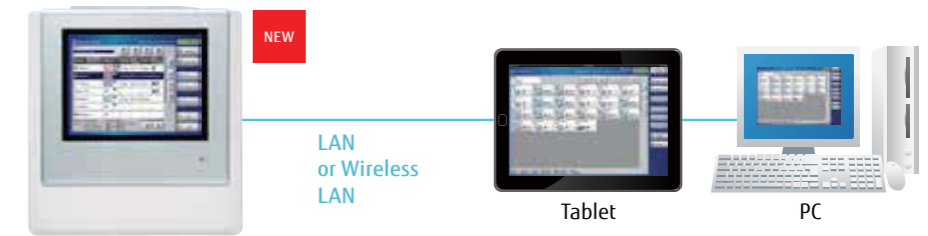
Refrigerant leak detection system is provided. This system detects a refrigerant leak and then sounds an alarm to shut off the leakage.



- Emergency stop in the event of an emergency
- Emergency stop function for each refrigerant system (VRF system)

SHOPS, RESTAURANT & COMPLEX BUILDING

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



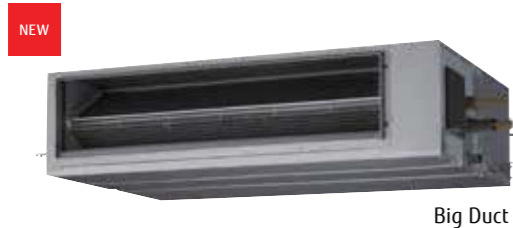
Centralized control of air conditioning for all tenants

Centralized control with simple touch panel operation of scheduled operation by tenant, centralized control and electricity charge apportionment



Remote monitoring of air conditioning

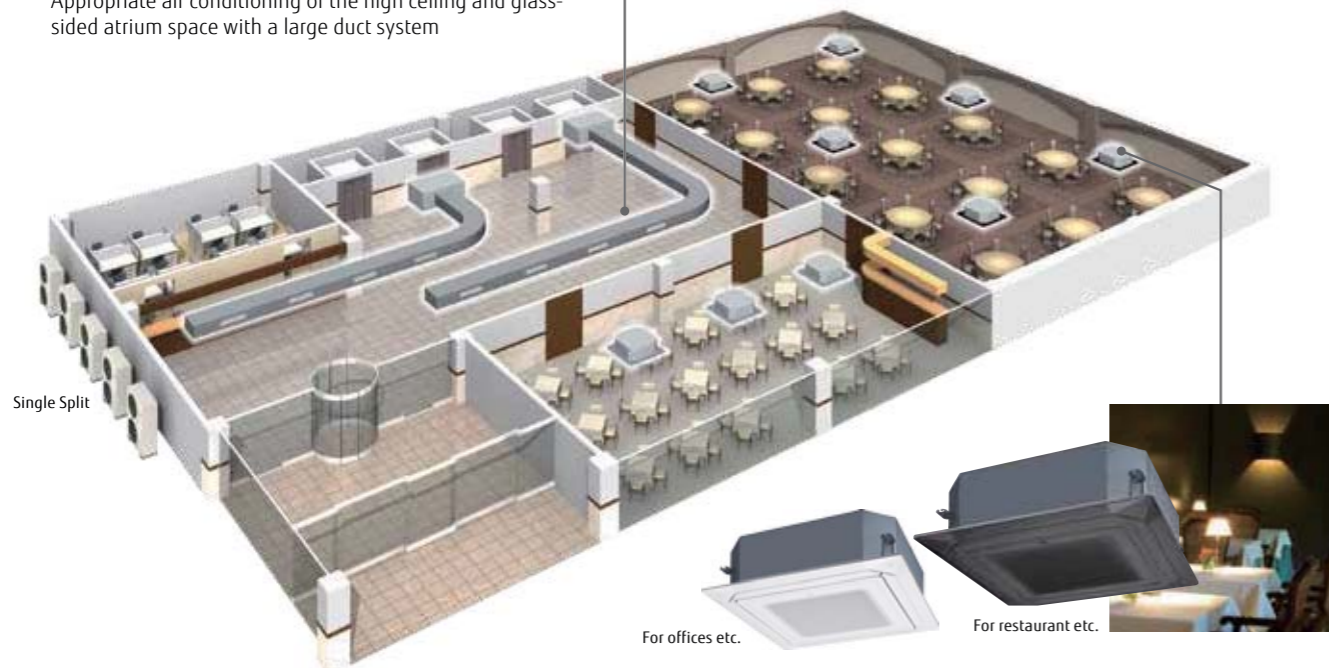
SMALL VRF **AIRSTAGE™** for COMPLEX BUILDING



Appropriate air conditioning in the atrium space

Appropriate air conditioning of the high ceiling and glass-sided atrium space with a large duct system

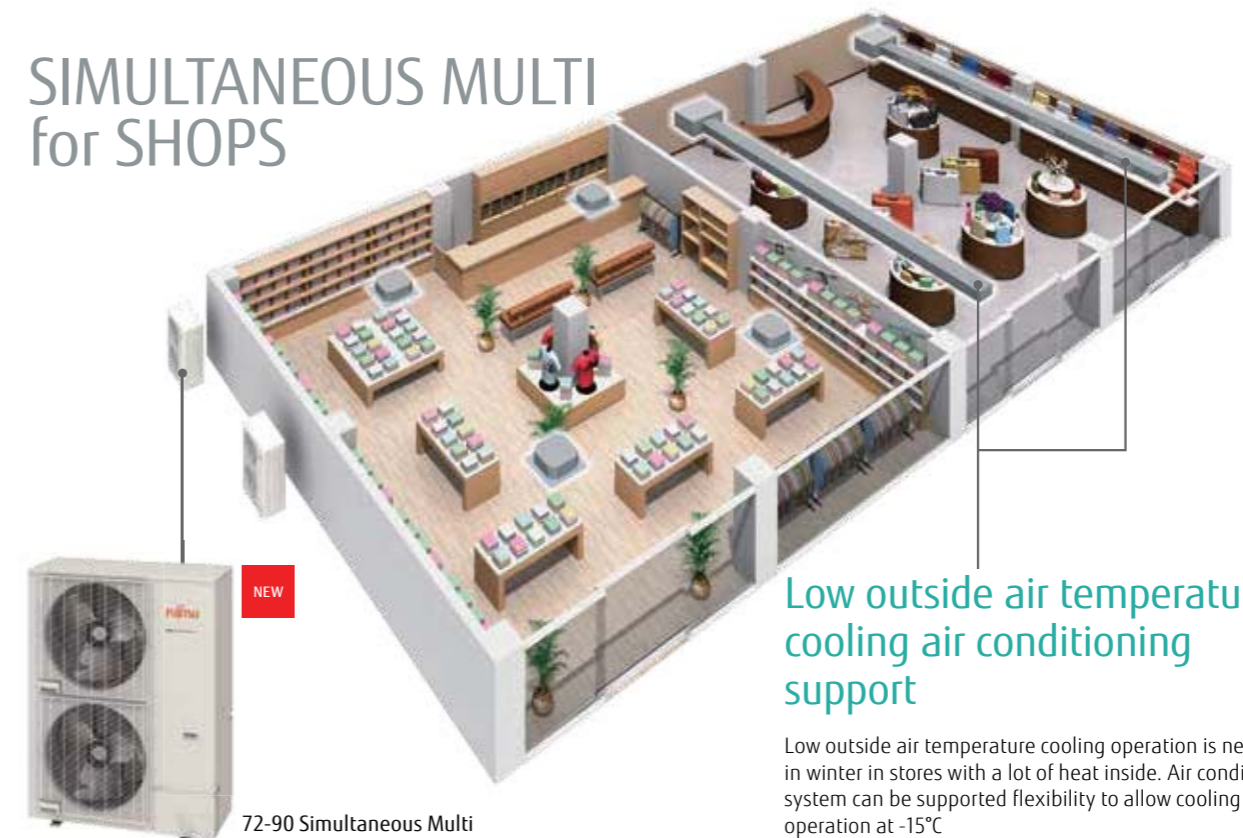
SINGLE SPLIT for RESTAURANT



Color variations by two panels

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

SIMULTANEOUS MULTI for SHOPS



Low outside air temperature cooling air conditioning support

Low outside air temperature cooling operation is necessary in winter in stores with a lot of heat inside. Air conditioning system can be supported flexibility to allow cooling operation at -15°C

Space saving installation

Simultaneous multi type can connect up to four air indoor units. This large capacity model makes large spaces comfortable simultaneously. Furthermore, this is top class compact outdoor unit in the industry

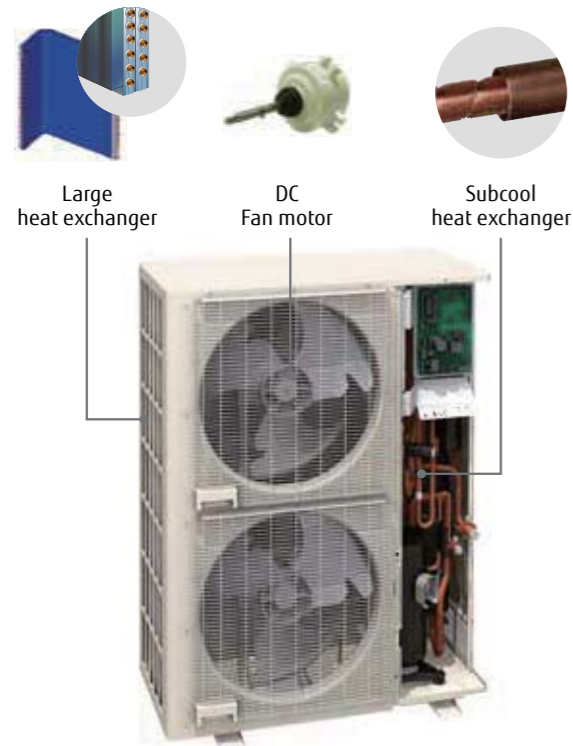


30-150 Pa Medium Static Pressure Duct

CORE TECHNOLOGY

High Energy Saving

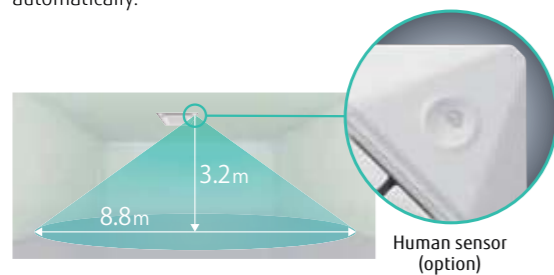
ALL DC High efficiency design with top class SEER/SCOP



AIRSTAGE™ J-III L

Human sensor control

Motion sensor save operation catches the movements of people for wide area and operation stop is also judged automatically.

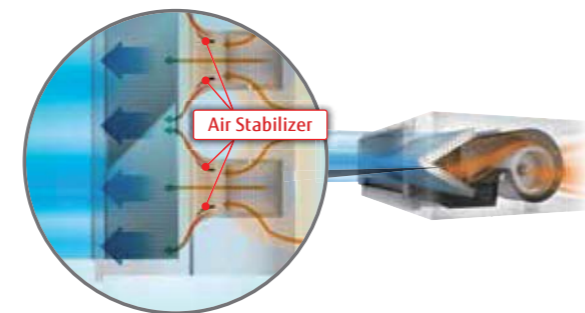


More Comfort

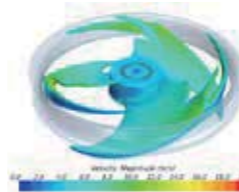
Individual Uniform air conditioning
Circular airflow to achieve uniform air conditioning without temperature unevenness in workspaces



Low Noise Quiet design
Duct type
Low noise duct structure with a built-in air stabilizer



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



Low Ambient Low ambient operation
Refrigeration cycle technology allows cooling operation even at -15°C.



Installation Flexibility

AIRSTAGE™
Small VRF Compact Outdoor Unit

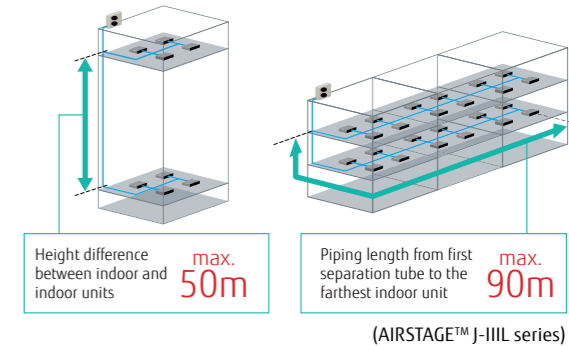


Compact Top class Compact design
Compact outdoor unit can be attained at the top class in the industry by optimal airflow structure design. (Up to 12 HP)

Small Refrigerant 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.



Long Piping Long piping design
Piping design suitable for long, narrow office buildings with a difference in height and low-rise shops with depth



Intake 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



SPLIT

For Light Commercial


















































SPLIT

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SPLIT Indoor Units



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

Type	Series	BTU						BTU					
		12	14	18	24	30	36	45	54	60	72	90	
Cassette Page 032~	Compact 4-way Flow Series Compact & Comfort Page 032	 AUYG12LVLB	 AUYG14LVLB	 AUYG18LVLB	 AUYG24LVLA								
	Circular Flow Series Comfort for Large Room Page 034			 AUXG18LRLB	 AUXG24LRLB		 AUXG30LRLB	 AUXG36LRLB	 AUXG45LRLB	 AUXG54LRLB			
	4-way Flow Series Comfort for Large Room Page 036						 AUYG30LRLE	 AUYG36LRLE AUYG36LRLA	 AUYG45LRLA	 AUYG54LRLA			
Duct Page 038~	 Mini Duct Page 038	 ARYG12LSLAP*	 ARYG14LSLAP*	 ARYG18LSLAP*									
	Slim Duct Page 040	 ARYG12LLTB	 ARYG14LLTB	 ARYG18LLTB									
	Medium Static Pressure Duct Compact & Comfort Page 042	 ARYG12LHTBP	 ARYG14LHTBP	 ARYG18LHTBP	 ARYG24LHTBP		 ARYG30LHTBP	 ARYG36LHTBP	 ARYG45LHTBP	 ARYG54LHTBP			
	Medium Static Pressure Duct Standard Page 044				 ARYG24LMLA		 ARYG30LMLE	 ARYG36LMLE ARYG36LMLA	 ARYG45LMLA				
	High Static Pressure Duct Page 046								 ARYG45LHTA	 ARYG54LHTA	 ARYG60LHTA		
	 Big Duct Page 048											 ARYG72LHTA*	 ARYG90LHTA*
Floor/Ceiling Comfort & Dual Design Page 050			 ABYG18LVTB	 ABYG24LVTA									
Ceiling Comfort for Large Room Page 052						 ABYG30LRTE	 ABYG36LRTE ABYG36LRTA	 ABYG45LRTA	 ABYG54LRTA				
Wall Mounted Page 054	Standard Range Series New Design & Large Capacity					 ASYG30LMTA	 ASYG36LMTA						

SPLIT and MULTI SPLIT Feature Explanation

Energy Saving Function

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

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

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

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

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

Comfortable Function

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

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

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

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

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

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

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

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

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

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

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

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

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

Convenient Function

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

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

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

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

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

Filter sign
Indicates the filter cleaning period by lamp.

External error output

External ON/OFF input

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

Clean Function

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

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

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

Long life filter

Installation

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

Drain pump as standard

Blue fin

ALL DC All DC models

i-PAM 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 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.

SPLIT and MULTI SPLIT Feature Summary

Type	Cassette			Duct						Floor/Ceiling	Ceiling	Wall Mounted
	Compact 4-way Flow	Circular Flow	4-way Flow	Mini	Slim	Medium Static Pressure	High Static Pressure	Big				
Model No.	AUYG12/14/18/LVLB, AUYG22/24/LVLA	AUXG18/24/30/36/45/54/LRLB	AUYG30/36/LRLE, AUYG36/45/54/LRLA	ARYG 12/14/18 LSLAP	ARYG 12/14/18 LLTB	ARYG12/14/18/24/30/36/45/54 LHTBP, ARYG30/36 LMLE	ARYG22/24/36/45 LMLA, ARYG30/36 LMLE	ARYG45/54/60LHTA	ARYG72/90 LHTA	ABYG18 LVTB, ABYG22/24/LVTA	ABYG30/36 LRTE, ABYG36/45/54/LRTA	ASYG30/36 LMTA
Energy Saving Function	Save human sensor											●
	Save & Stop human sensor		○									
	Economy mode	●	●	●	●	●	●	●	●	●	●	●
	Room temperature set point limitation	○	●	○	●	○	●	○	○	●	○	○
	Set temperature auto return	○	●	○	●	○	●	○	○	●	○	○
Convenient Function	Server room operation											●
	Powerful mode											●
	10°C HEAT operation	●	○	○	○	○	○	○ (60)	○	●	●	●
	Low noise mode		○ (45/54)				○ (45/54)	○ (45)(36/LMLA)	○		○ (45/54)(36/LRTA)	●
	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	●	○	○	○	○	○	○ (60)	○	●	●	●
	Program timer	●	○	○	○	○	○	○ (60)	○	●	●	●
	Weekly timer		●		●		●		●			●
	Weekly + setback timer	○		●		●	●	●		○	○	○
	Filter sign	●	●	●	●	●	●	●	●	●	●	●
	External error output		○		○		○		○			○
Clean Function	External ON/OFF input	○	●	○	●	○	○	○	●	○	○	○
	Wireless LAN control	○	○	○	○	○	○	○	○	○	○	○
	Ion deodorization filter											●
	Apple-catechin filter											●
Clean Function	Washable panel											●
	Long life filter						○	○ (60)	○			
	Automatic airflow adjustment					●			●			
Installation	Drain pump as standard	●	●	●	●	●	○				○	
	Blue fin		○ (30/36/45/54)	○ (45/54)			○ (30/36/45/54)		●	●		○ (45)

○ Optional function

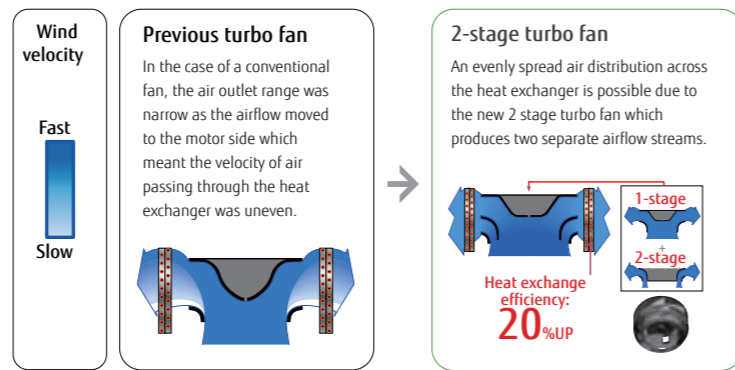
Compact Cassette 4-way Flow Compact & Comfort



Features

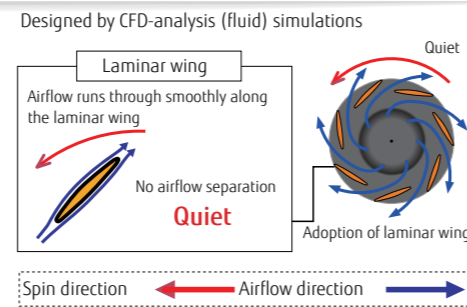
2-stage turbo fan

High efficiency design by 2 stage structure



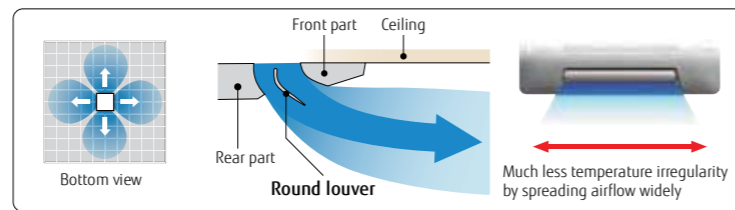
Quiet quality

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

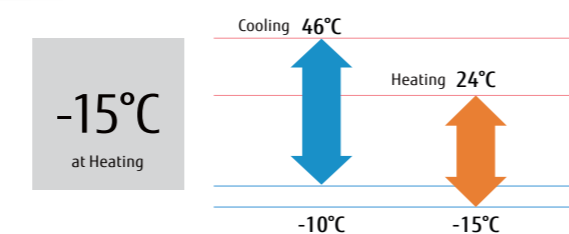


Improvement of the airflow distribution

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



Low ambient operation



Model : AUYG12LVLB / AUYG14LVLB / AUYG18LVLB / AUYG24LVLA



Specifications

Model No.	Indoor unit		AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLA
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LALL	AOYG24LALA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
EER	Cooling	W/W	3.33	3.21	3.21	3.08
COP	Heating	W/W	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)	W/W	4.10	4.40	4.20	3.90
Energy Efficiency Class	Cooling		A++	A++	A++	A+
	Heating (Average)		A+	A+	A+	A
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	9.0/12.5	12.0/13.5
Annual Energy Consumption	Cooling	kWh/a	198	235	293	425
	Heating	kWh/a	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	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
	Indoor (Heating)	H/M/L/Q	37/34/31/29	43/38/34/30	43/38/34/30	49/45/40/33
	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50	52/53
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	67/70
Airflow Rate	Indoor / Outdoor	High	600/1780	680/1910	680/2000	930/2470
Net Dimensions H x W x D	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570
		kg (lbs)	15 (33)	15 (33)	15 (33)	16 (35)
Weight	Outdoor	mm	578×790×300	578×790×300	578×790×300	578×790×315
		kg (lbs)	40 (88)	40 (88)	40 (88)	44 (97)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)	30 (15)
Max Height Difference			15	15	15	20
Operation Range	Cooling	*CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	*CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.25 (2.6)	1.70 (3.5)
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 (lbs)	2.6 (6)	2.6 (6)	2.6 (6)	2.6 (6)

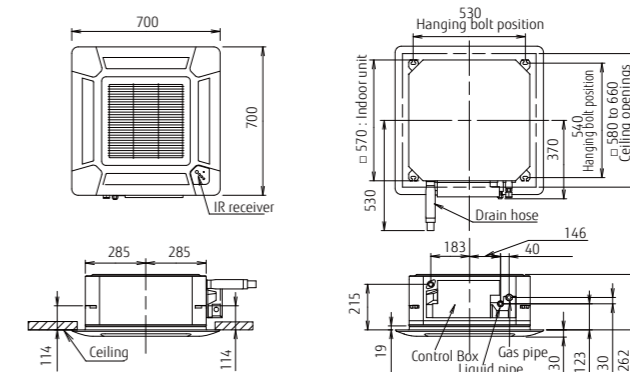
Optional parts

- Air Outlet Shutter Plate: UTR-YDZB
- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Insulation Kit For High Humidity: UTZ-KXGC
- Fresh Air Intake Kit: UTZ-VXAA



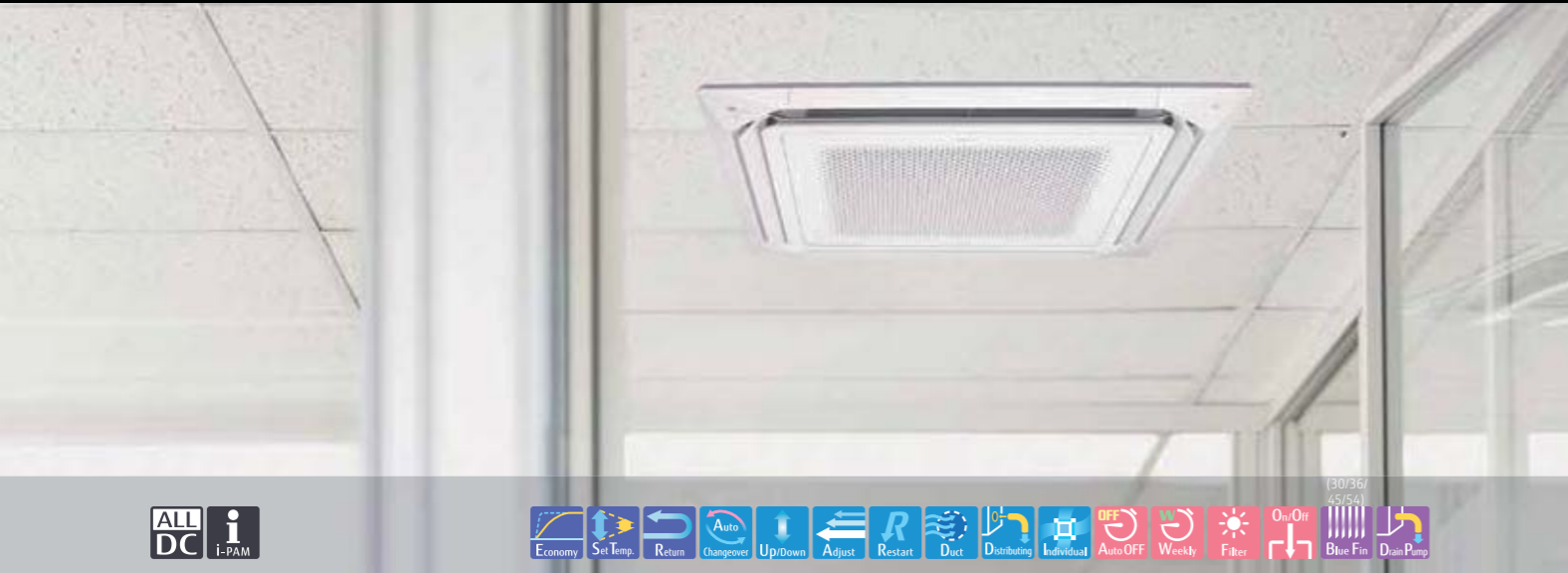
Dimensions

(Unit : mm)



Cassette

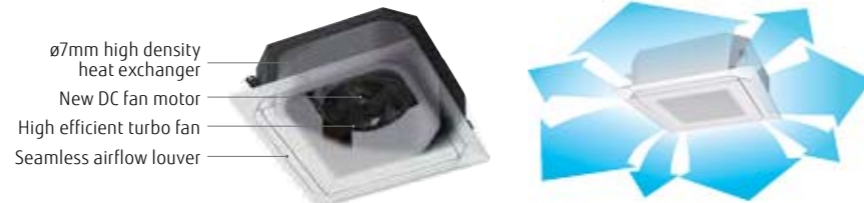
Circular Flow Comfort for large room



Features

Unique Circular Flow design

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



Individual louver control

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

*Touch Panel Wired RC (UTY-RNRY22) 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.

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-RNRY22) only

Human sensor (Option)

Various Cassette Grille

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



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



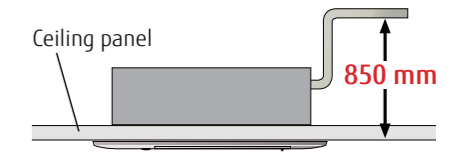
Specifications

Model No.	Indoor unit		AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB	
	Outdoor unit		AOYG18LBCA	AOYG24LBCA	AOYG30LBTB	AOYG36LBTB	AOYG45LBTB	AOYG54LBTB	
Power Source			Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	
	Heating	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)	
Input Power	Cooling/Heating	kW	1.42/1.50	2.16/2.18	2.56/2.77	2.96/2.91	3.85/3.73	4.38/4.58	
	Cooling		3.66	3.15	3.32	3.21	3.25	3.04	
COP	Cooling	W/W	4.00	3.58	3.61	3.71	3.75	3.45	
	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	-	-	
	Cooling		7.05	6.60	6.70	6.40	-	-	
SEER	Cooling		4.40	4.20	4.30	4.30	-	-	
	Heating (Average)	W/W	4.40	4.20	4.30	4.30	-	-	
Energy Efficiency Class	Cooling		A++	A++	A++	A++	-	-	
	Heating (Average)		A+	A+	A+	A+	-	-	
Max. Operating Current	Cooling/Heating	A	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	20.5/20.5	21.5/21.5	
	Cooling	kWh/a	258	361	444	519	-	-	
Annual Energy Consumption	Cooling		1367	1999	2604	2833	-	-	
	Heating		-	-	-	-	-	-	
Moisture Removal		l/h	2.2	2.7	2.5	3.3	4.5	5.0	
	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	
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	
	Outdoor (Cooling/Heating)	High	51/50	55/56	53/55	54/55	55/55	55/57	
Sound Power Level	Indoor (Cooling/Heating)	High	47/47	49/49	54/54	58/58	60/60	61/61	
	Outdoor (Cooling/Heating)	High	64/62	68/68	67/69	68/70	68/68	69/71	
Airflow Rate	Indoor / Outdoor	High	m³/h	1050/1900	1150/2460	1600/3600	1900/3800	2000/6750	2100/6750
	Indoor	mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840	
Net Dimensions H x W x D	Indoor	kg (lbs)	24 (53)	24 (53)	26 (57)	26 (57)	29 (64)	29 (64)	
	Outdoor	mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330	
Weight	Outdoor	kg (lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)	
	Connection Pipe Diameter (Liquid / Gas)	mm	6.35/12.7	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)	mm	25/32	25/32	25/32	25/32	25/32	25/32		
Max Pipe Length (Pre-Charge)	m	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)		
Max Height Difference			20	20	30	30	30		
Operation Range	Cooling	*CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	1.80 (3.8)	1.80 (3.8)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.35 (7.0)	
Cassette Grille	Variation		UTG-UKYA-W: White Color with touch panel wired remote controller UTG-UKYC-W: White Color / UTG-UKYA-B*: Black Color						
	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 (lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)		

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

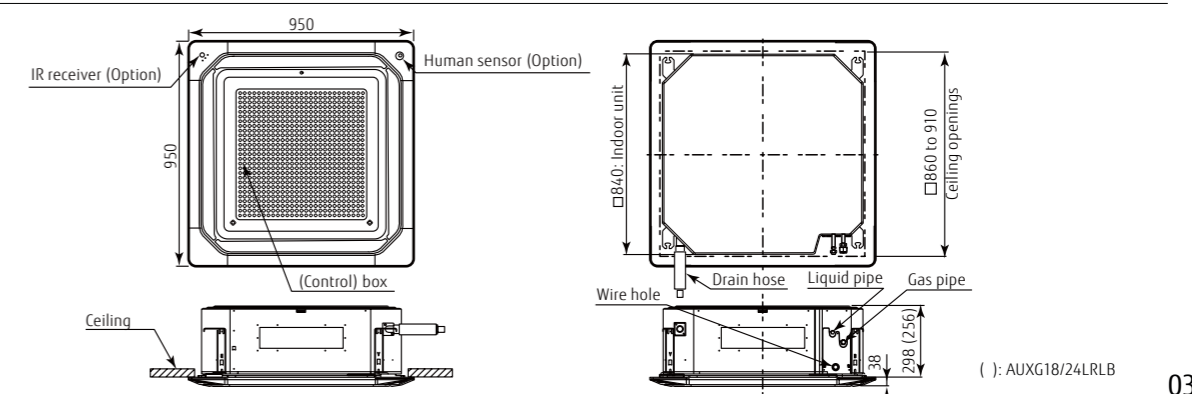
Optional parts

- Wired Remote Controller: UTY-RNRY22, UTY-RVNYM, UTY-RLRY, UTY-RNRYM
- Simple Remote Controller: UTY-RSNYM, UTY-RSRY
- IR Receiver Kit: UTY-LBTYC
- Human Sensor Kit: UTY-SHZXC
- Wide Panel: UTG-AKXA-W
- Panel Spacer: UTG-BKXA-W
- Air Outlet Shutter Plate: UTR-YDZK
- Insulation Kit For High Humidity: UTZ-KXRA
- Flesh Air Intake Kit: UTZ-VXRA
- External input and output PCB (with box): UTY-XCSX + UTZ-GXRA
- External connect kit: UTY-XWZXZG, UTY-XWZXZ3
- Cassette Grille: UTG-UKYA-W, UTG-UKYA-B, UTG-UKYC-W



Dimensions

(Unit : mm)



Cassette 4-way Flow Comfort for large room



Single phase

ALL DC i-PAM

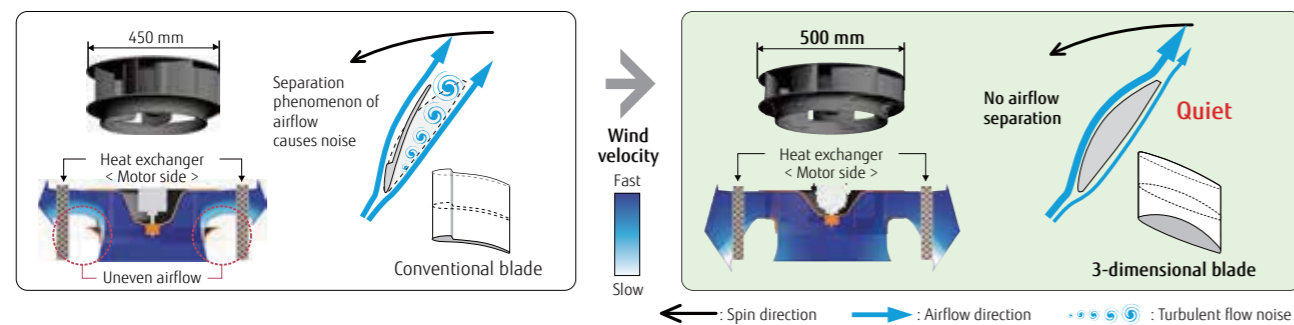
Economy Auto Up/Down Adjust Restart Duct Distributing +Silback Filter Blue Fin Drain Pump (45/54)

Features

High efficiency turbo fan with 3-dimensional blade

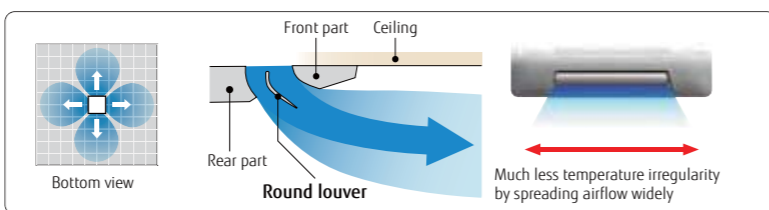
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

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



Improvement of the airflow distribution

New louver: The louver design distributes air leaving a space between the chassis and the ceiling allowing for wide and uniform airflow distribution.

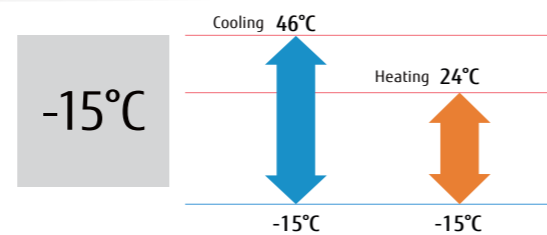


Adjustment of hanger position is possible after installation

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



Low ambient operation



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

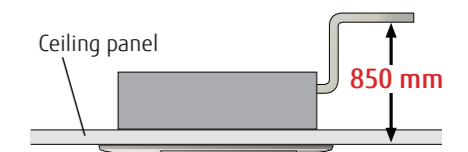


Specifications

Model No.	Indoor unit				Outdoor unit			
	AUYG30LRLE	AUYG36LRLE	AUYG45LRLA	AUYG54LRLA	AUYG36LRLA	AUYG45LRLA	AUYG54LRLA	
Power Source	Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz			
Capacity	Cooling kW	8.5 (2.8-10.0)	10.0 (2.8-11.2)	12.5 (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)
Input Power	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)
EER	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
COP	Heating W/W	3.21	3.21	3.22	3.01	4.10	3.53	3.21
Pdesign	Cooling	3.61	3.71	3.71	3.41	4.38	3.91	3.61
SEER	Heating (Average) kW	8.5/8.0	10.0/8.7	-	-	10.0/10.0	-	-
SCOP	Cooling W/W	6.50	6.30	-	-	6.50	-	-
Energy Efficiency Class	Heating (Average) W/W	4.30	4.20	-	-	4.30	-	-
Max. Operating Current	Cooling	A++	A++	-	-	A++	-	-
Annual Energy Consumption	Heating (Average) A	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
Moisture Removal	Cooling/Heating kWh/a	458	555	-	-	538	-	-
Sound Pressure Level	Heating l/h	2.5	3.5	4.5	5.0	3.0	4.5	5.0
Sound Power 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
Airflow Rate	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
Net Dimensions	Outdoor (Cooling/Heating) High dB(A)	53/55	54/55	55/55	55/57	51/53	54/54	55/56
Weight	Indoor (Cooling/Heating) High	54/54	57/57	-	-	58/58	-	-
Connection Pipe Diameter (Liquid / Gas)	Indoor / Outdoor High m³/h	1600/3600	1800/3800	1900/6750	2000/6750	1800/6200	1900/6750	2000/6900
Drain hose Diameter (I.D./O.D.)	Indoor mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
Max Pipe Length (Pre-Charge)	Outdoor kg (lbs)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)
Max Height Difference	Outdoor mm	830-900x330	830-900x330	1290-900x330	1290-900x330	1290-900x330	1290-900x330	1290-900x330
Operation Range	Outdoor kg (lbs)	61 (135)	61 (135)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)
Refrigerant	kg (lbs)	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Cassette Grille	mm	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Model name	m	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Dimensions (H x W x D)	mm	30	30	30	30	30	30	30
Weight	kg (lbs)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)

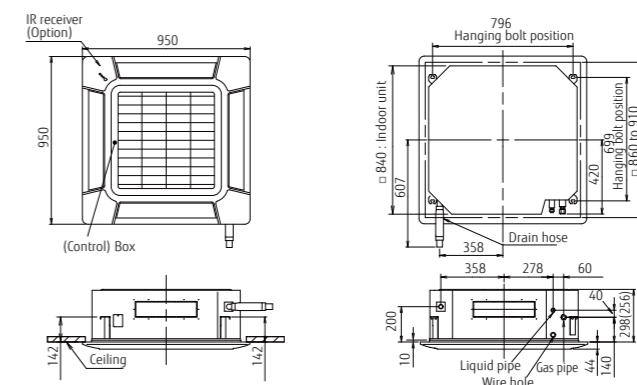
Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM	Panel Spacer:	UTG-BKXA-W
Simple Remote Controller:	UTY-RSNYM	Air Outlet Shutter Plate:	UTR-YDZK
IR Receiver Kit:	UTY-LRHYA2	Insulation Kit For High Humidity:	UTZ-KXRA
Wide Panel:	UTG-AKXA-W	Fresh Air Intake Kit:	UTZ-VXRA



Dimensions

(Unit : mm)

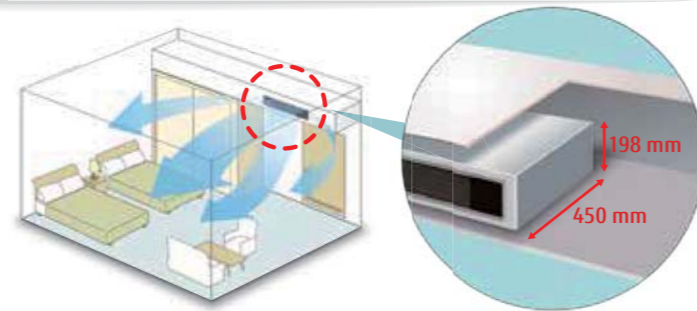




Features

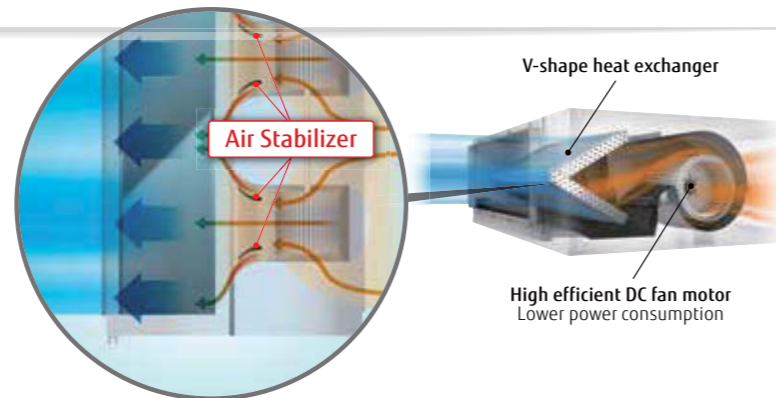
Large living space available

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



Optimum airflow path and low noise operation

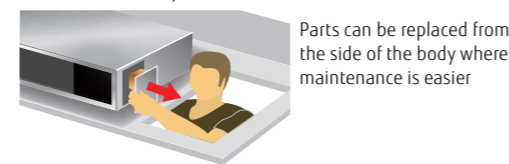
Low noise is realized drastically by stabilized airflow design



Easy design and maintenance for drain

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

Built-in drain pump as standard: Maintenance is easy

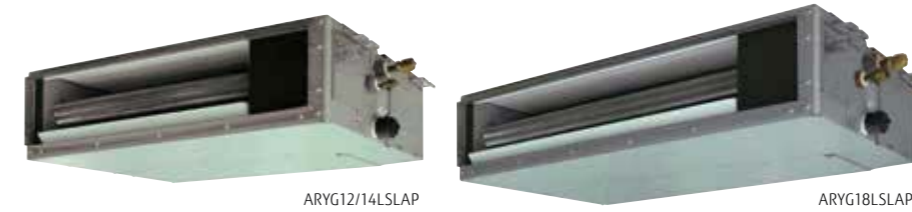


Auto Louver Grille Kit (Option)

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



Model : ARYG12LSLAP / ARYG14LSLAP / ARYG18LSLAP

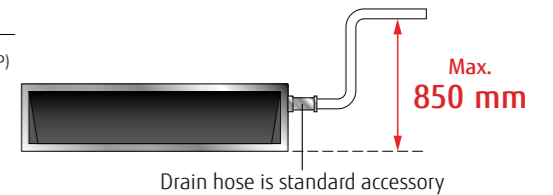


Specifications

Model No.	Indoor unit		ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LALL
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating		1.03/1.15	1.34/1.49	1.62/1.77
	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
SEER		Cooling		5.70	5.60
	SCOP	Heating		3.90	3.80
Energy Efficiency Class		Cooling		A+	A+
	Heating		A	A	A
Max. Operating Current	Cooling/Heating		7.5/10.0	9.0/12.5	9.0/12.5
	Cooling	kWh/a	215	269	314
Annual Energy Consumption	Heating		1505	1656	1914
	Moisture Removal			1.2	1.4
Sound Pressure Level		Indoor (Cooling)	H/M/L/Q	31/27/25/23	35/30/27/23
	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
	Indoor / Outdoor	High	650/1780	800/1910	940/2000
Static pressure range (Standard)			0 - 30 (10)	0 - 50 (15)	0 - 50 (15)
			198×700×450	198×700×450	198×900×450
Net Dimensions H x W x D	Indoor	mm	15.5 (34)	15.5 (34)	18.5 (41)
		kg(lbs)	578×790×300	578×790×300	578×790×300
		mm	40 (88)	40 (88)	40 (88)
Weight	Outdoor	mm	6.35/9.52	6.35/12.70	6.35/12.70
		kg(lbs)	25/32	25/32	25/32
		m	25 (15)	25 (15)	25 (15)
Connection Pipe Diameter (Liquid / Gas)			15	15	15
	Drain hose Diameter (I.D./O.D.)		-10 to 46	-10 to 46	-10 to 46
Max Pipe Length (Pre-Charge)			-15 to 24	-15 to 24	-15 to 24
			15	15	15
Max Height Difference	Cooling		-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		1.15 (2.4)	1.25 (2.6)	1.25 (2.6)

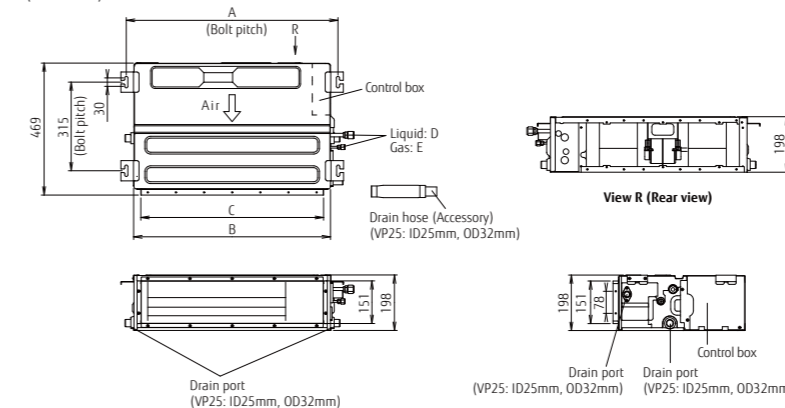
Optional parts

- Wired Remote Controller: UTY-RLRY, UTY-RNRY22, UTY-RVNYM Auto Louver Grille Kit: UTD-GXTA-W (ARYG12/14LSLAP)
 Simple Remote Controller: UTY-RSNYM, UTY-RSRY UTD-GXTB-W (ARYG18LSLAP)
 IR Receiver Kit: UTY-LBTYM External connect kit: UTY-XWZXZG
 Remote Sensor Unit: UTY-XSZX



Dimensions

(Unit : mm)



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

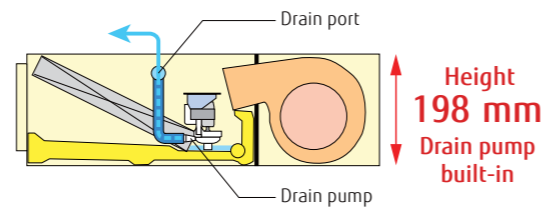
Slim Duct Slim & Comfort



Features

Slim design

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



Flexible installation

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



Selectable with a wide range of static pressure

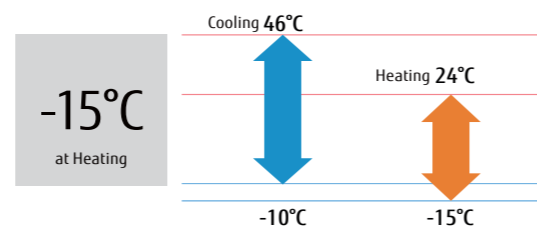
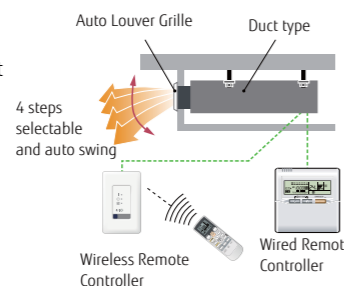
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa. The change of static pressure range is possible by remote controller.



Static pressure range
0 to 90 Pa

Auto Louver Grille Kit (Option)

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



Model : ARYG12LLTB / ARYG14LLTB / ARYG18LLTB

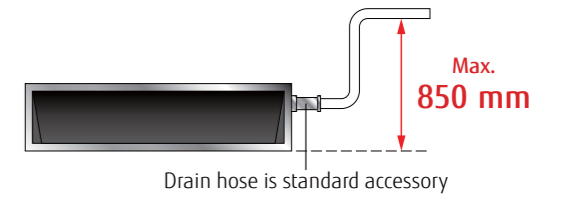


Specifications

Model No.	Indoor unit		ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LALL
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	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66
EER	Cooling	W/W	3.33	3.21	3.21
	Heating	W/W	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
	Heating	W/W	4.00	3.90	4.10
SCOP	Heating	W/W	4.00	3.90	4.10
Energy Efficiency Class	Cooling		A+	A+	A++
	Heating		A+	A	A+
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	9.0/12.5
Annual Energy Consumption	Cooling	kWh/a	207	259	293
	Heating	kWh/a	1467	1614	1774
Moisture Removal		l/h	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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
	Indoor / Outdoor	High	650/1780	800/1910	940/2000
Static pressure range (Standard)		Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
		mm	198×700×620	198×700×620	198×900×620
		kg(lbs)	19 (42)	19 (42)	23 (51)
Net Dimensions H x W x D Weight	Indoor	mm	578×790×300	578×790×300	578×790×300
		kg(lbs)	40 (88)	40 (88)	40 (88)
	Outdoor	mm	6.35/9.52	6.35/12.70	6.35/12.70
Connection Pipe Diameter (Liquid / Gas)		mm	25/32	25/32	25/32
Drain hose Diameter (I.D./O.D.)		m	25 (15)	25 (15)	25 (15)
Max Pipe Length (Pre-Charge)			15	15	15
Max Height Difference		°CDB	-10 to 46	-10 to 46	-10 to 46
Operation Range	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.25 (2.6)

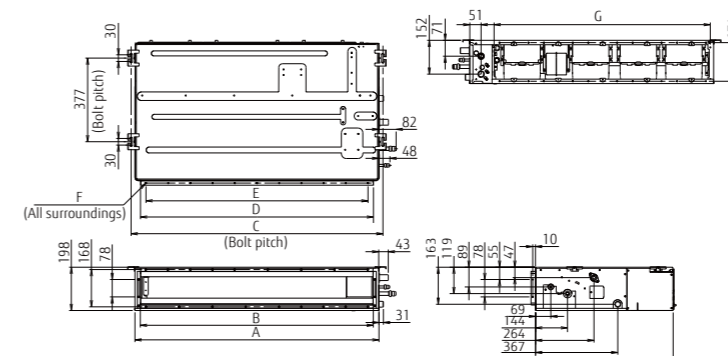
Optional parts

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



Dimensions

(Unit : mm)



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

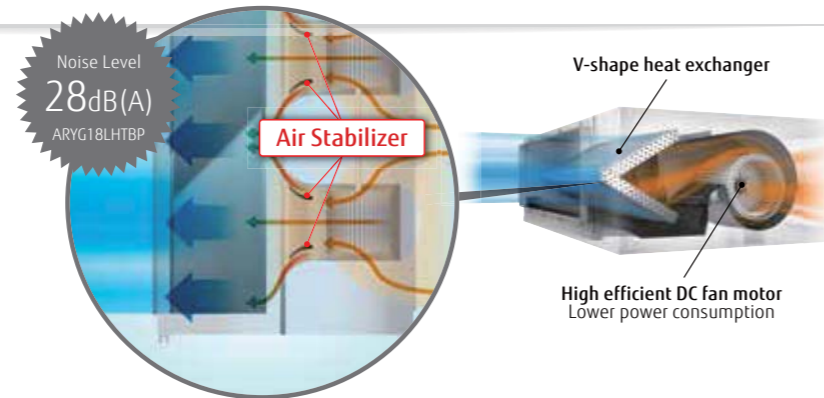
Medium Static Pressure Duct Compact & Comfort



Features

High Efficiency & Quiet operation

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



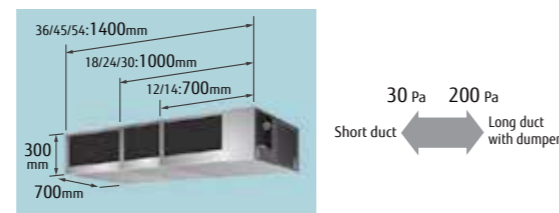
Automatic Airflow adjustment function

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



Improved installation flexibility

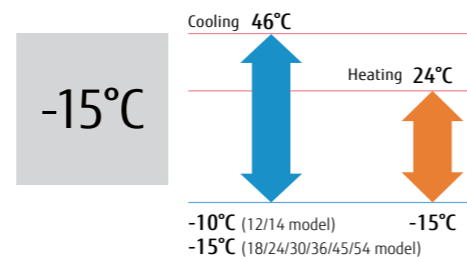
- Capable to be installed in various applications that requires static pressure of 30 Pa to 200 Pa
- Built-in drain pump, rises drain up to 850 mm
- Unified depth throughout the range enables the selection of the capacity regardless of the additional space.



Improved service and maintenance

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

Low ambient operation



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

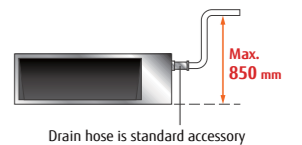


Specifications

Model No.	Indoor unit		ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP
	Outdoor unit		AOYG12LBLA	AOYG14LBLA	AOYG18LBCA	AOYG24LBCA	AOYG30LBTA	AOYG36LBTA	AOYG45LBTA	AOYG54LBTA
Power Source	Single-phase, ~230V, 50Hz									
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating	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 (2.7-11.2)	13.3 (4.2-16.2)	16.0 (4.7-16.5)
Input Power	Cooling/Heating	kW	0.90/1.00	1.18/1.25	1.37/1.48	1.95/2.21	2.65/2.70	2.83/3.07	3.59/3.44	4.42/4.62
EER	Cooling	W/W	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03
COP	Heating	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	-	-
SEER	Cooling	W/W	6.20	6.10	7.15	6.50	5.95	5.81	-	-
SCOP	Heating (Average)	W/W	4.10	4.00	4.11	4.01	3.95	3.81	-	-
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A+	A+	-	-
	Heating (Average)		A+	A+	A+	A+	A	A	-	-
Max. Operating Current	Cooling/Heating	A	8.0/10.5	9.5/13.0	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	22.5/22.5	23.5/23.5
	Cooling	kWh/a	198	247	255	366	500	566	-	-
Annual Energy Consumption	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	2.6
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor (Cooling/Heating)	High	47/48	49/49	50/51	55/56	53/55	54/55	55/55	55/57
Sound Power Level	Indoor (Cooling/Heating)	High	57/58	59/60	54/54	57/57	63/65	64/63	67/69	67/69
	Outdoor (Cooling/Heating)	High	60/61	64/63	63/62	68/68	68/69	69/70	68/68	69/71
Airflow Rate (High)	Indoor / Outdoor	High	m³/h	850/1780	950/1910	1050/1900	1360/2460	1700/3600	2050/3800	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)
		mm	300×700×700	300×700×700	300×1000×700	300×1000×700	300×1000×700	300×1400×700	300×1400×700	300×1400×700
Net Dimensions	Indoor	H x W x D	mm	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)
	Outdoor	H x W x D	mm	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330
Weight	Indoor	kg (lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
	Outdoor	kg (lbs)	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Connection Pipe Diameter (Liquid / Gas)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	
Drain hose Diameter (I.D./O.D.)		mm	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	
Max Pipe Length (Pre-Charge)		m	15	15	20	20	20	20	20	
Max Height Difference	Cooling	°CDB	-10 to 46	-10 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	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-1)	1.15 (2.4)	1.25 (2.6)	1.80 (3.8)	1.80 (3.8)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	

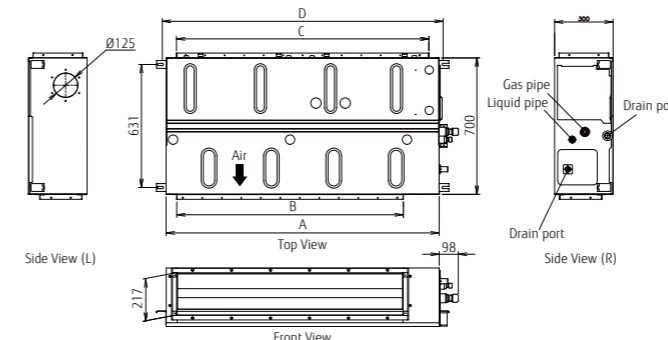
Optional parts

- Wired Remote Controller: UTY-RNRYZ2, UTY-RVNYM, UTY-RNNYM, UTY-RLRY Long life filter: UTD-LFNA (for ARYG36/45/54LHTBP)
- Simple Remote Controller: UTY-RSNYM, UTY-RSRY UTD-LFNB (for ARYG24/30LHTBP)
- IR Receiver Unit: UTY-LBTYM UTD-LFNC (for ARYG12/14LHTBP)
- External input and output PCB (with bracket): UTY-XCSX + UTZ-GXNA Remote Sensor Unit: UTY-XSZX
- External connect kit: UTY-XWZXZG, UTY-XWZXZ3



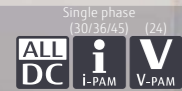
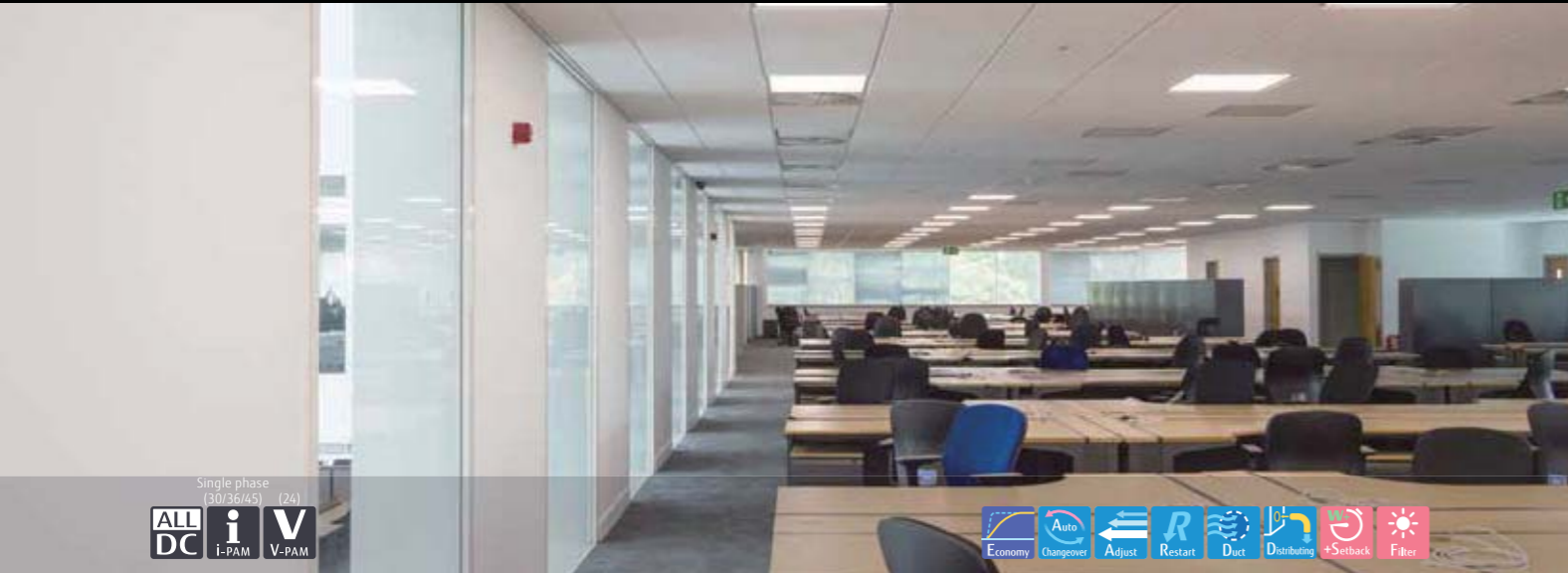
Dimensions

(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

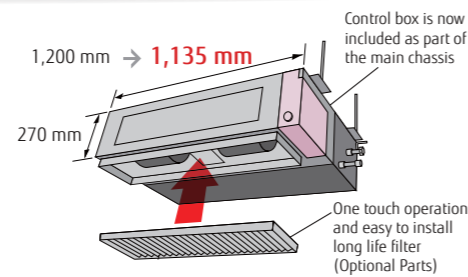
Medium Static Pressure Duct Standard



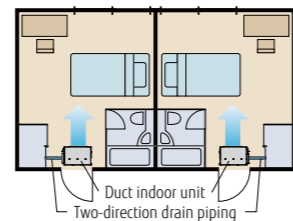
Features

Slim & Compact design

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



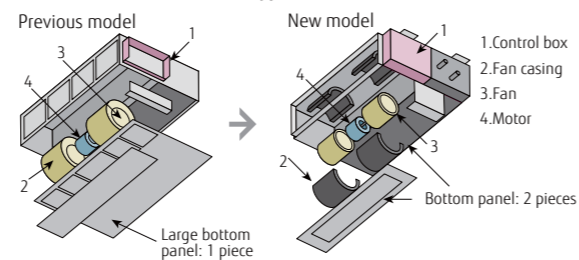
Two-direction drain piping



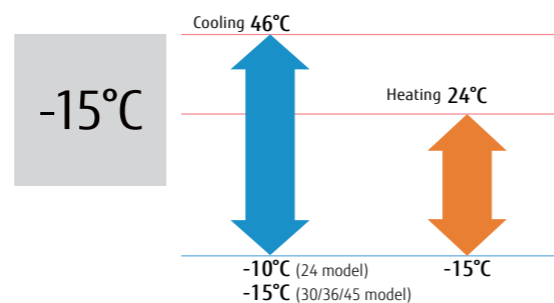
Easy maintenance

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

See below for the case of rear suction type



Low ambient operation



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

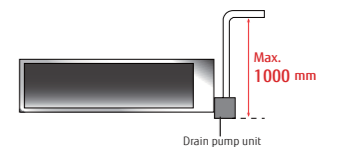


Specifications

Model No.	Indoor unit		ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA	ARYG36LMLA	ARYG45LMLA	
	Outdoor unit		AOYG24LALA	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)	13.1 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	
Input Power	Cooling/Heating	kW	2.21/2.26	2.65/2.68	2.96/3.10	3.77/3.68	2.84/2.87	3.89/3.88	
EER	Cooling	W/W	3.08	3.21	3.18	3.21	3.52	3.21	
COP	Heating		3.54	3.73	3.61	3.61	3.90	3.61	
Pdesign	Cooling/Heating (-10°C)	kW	6.8/6.0	8.5/8.0	9.4/8.7	-	10.0/10.0	-	
SEER	Cooling	W/W	6.20	5.90	5.70	-	5.80	-	
SCOP	Heating		4.00	3.90	3.80	-	4.00	-	
Energy Efficiency Class	Cooling	A++	A+	A+	-	A+	-		
	Heating	A+	A	A	-	A+	-		
Max. Operating Current	Cooling/Heating	A	12.0/13.5	17.0/17.0	18.5/20.0	21.0/21.0	8.5/8.5	9.5/9.5	
Annual Energy Consumption	Cooling	kWh/a	384	504	576	-	603	-	
	Heating		2098	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	
	Outdoor (Cooling/Heating)	High	52/53	53/55	54/55	55/55	51/53	54/54	
Sound Power Level	Indoor (Cooling/Heating)	High	60/62	65/69	65/70	-	65/67	-	
	Outdoor (Cooling/Heating)	High	67/70	68/69	69/70	-	67/69	-	
Airflow Rate	Indoor / Outdoor	High	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)	30 to 150 (60)	30 to 150 (47)	30 to 150 (60)	
		mm	270×1135×700	270×1135×700	270×1135×700	270×1135×700	270×1135×700	270×1135×700	
Net Dimensions H x W x D	Indoor	kg(lbs)	38 (84)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)	
	Outdoor	mm	578×790×315	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	
Weight		kg(lbs)	44 (97)	61 (134)	61 (134)	86 (190)	104 (229)	104 (229)	
		mm	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Connection Pipe Diameter (Liquid / Gas)		mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	
Drain hose Diameter (I.D./O.D.)		m	30 (15)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	
Max Pipe Length (Pre-Charge)		°CDB	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
Max Height Difference	Cooling		20	30	30	30	30	30	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Operation Range		kg(CO2eq-T)	1.70 (3.5)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	
	Refrigerant	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge		1.70 (3.5)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	

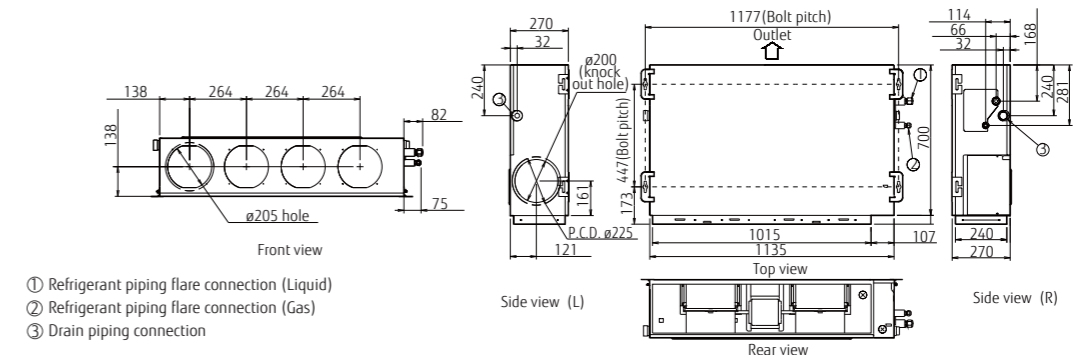
Optional parts

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



Dimensions

(Unit : mm)



High Static Pressure Duct

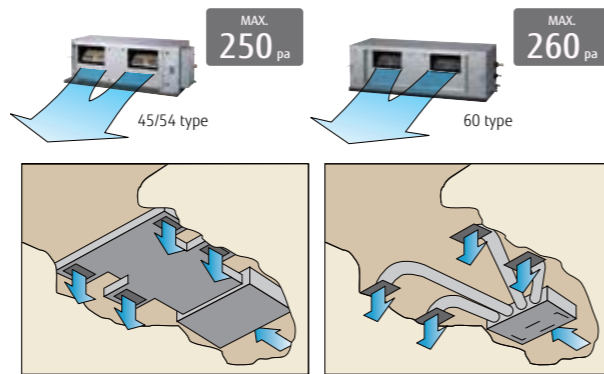


Features

High energy efficiency

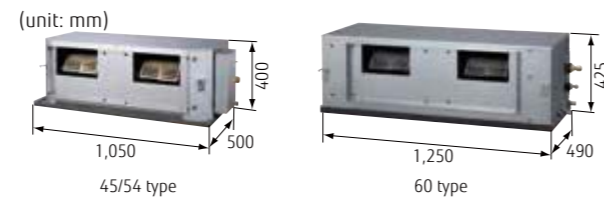
Significantly greater efficiency is realized by using all DC inverter technology. (60 type)

Design also corresponding to high static pressure



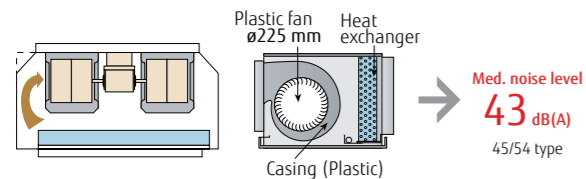
Easy installation (Compact size & Lightweight)

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

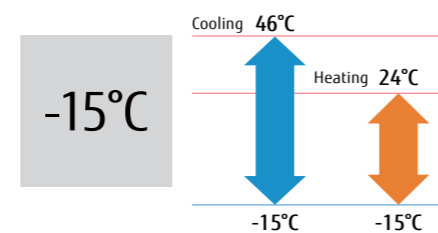


Low noise

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



Low ambient operation



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



Specifications

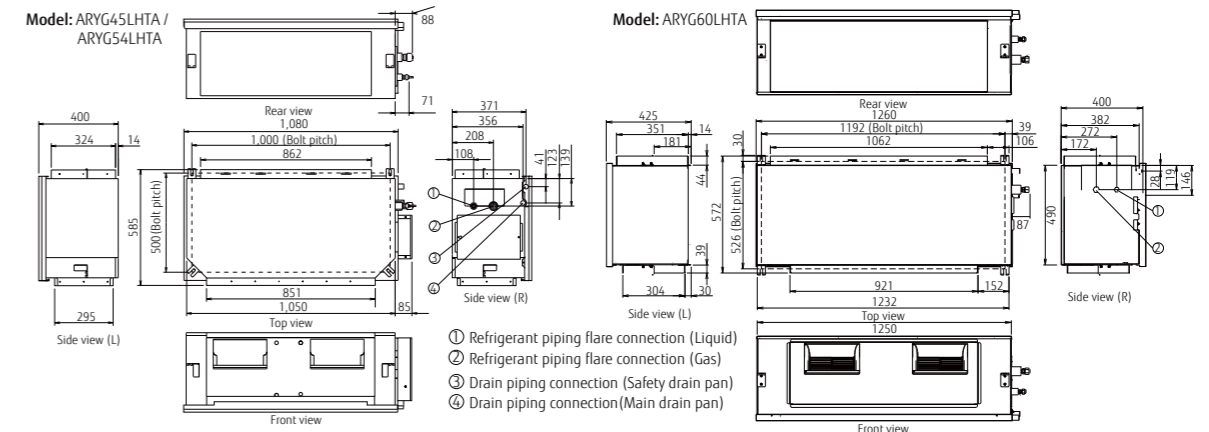
Model No.	Indoor unit		ARYG45LHTA	ARYG54LHTA	ARYG45LHTA	ARYG54LHTA	ARYG60LHTA
	Outdoor unit		AOYG45LETL	AOYG54LETL	AOYG45LATT	AOYG54LATT	AOYG60LATT
Power Source	Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	15.0 (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)
Input Power	Cooling/Heating	kW	4.30/3.80	4.77/4.69	4.06/3.67	4.65/4.37	4.70/5.15
EER	Cooling	W/W	2.91	2.81	3.08	3.01	3.19
COP	Heating		3.68	3.41	3.81	3.66	3.50
Max. Operating Current	Cooling/Heating	A	22.5/22.5	23.5/23.5	11.0/11.0	12.0/12.0	12.5/12.5
Moisture Removal		l/h	1.5	2.0	1.5	2.5	2.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-
	Indoor (Heating)	H/M/L/Q	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-
	Outdoor (Cooling/Heating)	High	55/55	55/57	54/54	55/56	56/58
Airflow Rate	Indoor / Outdoor	High	m³/h	3350/6750	3350/6750	3350/6750	3350/6900
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)
		mm	400×1050×500	400×1050×500	400×1050×500	400×1050×500	425×1250×490
Net Dimensions	Indoor		kg(lbs)	46 (101)	46 (101)	46 (101)	54 (119)
		H x W x D	mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330
Weight	Outdoor		kg(lbs)	86 (189)	86 (189)	104 (229)	104 (229)
		H x W x D	mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)		mm	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max Pipe Length (Pre-Charge)		m	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference			30	30	30	30	30
Operation Range	Cooling	*CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	3.35 (7.0)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)

Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Long-Life Filter: UTD-LF60KA (For ARYG45/54LHTA only)
- Remote Sensor Unit: UTY-XSZX
- IR Receiver Kit: UTY-LRHYM (For ARYG60LHTA only)
- External connect kit: UTD-ECSSA, UTY-XWZXZ3

Dimensions

(Unit : mm)



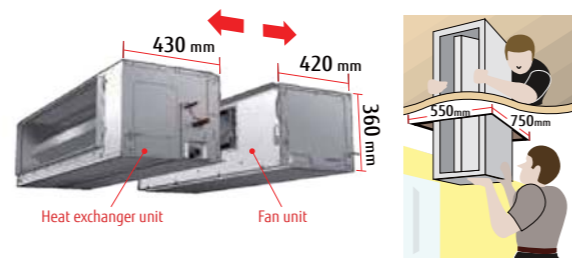
NEW Big Duct



Features

Separation is possible by lightweight compact design

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



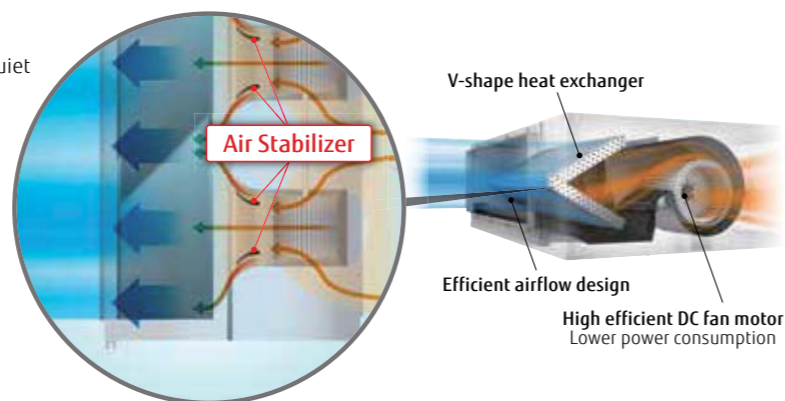
Automatic Airflow adjustment function

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



Quiet operation

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



Model : ARYG72LHTA / ARYG90LHTA



Specifications

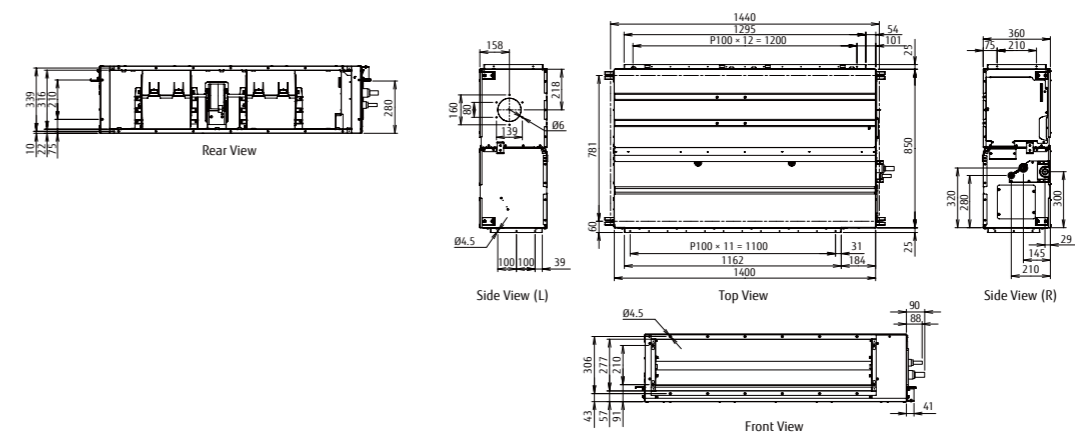
Model No.	Indoor unit		ARYG72LHTA		ARYG90LHTA	
	Outdoor unit		AOYG72LRLA		AOYG90LRLA	
Power Source	Indoor		Single-phase, ~230V, 50Hz			
	Outdoor		3-phase, ~400V, 50Hz			
Capacity	Cooling	kW	19.0 (8.4-20.9)		22.0 (10.3-24.2)	
	Heating		22.4 (7.2-24.6)		27.0 (8.5-29.7)	
Input Power	Cooling/Heating		6.46 / 6.59		7.77 / 8.18	
	Cooling	W/W	2.94		2.83	
COP	Heating		3.4		3.3	
Max. Operating Current	Indoor(Cooling/Heating)		3.2/3.2		3.5/3.5	
	Outdoor(Cooling/Heating)		11.2/11.5		13.5/14.1	
Moisture Removal			I/h		6.0	
	Indoor (Cooling)		H/M/L/Q		46/43/41/39	
Sound Pressure	Indoor (Heating)		H/M/L/Q		46/43/41/39	
	Outdoor(Cooling/Heating)		High		55/55	
Airflow Rate	Indoor / Outdoor		High		m³/h	
					4300/8400	
Static pressure range (Standard)			Pa		50 to 150 (72)	
					360×1400×850	
Net Dimensions H x W x D	Indoor		kg (lbs)		69 (152)	
					80 (176)	
Weight	Outdoor		mm		1428×1080×480	
			kg (lbs)		165 (363)	
Connection Pipe Diameter (Liquid / Gas)			mm		12.7/25.4	
					12.7/25.4	
Drain Hose Diameter (I.D./O.D.)			mm		23.4/25.4	
					23.4/25.4	
Max Pipe Length (Pre-Charge)			m		100 (30)	
					100 (30)	
Height Difference					30	
					30	
Operation Range	Cooling		°CDB		-15 to 46	
	Heating				-20 to 24	
Refrigerant	Type (Global Warming Potential)				R410A (2,088)	
	Charge		kg(CO2eq-T)		5.6 (11.7)	
				7.1 (14.8)		

Optional parts

- Wired Remote Controller: UTY-RNRY22, UTY-RLRY, UTY-RVNYM, UTY-RNNYM
- Simple Remote Controller: UTY-RSRY, UTY-RHRY, UTY-RSNYN
- IR Receiver Unit: UTY-LBTYM
- Remote Sensor Unit: UTY-XSZX
- External Connect Kit: UTY-XWZXZG
- External Input and Output PCB: UTY-XCSX
- Drain Pump Unit: UTZ-PX1NAB
- Long Life filter: UTD-LFKA

Dimensions

(Unit : mm)



Floor/Ceiling Comfort & Dual Design



Features

Flexible installation

Example for floor installation

Floor console



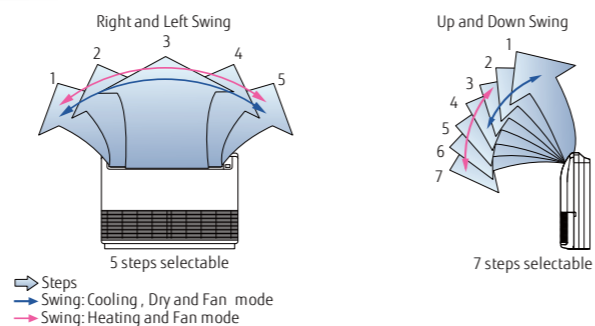
Example for ceiling installation

Under ceiling



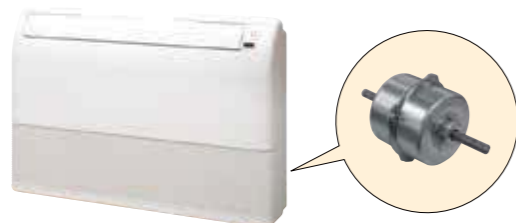
Double auto swing

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

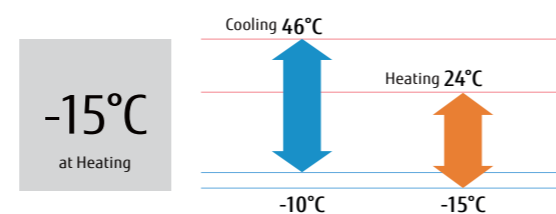


High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation



Model : ABYG18LVTB / ABYG24LVTA



Wireless R.C.



For ABYG18LVTB



For ABYG24LVTA

Specifications

Model No.	Indoor unit		Outdoor unit		ABYG18LVTB	ABYG24LVTA
					AOYG18LALL	AOYG24LALA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating	kW			6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating		kW	1.62/1.66		
	Cooling		W/W	3.21		
COP	Heating		W/W	3.61		
	Cooling/Heating(-10°C)		kW	5.2/5.2		
SEER	Cooling		W/W	6.10		
SCOP	Heating (Average)		W/W	4.00		
	Cooling			A++		
Energy Efficiency Class	Heating (Average)			A+		
	Cooling/Heating		A	9.0/12.5		
Max. Operating Current	Cooling		kWh/a	298		
	Heating		kWh/a	1819		
Annual Energy Consumption	Cooling		l/h	2.0		
	Heating		l/h	2.7		
Moisture Removal	Indoor (Cooling)	H/M/L/Q			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	dB(A)	50/50		
Sound Power Level	Indoor(Cooling/Heating)	High	dB(A)	57/57		
	Outdoor(Cooling/Heating)	High	dB(A)	62/65		
	Outdoor(Cooling/Heating)	High	dB(A)	67/70		
Airflow Rate	Indoor / Outdoor	High	m³/h	780/2000		
	Indoor		mm	199×990×655		
Net Dimensions H x W x D	Indoor		kg(lbs)	27 (59)		
	Outdoor		mm	578×790×315		
Weight	Indoor		kg(lbs)	40 (88)		
	Outdoor		kg(lbs)	44 (97)		
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.70		
Drain hose Diameter (I.D./O.D.)			mm	25/32		
Max Pipe Length (Pre-Charge)			m	25 (15)		
Max Height Difference			m	15		
Operation Range	Cooling		°CDB	-10 to 46		
	Heating		°CDB	-15 to 24		
Refrigerant	Type (Global Warming Potential)			R410A (2,088)		
	Charge		kg(CO2eq-T)	1.25 (2.6)		
				1.70 (3.5)		

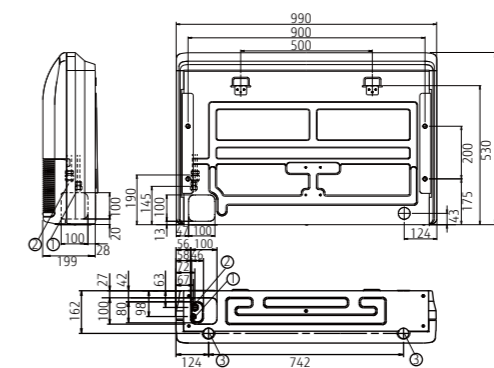
Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

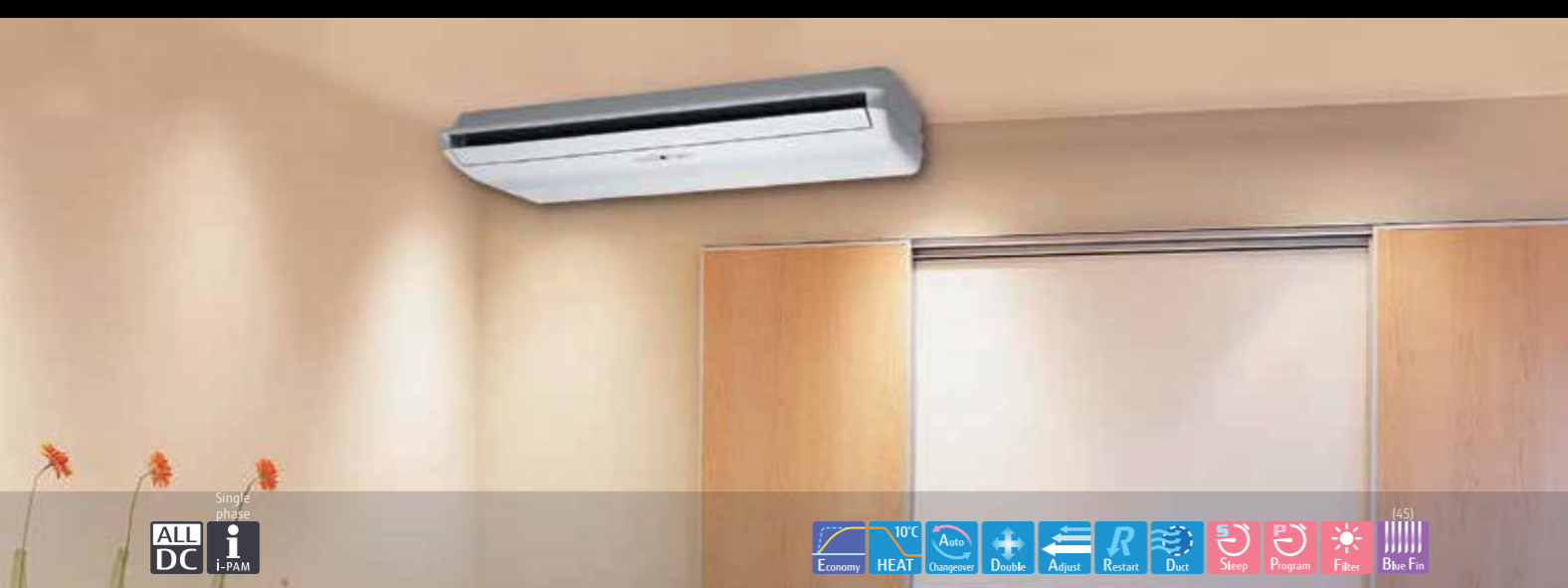
Dimensions

(Unit : mm)



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

Ceiling Comfort for Large Room



Single phase

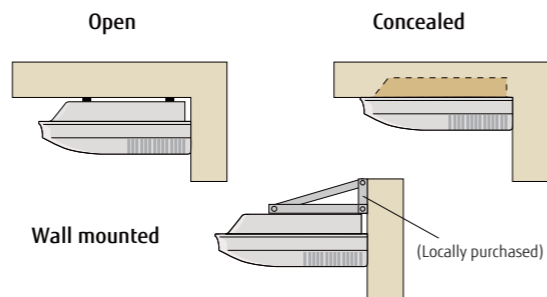
ALL DC i I-PAM

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

Features

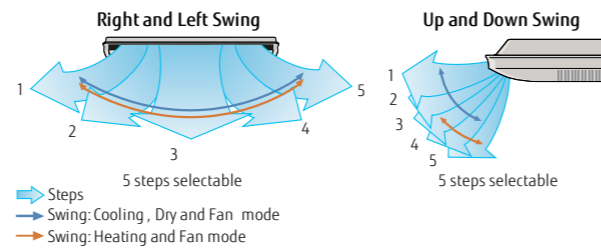
Flexible installation

Various installations are possible to match the room layout.

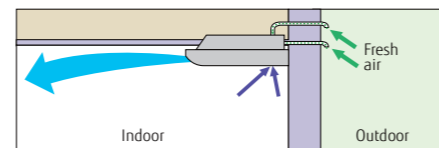


Multi auto swing

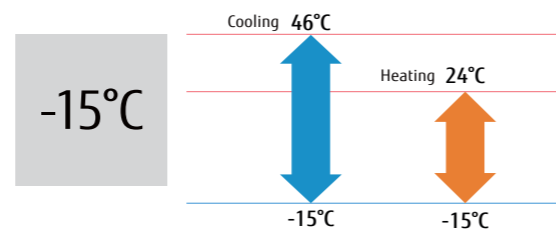
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Low ambient operation



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

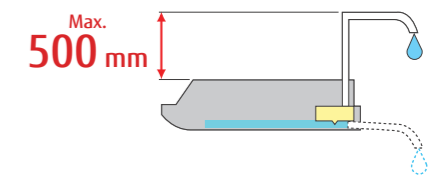


Specifications

Model No.	Indoor unit			Outdoor unit					
	ABYG30LRTE	ABYG36LRTE	ABYG45LRTA	AOYG30LETL	AOYG36LETL	AOYG45LETL			
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	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	-	10.0/10.0	-	-
SEER	Cooling	W/W		6.10	6.00	-	6.10	-	-
SCOP	Heating	W/W		4.20	4.10	-	4.10	-	-
Energy Efficiency Class	Cooling	A		A++	A+	-	A++	-	-
	Heating	A		A+	A+	-	A+	-	-
Max. Operating Current	Cooling/Heating	A		17.0/17.0	18.5/20.0	20.5/20.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling	kWh/a		487	548	-	573	-	-
	Heating	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	dB(A)	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	2300/6900
Net Dimensions H x W x D	Indoor	mm		240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700
		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)
Connection Pipe Diameter (Liquid / Gas)		mm		9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)		mm		22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6
Max Pipe Length (Pre-Charge)		m		50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference		m		30	30	30	30	30	30
Operation Range	Cooling	°CDB		-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)		2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)

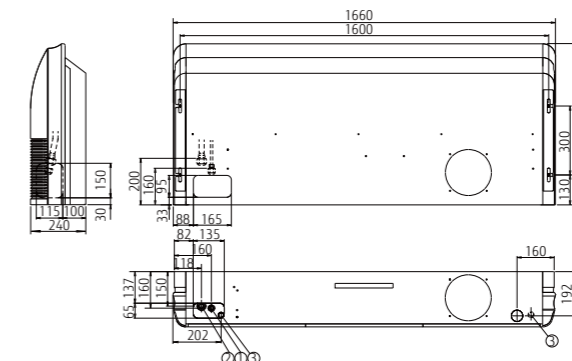
Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Drain Pump Unit: UTR-DPB24T
- Flange: UTD-RF204



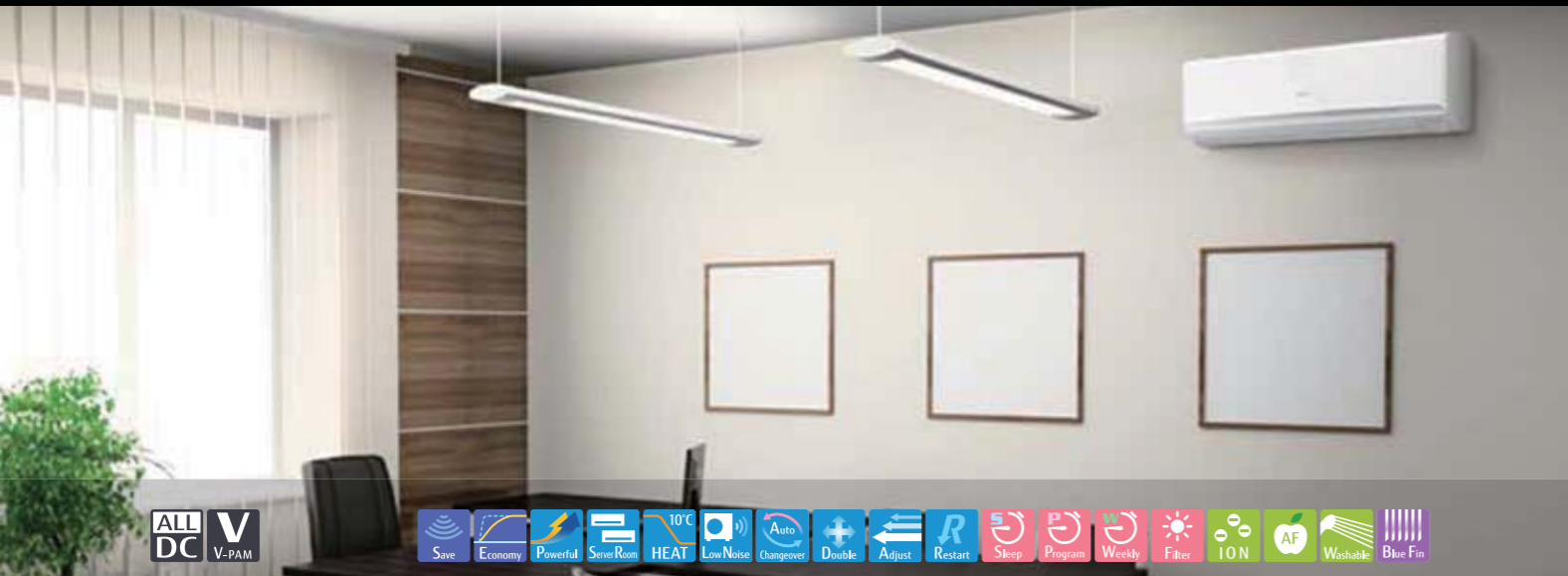
Dimensions

(Unit : mm)



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

Wall Mounted Standard Range New Design & Large Capacity



Features

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

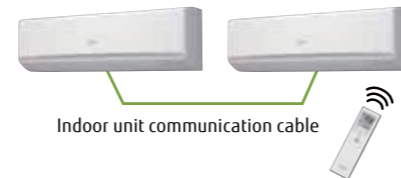
Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to previous operating mode.



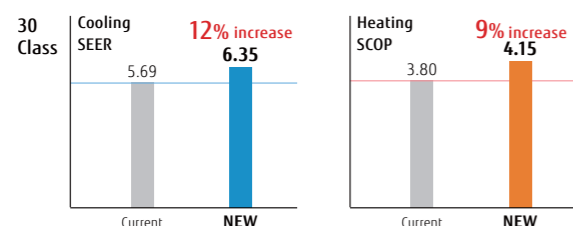
Server room function*

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.

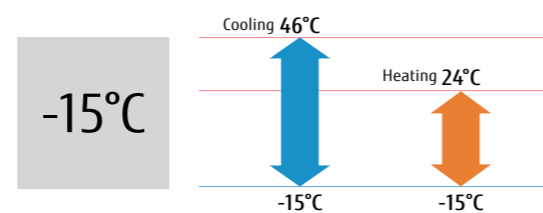
- **Alternative operation:** Two units operate alternately
- **Backup operation:** When 1 unit breaks down, the other unit starts operating automatically.
- **Supporting operation:** Both units operate simultaneously when the loaded capacity is not enough with one unit



High seasonal energy efficiency



Low ambient operation



Model: ASYG30LMTA / ASYG36LMTA



Wireless R.C.



Specifications

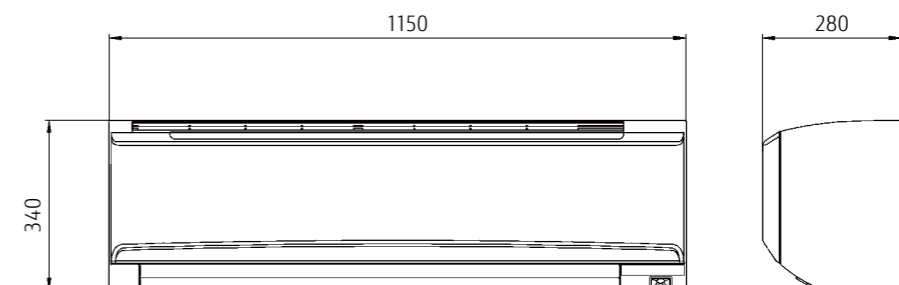
Model No.	Indoor unit		Outdoor unit		ASYG30LMTA	ASYG36LMTA
	Indoor unit		Outdoor unit		AOYG30LMTA	AOYG36LMTA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			8.0 (2.9-9.0)	9.4 (2.9-10.0)
	Heating	kW			8.8 (2.2-11.0)	10.1 (2.7-11.2)
Input Power	Cooling/Heating		kW	2.33/2.41		
	Cooling		W/W	3.43		
EER	Cooling		W/W	3.43		
	Heating		W/W	3.41		
Pdesign	Cooling/Heating(-10°C)		kW	8.0/6.5		
SEER	Cooling		W/W	6.35		
	Heating (Average)		W/W	4.15		
Energy Efficiency Class	Cooling		A++			
	Heating (Average)		A+			
Max. Operating Current	Cooling/Heating		A	14.5/14.5		
	Cooling		kWh/a	441		
Annual Energy Consumption	Cooling		kWh/a	2,193		
	Heating		kWh/a	2,373		
Moisture Removal	Cooling		l/h	2.7		
	Heating		l/h	3.7		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	50/44/38/31			
	Indoor (Heating)	H/M/L/Q	49/44/39/31			
	Outdoor (Cooling/Heating)	High	dB(A)	52/55		
Sound Power Level	Indoor (Cooling/Heating)	High	65/65			
	Outdoor (Cooling/Heating)	High	67/68			
	Outdoor (Cooling/Heating)	High	68/70			
Airflow Rate	Indoor / Outdoor	High	m³/h	1380/3600		
	Indoor		mm	340×1150×280		
Net Dimensions H x W x D	Indoor		kg (lbs)	18 (40)		
	Outdoor		mm	830×900×330		
Weight	Indoor		kg (lbs)	61 (134)		
	Outdoor		kg (lbs)	61 (134)		
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88		
Drain hose Diameter (I.D./O.D.)			mm	13.8 / 15.8 to 16.7		
Max Pipe Length (Pre-Charge)			m	50 (20)		
Max Height Difference			m	30		
Operation Range	Cooling		°CDB	-15 to 46		
	Heating		°CDB	-15 to 24		
Refrigerant	Type (Global Warming Potential)			R410A (2,088)		
	Charge		kg(CO2eq-T)	2.10 (4.4)		

Optional parts

- Wired Remote Controller (Touch panel (two-wire)): UTY-RNRYZ1 + UTY-TWRX
- Wired Remote Controller (High grade (three-wire)): UTY-RVNYM + UTY-XWNX
- Wired Remote Controller (two-wire): UTY-RLRY + UTY-TWRX
- Wired Remote Controller (three-wire): UTY-RNNYM + UTY-XWNX
- Simple Remote Controller (three-wire): UTY-RSNYM, UTY-RSRY + UTY-XWNX
- External input and output PCB (with box): UTY-XCSXZ1 + UTZ-GXXB
- External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)





SIMULTANEOUS MULTI

For Light Commercial



PRODUCT LINEUP

Type	BTU				
	36	45	54	72	90
Twin/Triple Single phase Page 058	 AOYG36LBTB	 AOYG45LBTB	 AOYG54LBTB		
Twin/Triple 3 phase Page 058	 AOYG36LATT	 AOYG45LATT	 AOYG54LATT		
NEW Twin/Triple/ Double Twin 3 phase Page 060				 AOYG72LRLA	 AOYG90LRLA



SIMULTANEOUS MULTI

- 058 Simultaneous Multi Twin/Triple
- 060 Simultaneous Multi Twin/Triple/Double Twin

Simultaneous Multi Twin/Triple

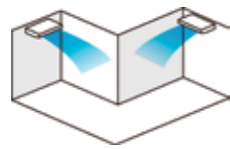


Features

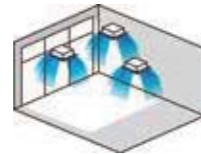
Can support various installation scenes from office to commercial space by same place multi connection of up to 3 units.

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 realized.

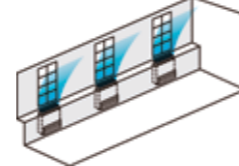
Installation according to floor layout



Installation according to lighting conditions

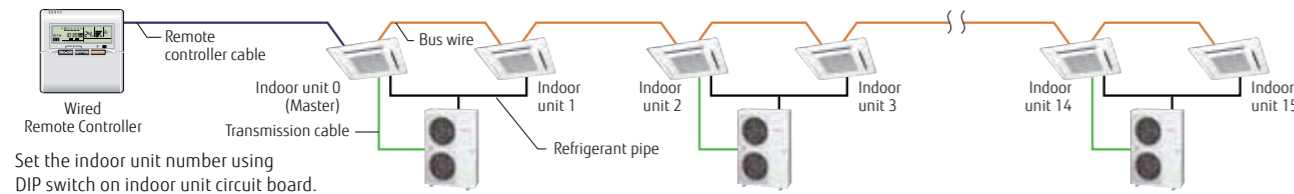


Installation according to layout and lighting conditions



Simultaneous control

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



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

Simultaneous Operation Multi type Indoor Unit Line up

Outdoor unit	AOYG36LBTB/AOYG36LATT		AOYG45LBTB/AOYG45LATT		AOYG54LBTB/AOYG54LATT	
	4HP		5HP		6HP	
Indoor unit	Combination		Twin		Triple	
		18×2	22×2		24×2	
	Cassette	AUYG18LVLB×2	AUYG22LVLA×2		AUYG24LVLA×2	
	Duct	ARYG18LLTB×2	ARYG22LMLA×2		ARYG24LMLA×2	
	Ceiling	ABYG18LVTB×2	ABYG22LVTA×2		ABYG24LVTA×2	
Separation tube	UTP-SX236A×1		UTP-SX254A×1		UTP-SX254×1	

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



Specifications

Model No.	Indoor unit	Compact Cassette		
		AUYG18LVLB	AUYG22LVLA	AUYG24LVLA
Power Source		Single-phase, ~230V, 50Hz		
Airflow Rate (High)	Cooling H/M/L/Q	m³/h	680/580/490/410	930/830/600/450
Net Dimension H × W × D		mm	245×570×570	245×570×570
Weight		kg (lbs)	15 (33)	16 (35)
Cassette Grille			UTG-UFYD-W	UTG-UFYD-W

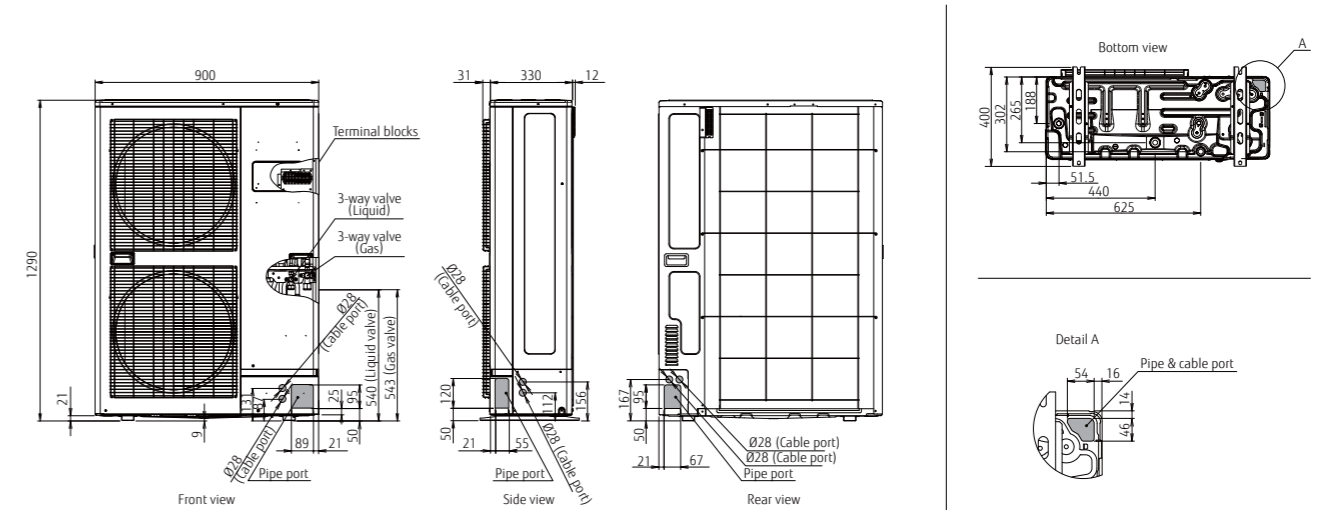
Model No.	Indoor unit	Duct			Floor/Ceiling Universal		
		ARYG18LLTB	ARYG22LMLA	ARYG24LMLA	ABYG18LVTB	ABYG22LVTA	ABYG24LVTA
Power Source		Single-phase, ~230V, 50Hz			Single-phase, ~230V, 50Hz		
Airflow Rate (High)	Cooling H/M/L/Q	m³/h	940/880/820/750	1100/910/750/580	780/700/560/500	980/820/680/540	
Net Dimension H × W × D		mm	198 × 900 × 620	270 × 1135 × 700	199 × 990 × 655	199 × 990 × 655	
Weight		kg (lbs)	38 (84)	38 (84)	27 (60)	27 (60)	

Model No.	Outdoor unit	AOYG36LBTB	AOYG45LBTB	AOYG54LBTB	AOYG36LATT	AOYG45LATT	AOYG54LATT
		Capacity	Cooling	10.0	12.1	13.3	10.0
	Heating	11.2	14.0	15.0	11.2	14.0	16.0
Power Source		Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Pdesign	Cooling	10.0	-	-	10.0	-	-
	Heating (-10°C)	10.0	-	-	10.0	-	-
SEER	Cooling	5.56	-	-	6.00	-	-
SCOP	Heating	3.90	-	-	4.00	-	-
Annual Energy Consumption	Cooling	629	-	-	583	-	-
	Heating	3588	-	-	3499	-	-
Energy Efficiency Class	Cooling	A	-	-	A+	-	-
	Heating	A	-	-	A+	-	-
Sound Pressure Level (High)	Cooling	52	54	55	51	54	55
	Heating	69	70	72	69	69	71
Net Dimension H × W × D		mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
Weight		kg (lbs)	93(205)	93(205)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)		m	75(30)	75(30)	75(30)	75(30)	75(30)
Height Difference		m	30	30	30	30	30
Operation Range	Cooling	*CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)
Separation tube			UTP-SX236A(Twin)	UTP-SX254A(Twin)	UTP-SX254A(Twin)/UTP-SX354A(Triple)	UTP-SX236A (Twin)	UTP-SX254A (Twin)/UTP-SX354A (Triple)

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

Dimensions

(Unit : mm)



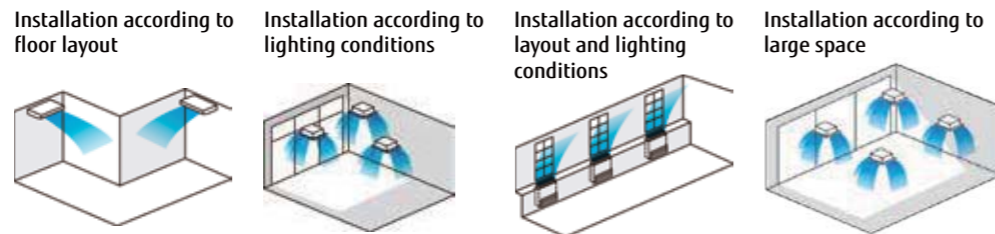
NEW Simultaneous Multi Twin/Triple/Double Twin



Features

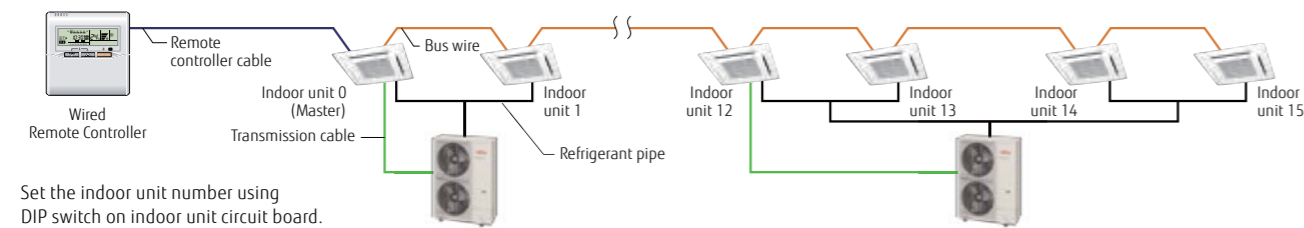
Can support various applications from large open plan offices to retail stores with up to 4 indoor units.

Indoor units distributed layout according to the shape and number of people and lighting conditions of the room even on wide floors. Ideal comfortable air flow distribution can be realized.



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.

Simultaneous Operation Multi type Indoor Unit Line up

Outdoor unit	AOYG72LRLA			AOYG90LRLA			
	8HP			10HP			
Indoor unit	Combination	Twin	Triple	Double Twin	Twin	Triple	Double Twin
		36×2	24×3	18×4	45×2	30×3	22×4
	Cassette	AUYG36LRLA×2	AUYG24LRLA×3	AUYG18LRLA×4	AUYG45LRLA×2	AUYG30LRLA×3	AUYG22LRLA×4
	Duct	ARYG36LMLE×2	ARYG24LMLA×3	ARYG18LLTB×4	ARYG45LMLA×2	ARYG30LMLE×3	ARYG22LMLA×4
	Ceiling	ABYG36LRTE×2	ABYG24LVTA×3	ABYG18LVTB×4	ABYG45LRTA×2	ABYG30LRTE×3	ABYG22LVTA×4
Separation tube		UTP-SX272A×1	UTP-SX372A×1	UTP-SX272A×1 UTP-SX236A×2	UTP-SX272A×1	UTP-SX372A×1	UTP-SX272A×1 UTP-SX254A×2

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



Tentative

Specifications

Model No.	Indoor unit	Compact Cassette, Cassette					
		AUYG18LVLB	AUYG22LVLA	AUYG24LMLA	AUYG30LRLE	AUYG36LRLE	AUYG45LRLA
Power Source		Single-phase, ~230V, 50Hz					
Airflow Rate (Cooling)	H/M/L/Q m ³ /h	680/580/490/410	930/830/600/450	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	245×570×570	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
Weight	kg(lbs)	15 (33)	16 (35)	16 (35)	26 (57)	26 (57)	26 (57)
Cassette Grille		UTG-UFYD-W			UTG-UGYA-W		

Model No.	Indoor unit	Duct					
		ARYG18LLTB	ARYG22LMLA	ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA
Power Source		Single-phase, ~230V, 50Hz					
Airflow Rate (Cooling)	H/M/L/Q m ³ /h	940/880/820/750	1100/910/750/580	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	270 × 1135 × 700
Weight	kg(lbs)	23 (51)	38 (84)	38 (84)	40 (88)	40 (88)	40 (88)

Model No.	Indoor unit	Floor/Ceiling, Ceiling					
		ABYG18LVTB	ABYG22LVTA	ABYG24LVTA	ABYG30LRTE	ABYG36LRTE	ABYG45LRTA
Power Source		Single-phase, ~230V, 50Hz					
Airflow Rate (Cooling)	H/M/L/Q m ³ /h	780/700/560/500	980/820/680/540	980/820/680/540	1660/1500/1200/1000	1900/1500/1200/1000	2100/1700/1400/1100
Net Dimension H × W × D	mm	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655	240 × 1660 × 700	240 × 1660 × 700	240 × 1660 × 700
Weight	kg(lbs)	27 (60)	27 (60)	27 (60)	46 (101)	46 (101)	46 (101)

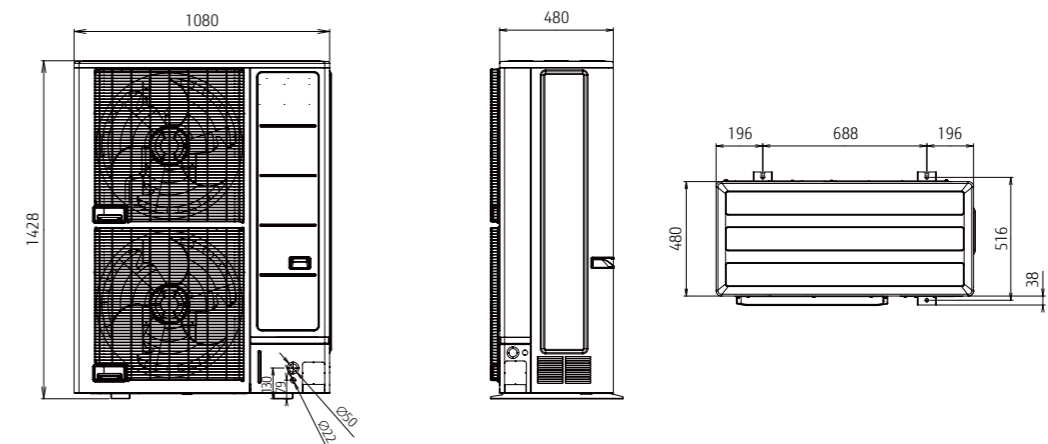
Model No.	Outdoor unit		AOYG72LRLA	AOYG90LRLA
	Capacity	Cooling		19.0
	Heating		22.4	27.0
Power Source			3-phase, ~400V, 50Hz	
Sound Pressure Level (High)	Cooling	dB(A)	55	55
Net Dimension H × W × D		mm	1428×1080×480	1428×1080×480
Weight		kg(lbs)	*	*
Connection Pipe Diameter (Liquid / Gas)		mm	12.7/25.4	12.7/25.4
Max Pipe Length (Pre-Charge)		m	100 (30)	100 (30)
Height Difference			30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46
	Heating		-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	*	*

*: That specification is not fixed yet.

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

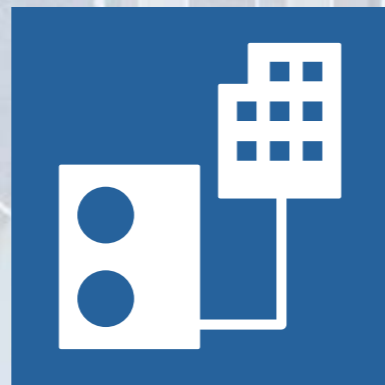
Dimensions

(Unit : mm)



SMALL VRF

For Light Commercial



PRODUCT LINEUP SMALL VRF Outdoor Units

Capacity (kW)	12.1	14.0	15.1-15.5	22.4	28.0	33.5
HP	4	5	6	8	10	12
NEW J-III Series Page 064~				 AJY072LELAH	 AJY090LELAH	 AJY108LELAH
J-III Series Page 068~	 AJY040LBLAH AJY040LELAH	 AJY045LBLAH AJY045LELAH	 AJY054LBLAH AJY054LELAH			
J-IIS Series Page 072~	 AJY040LCLAH	 AJY045LCLAH	 AJY054LCLAH			

SMALL VRF

- 062 PRODUCT LINEUP SMALL VRF Outdoor Units
- 064 AIRSTAGE™ J-III
- 068 AIRSTAGE™ J-III
- 072 AIRSTAGE™ J-IIS
- 076 PRODUCT LINEUP SMALL VRF Indoor Units
- Small VRF New Indoor Units**
- 078 Cassette Circular Flow
- 079 Mini Duct
- 080 Large Airflow Duct (Compact type)
- 081 Compact Floor
- 082 Wall Mounted
- 084 Indoor Units for SMALL VRF Specifications

Heat Pump for Small Capacity Type

AIRSTAGE™ J-III L

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



System Outline

Compact Outdoor unit

The compact and low sound level enable the units to be installed to various environment with restriction and/or limited spaces such as mechanical rooms and or rooftops.

Small room application

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

Quiet design

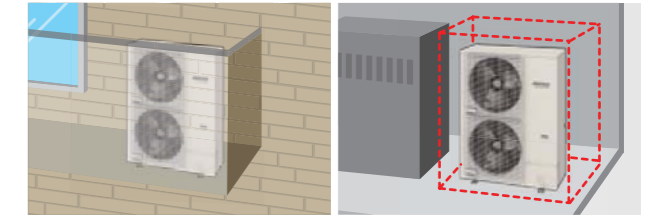
Top class low sound operation has been achieved. This allows installation of the units to various places without a special sound prevention work.



AIRSTAGE™ J-III L

Compact Design

This model is much more compact than conventional 12HP comparable outdoor unit. Inconspicuous installation is available even on the roof.



Model / 12HP class

Height difference
1,428 mm
▲26%

Space area
0.71 m²
▲27%

Advanced high efficiency technology



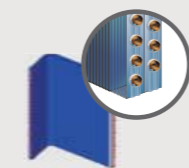
Large propeller fan

The high efficiency and the low sound operation are mutually realized by reduction of a draft loss which are enabled by the Fujitsu General's original blade design and a large diameter propeller fan.



DC fan motor

Miniaturized, low noise, high efficiency, multi-stage DC fan motor is mounted.



Large heat exchanger

Heat exchange performance is substantially improved by mounting of 2-row large heat exchanger.



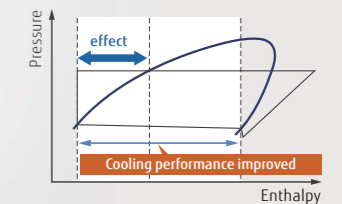
DC inverter control

Efficiency is improved by mounting of new active filter module.



Subcool heat exchanger

Cooling performance is improved by mounting of dual tube heat exchanger.



15-120 rps



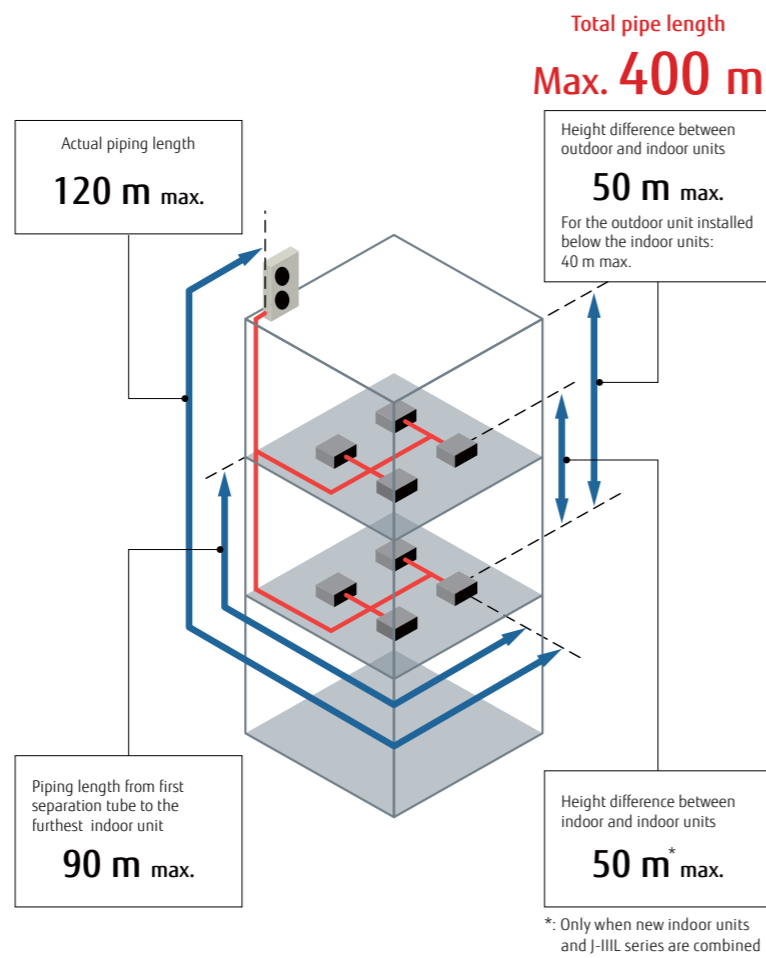
Scroll compressor

The equipment of scroll compressor with a wide range of rotational frequency from 15 to 120 rps together with Fujitsu General's unique sensorless sine wave control method which smoothly control the input power run into the motor realized a mutual improvement on the energy efficient operation and the low sound operation.

Features

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.



Up to 30 units can be connected

The combination of the smallest but adequate capacity indoor unit and a new outdoor unit with the optimum heat exchanger structure has realized the industry's top class connection of 30 units. The total pipe length has been extended up to 400 meters to fulfill various room layouts.

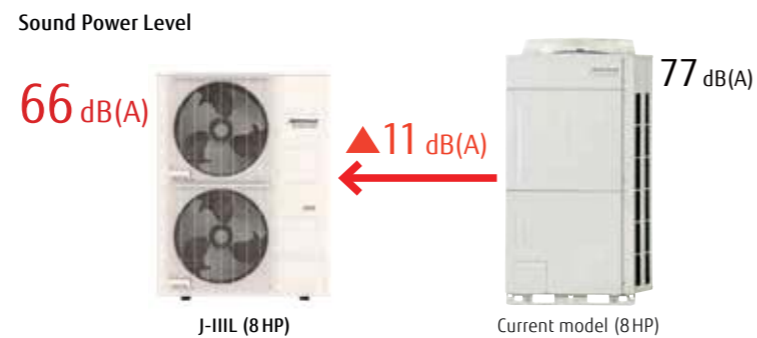
High Static Pressure

External static pressure is available up to 30 Pa. (only 12HP)



Top Class Low Operating Sound

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



NEW 8,10,12HP: AJY072LELAH / AJY090LELAH / AJY108LELAH



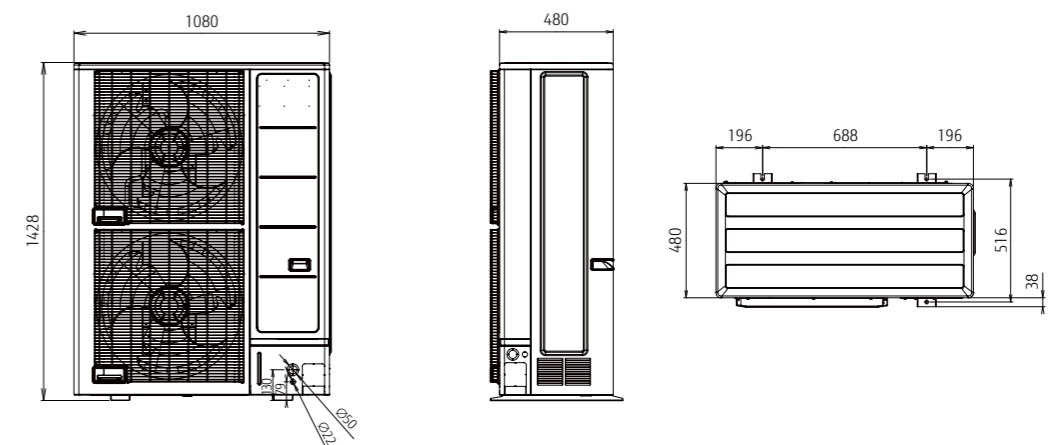
Specifications

Rating Capacity range	HP	8	10	12
Model name		AJY072LELAH	AJY090LELAH	AJY108LELAH
Maximum Connectable Indoor Unit		1-20	1-25	1-30
Power source		3 phase, ~400V, 50Hz		
Capacity	Cooling	22.4	28.0	33.5
	Nominal Heating	22.4	28.0	33.5
	Max Heating	25.0	31.5	37.5
Input power	Cooling	6.30	8.59	10.42
	Nominal Heating	4.65	6.61	8.18
	Max Heating	5.45	8.29	10.25
EER	Cooling	3.56	3.26	3.22
COP	Nominal Heating	4.82	4.24	4.10
	Max Heating	4.56	3.80	3.66
Air flow rate		8,400	9,000	11,000
Sound pressure level / Power level	Cooling	52/66	54/69	59/73
	Heating	54/—	57/—	61/—
	Height	1,428	1,428	1,428
Net Dimensions	Width	1,080	1,080	1,080
	Depth	480	480	480
	Weight	170	177	178
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge kg(CO ₂ eq-T)	7.0 (14.6)	7.5 (15.7)	7.5 (15.7)
Connection pipe diameter	Liquid	9.52	9.52	12.70
	Gas	19.05	22.20	28.58
Total pipe length		400	400	400
Max. height difference		50/40 (Outdoor unit: Upper/Lower)		
Operation range	Cooling	-15 to 46	-15 to 46	-15 to 46
	Heating	-20 to 21	-20 to 21	-20 to 21

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m.

Dimensions

(Unit : mm)



Heat Pump for Small Capacity Type



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



System Outline

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

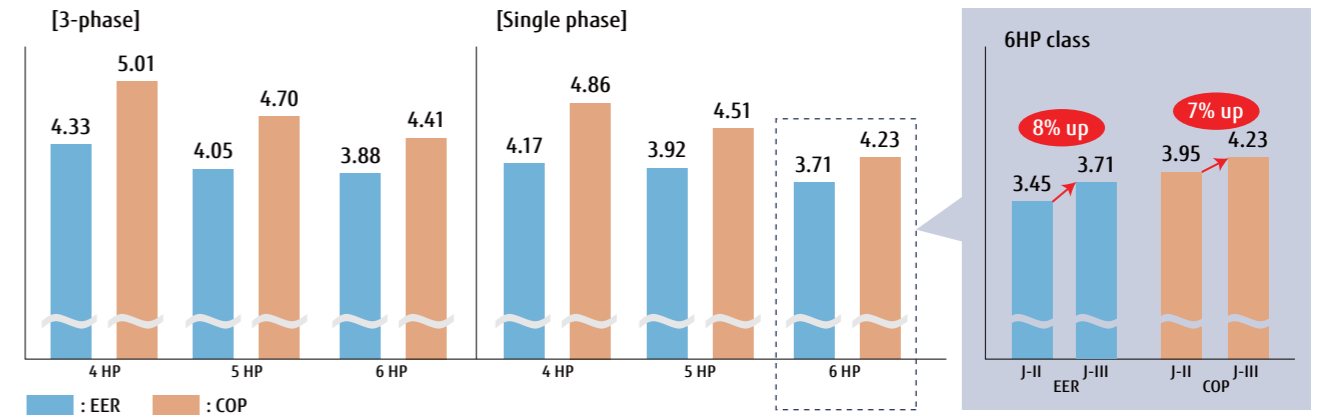
Space saving design and long piping design allow for flexible installation on the roofs or balconies of small and medium-size buildings. Multiple indoor units of various capacities and types can be connected.



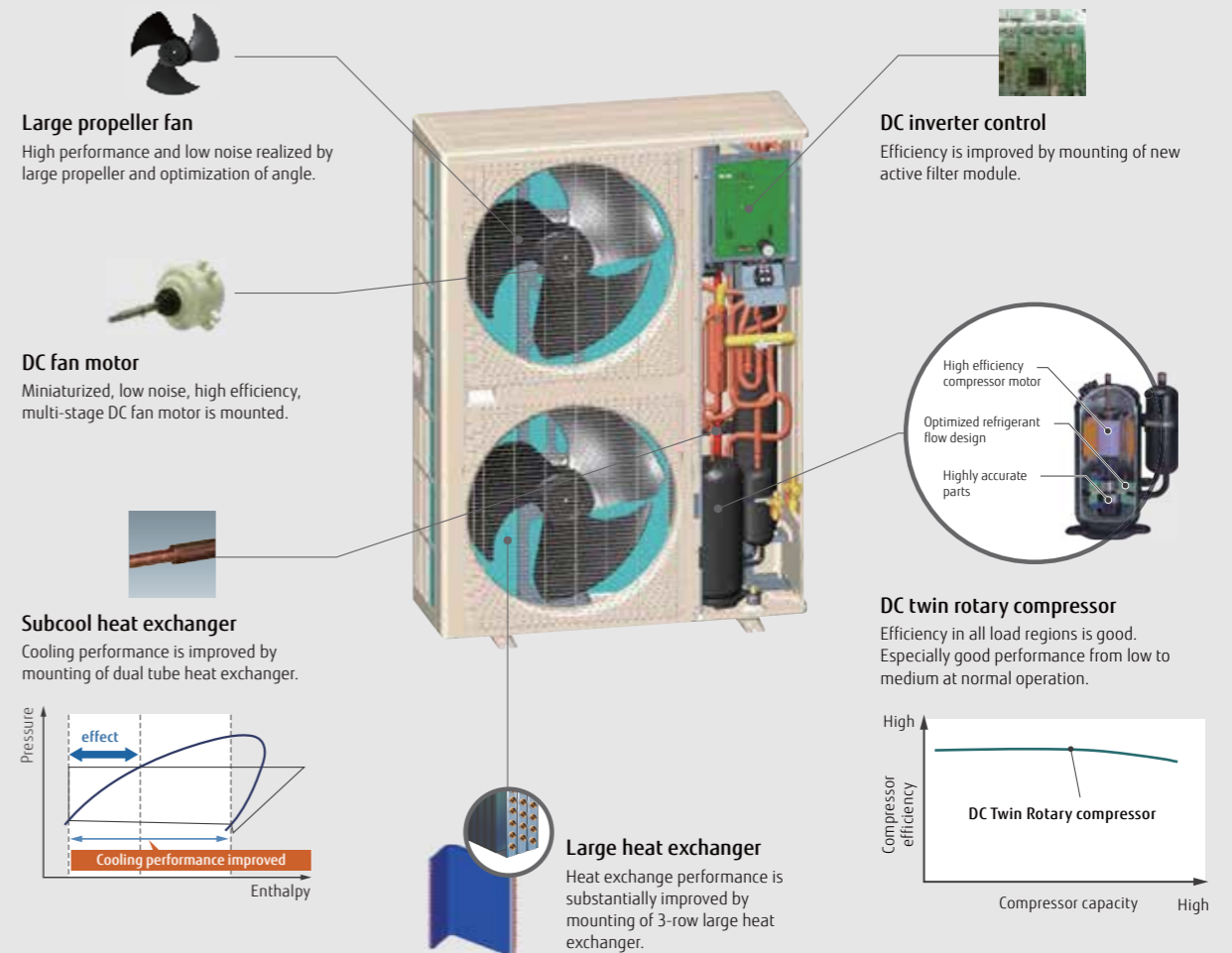
Efficiency in actual operation

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

High EER / COP



Advanced high efficiency technology



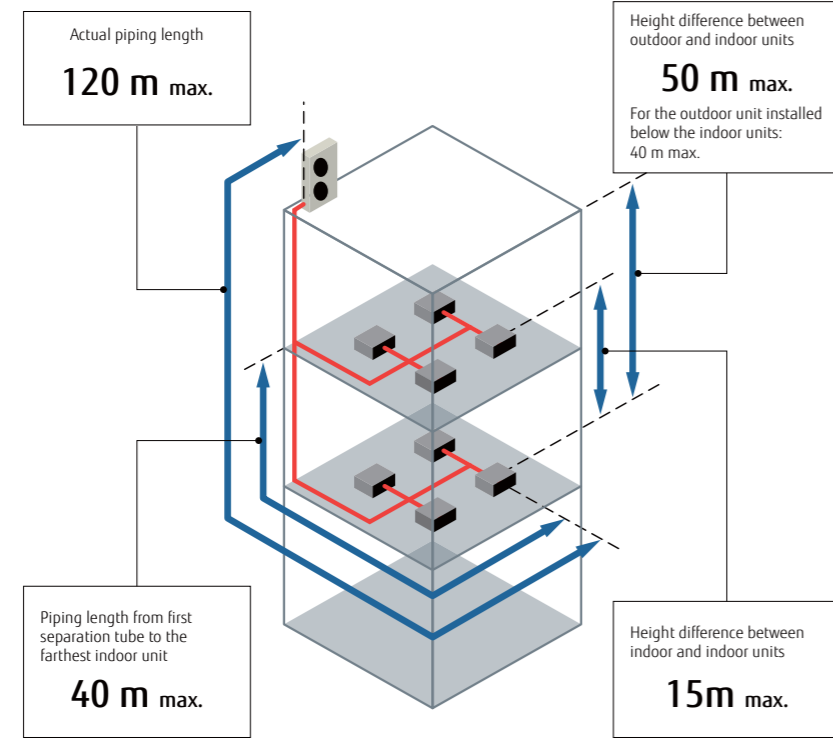
Features

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



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



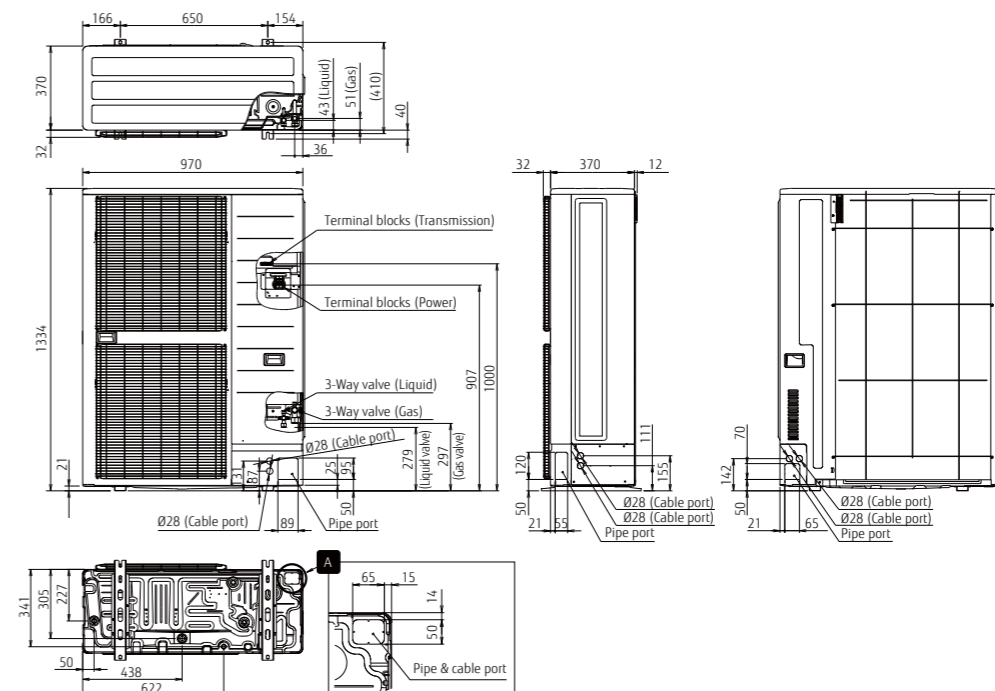
Specifications

Rating Capacity range		HP	4	5	6	4	5	6
Model name			AJY040LBLAH	AJY045LBLAH	AJY054LBLAH	AJY040LELAH	AJY045LELAH	AJY054LELAH
Maximum Connectable Indoor Unit			1-9	1-10	1-13	1-9	1-10	1-13
Power source			Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
	Heating	kW	13.6	16.0	18.0	13.6	16.0	18.0
Input power	Cooling	kW	2.90	3.57	4.18	2.79	3.46	3.99
	Heating	kW	2.80	3.55	4.26	2.71	3.40	4.08
EER	Cooling	W/W	4.17	3.92	3.71	4.33	4.05	3.88
COP	Heating	W/W	4.86	4.51	4.23	5.01	4.70	4.41
Air flow rate		m ³ /h	6,200	6,400	6,900	6,200	6,400	6,900
Sound pressure level / Power level	Cooling	dB(A)	50 / 66	51 / 67	53 / 69	50 / 66	51 / 67	53 / 69
	Heating	dB(A)	52 / 68	53 / 69	55 / 71	52 / 68	53 / 69	55 / 71
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	mm	1,334	1,334	1,334	1,334	1,334	1,334
	Width	mm	970	970	970	970	970	970
	Depth	mm	370	370	370	370	370	370
Weight		kg	117	117	119	119	119	119
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO ₂ eq-T)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)	4.8 (10.0)	5.3 (11.1)	5.3 (11.1)
Connection pipe diameter	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	mm	15.88	15.88	19.05	15.88	15.88	19.05
Total pipe length		m	180	180	180	180	180	180
Max. height difference		m	50/40 (Outdoor unit: Upper/Lower)			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	-5 to 46
	Heating	°C	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21

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

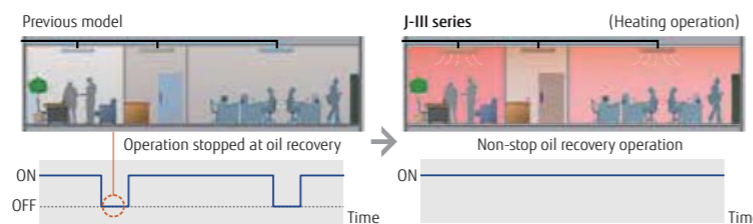
Dimensions

(Unit : mm)



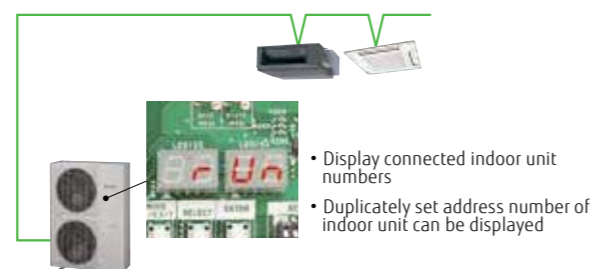
Non-stop oil recovery operation

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.



Heat Pump for Small Capacity Type



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



System Outline

Space saving and low sound level design

Economical individual air conditioning is realized 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.

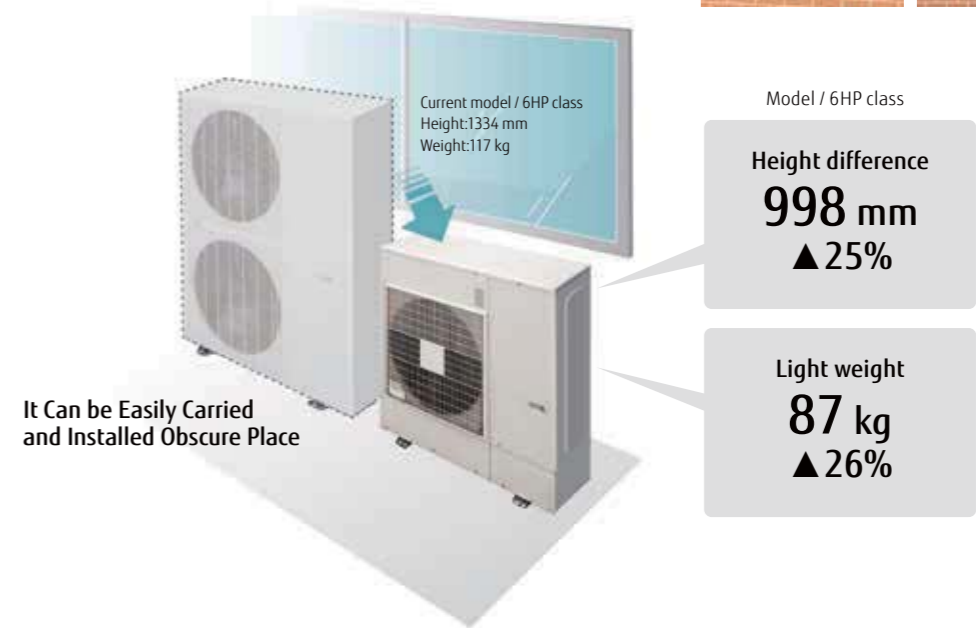


www.eurovent-certification.com
www.certiflash.com

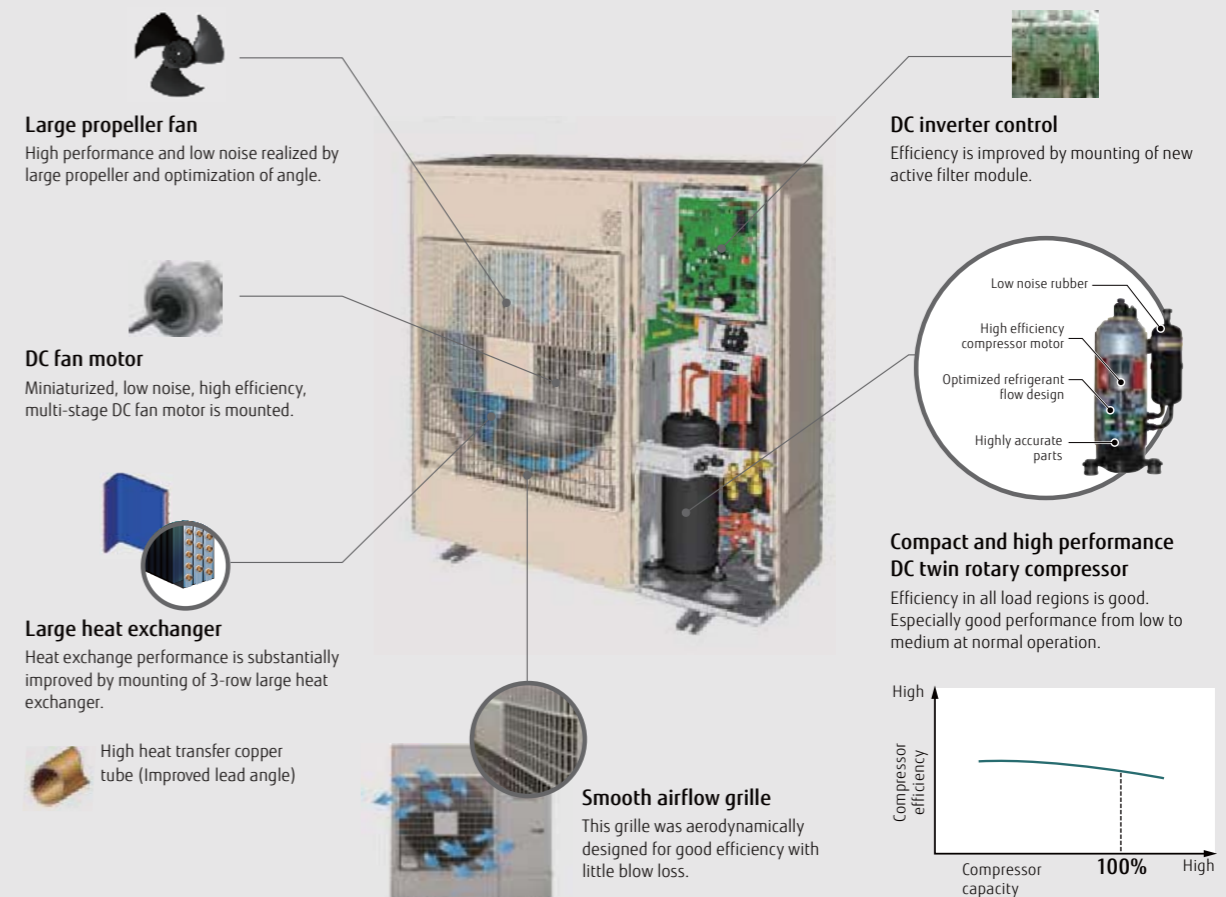


Small and light weight outdoor unit

This model is much more compact than conventional 6 HP comparable outdoor units. Even when installed on the balcony it fits within the height of the fence. The compact size with a height of less than 1 m allows it to be installed under windows and in tight spaces



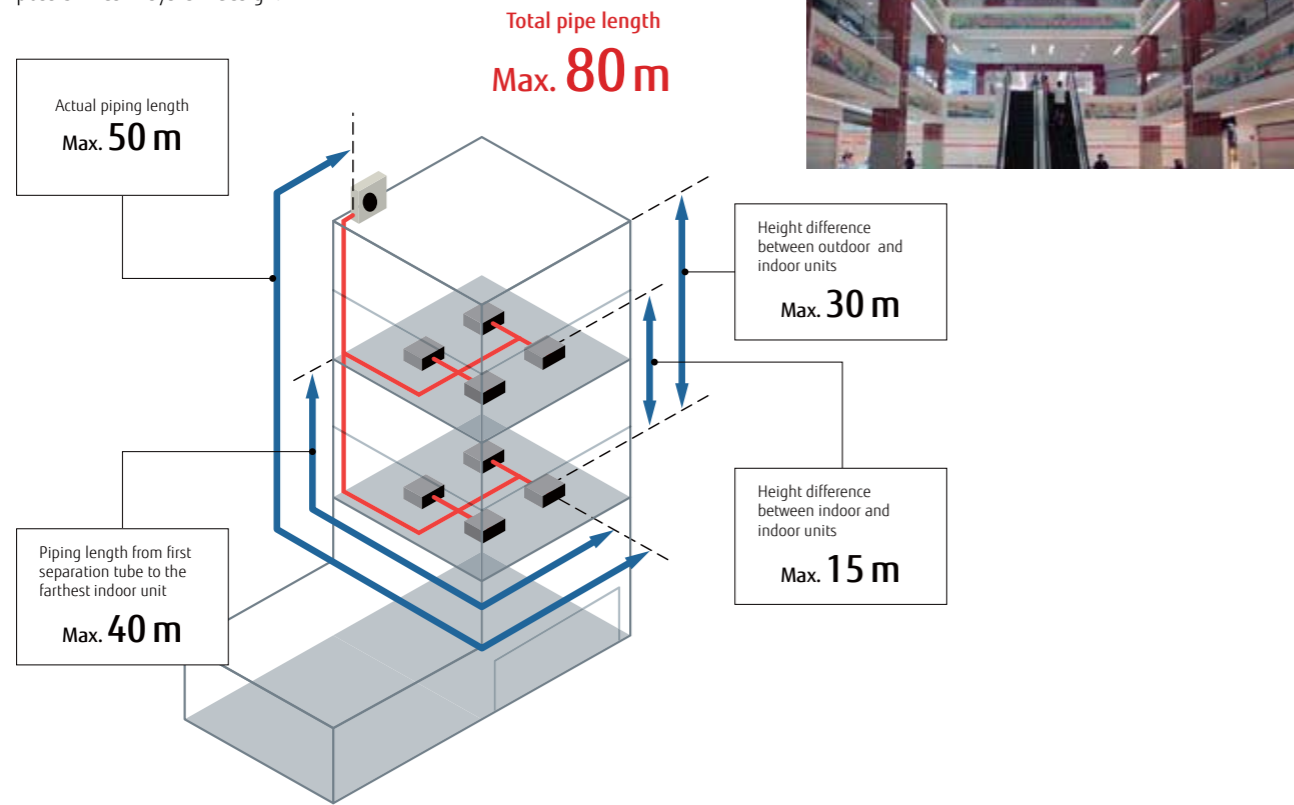
Advanced high efficiency technology



Features

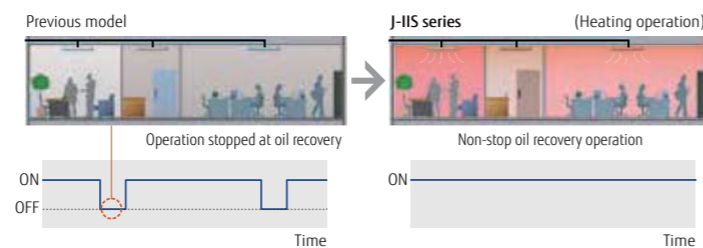
Long piping length

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.



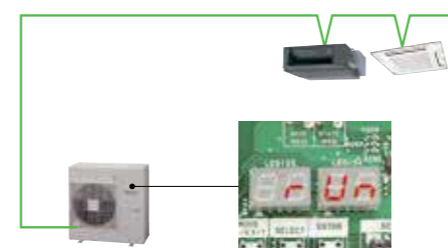
Non-stop oil recovery operation

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
- Duplicately set address number of indoor unit can be displayed

4,5,6HP : AJY040LCLAH / AJY045LCLAH / AJY054LCLAH



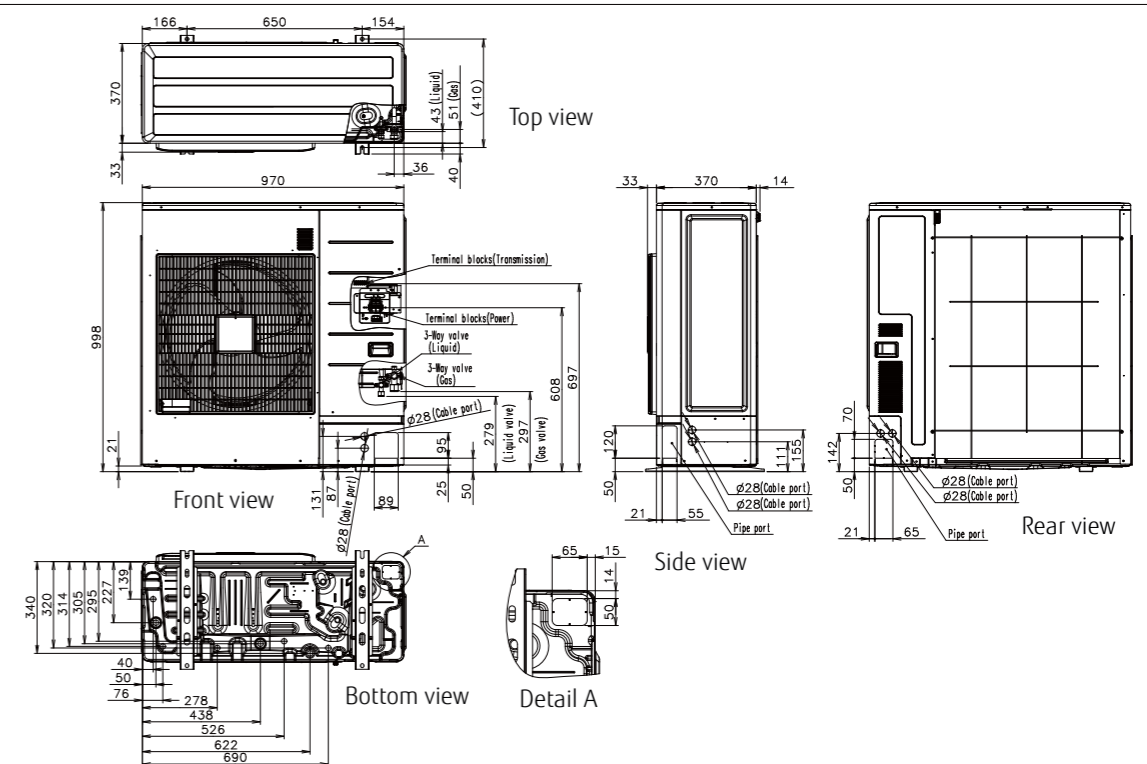
Specifications

Rating Capacity range	HP	4	5	6
Model name		AJY040LCLAH	AJY045LCLAH	AJY054LCLAH
Maximum Connectable Indoor Unit		7	8	8
Power source		Single-phase, ~230V, 50Hz		
Capacity	Cooling	12.1	14.0	15.1
	Heating	13.6	16.0	16.5
Input power	Cooling	3.44	4.43	5.03
	Heating	3.09	3.93	4.11
EER	Cooling	3.52	3.16	3.00
COP	Heating	4.40	4.07	4.01
Air flow rate		4,040	4,200	4,200
Sound pressure level / Power level	Cooling	51 / 67	53 / 69	54 / 70
	Heating	54 / 68	55 / 69	56 / 70
Heat exchanger fin		Blue fin		
Net Dimensions	Height	998	998	998
	Width	970	970	970
	Depth	370	370	370
Weight		86	86	87
Refrigerant	Type (Global Warming Potential)	R410A (2,088)		
	Charge	4.0 (8.4)	4.0 (8.4)	4.0 (8.4)
Connection pipe diameter	Liquid	9.52	9.52	9.52
	Gas	15.88	15.88	15.88
Total pipe length		80	80	80
Max. height difference		30	30	30
Operation range	Cooling	-5 to 46	-5 to 46	-5 to 46
	Heating	-20 to 21	-20 to 21	-20 to 21

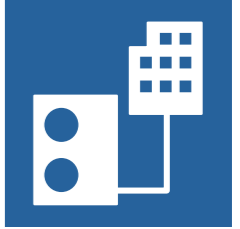
Note : Specifications are based on the following conditions.
 Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
 Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
 Pipe length : 7.5 m; Height difference between outdoor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

Dimensions

(Unit : mm)



SMALL VRF Indoor Units



Capacity range (kW)		1.1	2.2	2.8	3.6	4.5	5.6	7.1	9.0	10.0	11.2	12.5	14.0	18.0	22.4	25.0	28.0
Model code		4	7	9	12	14	18	24	30	34	36	45	54	60	72	90	96
Cassette	Compact	NEW AUXB04GBLH	AUXB07GALH	AUXB09GALH	AUXB12GALH	AUXB14GALH	AUXB18GALH	AUXB24GALH									
	4-way Flow Slim type						AUXD18GALH	AUXD24GALH									
	4-way Flow Large type						AUXA18GALH*1	AUXA24GALH*1	AUXA30GALH	AUXA34GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH				
	NEW Circular Flow Slim type						AUXM018GLAH	AUXM024GLAH	AUXM030GLAH								
	NEW Circular Flow Large type						AUXK018GLAH	AUXK024GLAH	AUXK030GLAH	AUXK034GLAH	AUXK036GLAH	AUXK045GLAH	AUXK054GLAH				
Duct	Mini Duct (With drain pump)	NEW ARXK04GCLH	ARXK07GCLH	ARXK09GCLH	ARXK12GCLH	ARXK14GCLH	ARXK18GCLH	ARXK24GCLH									
	Slim Duct (With drain pump)	ARXD04GALH*1	ARXD07GALH	ARXD09GALH	ARXD12GALH	ARXD14GALH	ARXD18GALH	ARXD24GALH									
	Medium Static Pressure Duct							ARXA24GBLH	ARXA30GBLH		ARXA36GBLH	ARXA45GBLH					
	High Static Pressure Duct										ARXC36GATH	ARXC45GATH	ARXC60GATH*2	ARXC72GATH*2	ARXC90GATH*2	ARXC96GATH*2	
	NEW Large Airflow Duct (Compact type)						ARXN018GLBH*3	ARXN024GTBH*3	ARXN030GTBH*3								
Floor	Floor (*Same as Ceiling models)				ABYA12GATH	ABYA14GATH	ABYA18GATH	ABYA24GATH									
	Slim Concealed Floor (*Same as Slim Duct models)	ARXD04GALH	ARXD07GALH	ARXD09GALH	ARXD12GALH	ARXD14GALH	ARXD18GALH	ARXD24GALH									
	NEW Compact Floor	AGYA004GCAH	AGYA007GCAH	AGYA009GCAH	AGYA012GCAH	AGYA014GCAH											
	NEW Compact Floor (EEV external)	AGYE004GCAH	AGYE007GCAH	AGYE009GCAH	AGYE012GCAH	AGYE014GCAH	With this model, connection of EV kit is necessary.										
Ceiling				ABYA12GATH	ABYA14GATH	ABYA18GATH	ABYA24GATH	ABYA30GATH		ABYA36GATH	ABYA45GATH	ABYA54GATH					
Wall Mounted	Wall Mounted	NEW ASYA004GTAH	NEW ASYA007GTAH	NEW ASYA009GTAH	ASYA12GACH	ASYA14GACH	NEW ASYA18GBCH	NEW ASYA24GBCH	NEW ASYA30GTAH	NEW ASYA34GTAH							
	Wall Mounted (EEV external)	NEW ASYE004GTAH	NEW ASYE007GTAH	NEW ASYE009GTAH	ASYE12GACH	ASYE14GACH	With this model, connection of EV kit is necessary.										

*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.



NEW

Cassette Circular Flow Comfort for large room

AIRSTAGE™



Model: AUXM018GLAH / AUXM024GLAH / AUXM030GLAH
AUXK018GLAH / AUXK024GLAH / AUXK030GLAH / AUXK034GLAH / AUXK036GLAH / AUXK045GLAH / AUXK054GLAH

Features

Unique Circular Flow design

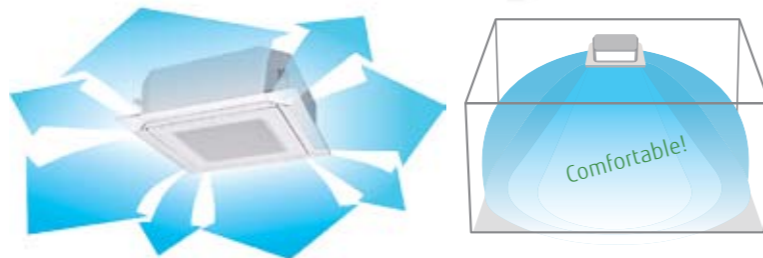
New Cassette type realizes Circular Flow to blow large airflow in 360° direction by mounting high performance DC fan motor, new turbo fan and unique seamless airflow louver design.

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



Uniform temperature air conditioning

Achieve a comfortable air conditioning spread to every corner of the room by circular flow & wide vertical airflow.



Individual louver control

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

*Touch Panel Wired RC (UTY-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

NEW

Mini Duct

AIRSTAGE™

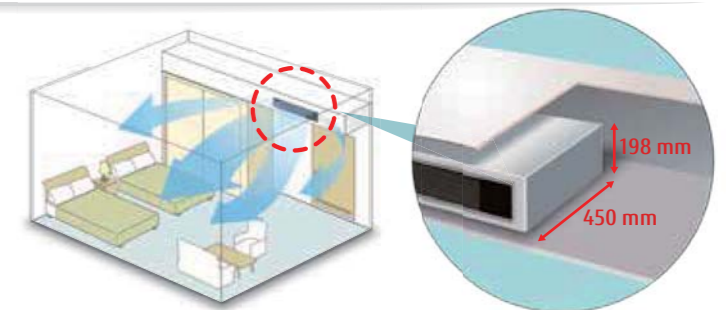


Model: ARXK04GCLH / ARXK07GCLH / ARXK09GCLH / ARXK12GCLH / ARXK14GCLH / ARXK18GCLH / ARXK24GCLH

Features

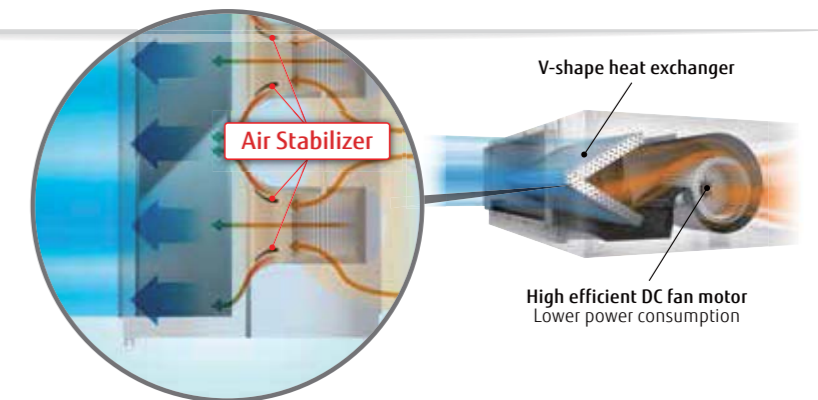
Large living space available

- Installation space can be reduced down to minimum depth 450 mm height 198 mm and compact design
- Minimum size: Depth 450 mm, Height 198 mm Volume 27% down compared with current model
- Lightweight: 14.5 kg 15% down (4 class)



Optimum airflow path and low noise operation

Low noise is realized drastically by stabilized airflow design



V-shape heat exchanger

High efficient DC fan motor
Lower power consumption

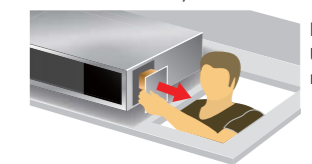
Easy design and maintenance for drain

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 Louver Grille Kit (Option)

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



NEW

Large Airflow Duct Compact type



Model: ARXN018GLBH

Model: ARXN024GTBH / ARXN030GTBH

Features

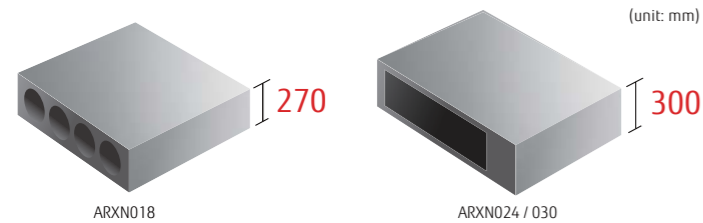
Large airflow volume

It can be installed in places such as early replacement of air required by large airflow volume.



Slim & Compact design

It can be installed in places such as early replacement of air required by large airflow volume.



Quiet operation

Multistep airflow speed control allows this model to install in a quiet location.

Noise level **22 dB(A)**
at 024/030 model

6-Step Speed

- High
- Med-H
- Med
- Med-L
- Low
- Quiet

NEW

Compact Floor Compact & Comfort

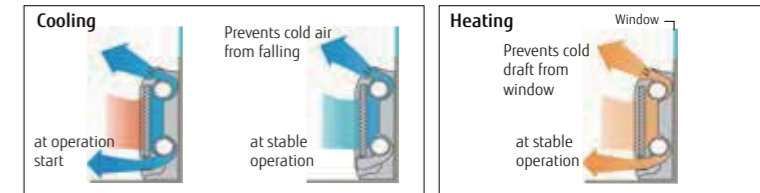


Model: AGYA004GCAH / AGYA007GCAH / AGYA009GCAH / AGYA012GCAH / AGYA014GCAH / AGYE004GCAH / AGYE007GCAH / AGYE009GCAH / AGYE012GCAH / AGYE014GCAH (EEV external)

Features

2-Fan & Wide airflow

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



Quiet operation

Quiet operation is realized by 6 fan speed control (via 2 wire controller)

Low noise **22 dB(A)**
at 004/007/009 models

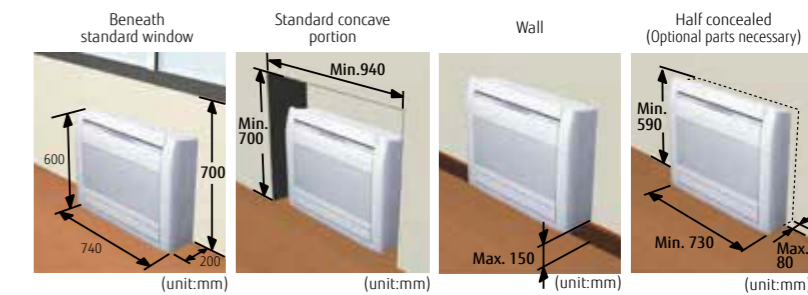
6-Step Speed

- High
- Med-H
- Med
- Med-L
- Low
- Quiet

* Compatible Remote Controller is as follows:
UTY-RNRYZ2 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGY / UTY-DTGYZ1 / UTY-ALGX / UTY-APGX

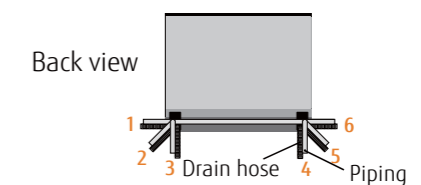
Flexible & easy installation

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



Flexible piping connection 6 direction of drain & piping

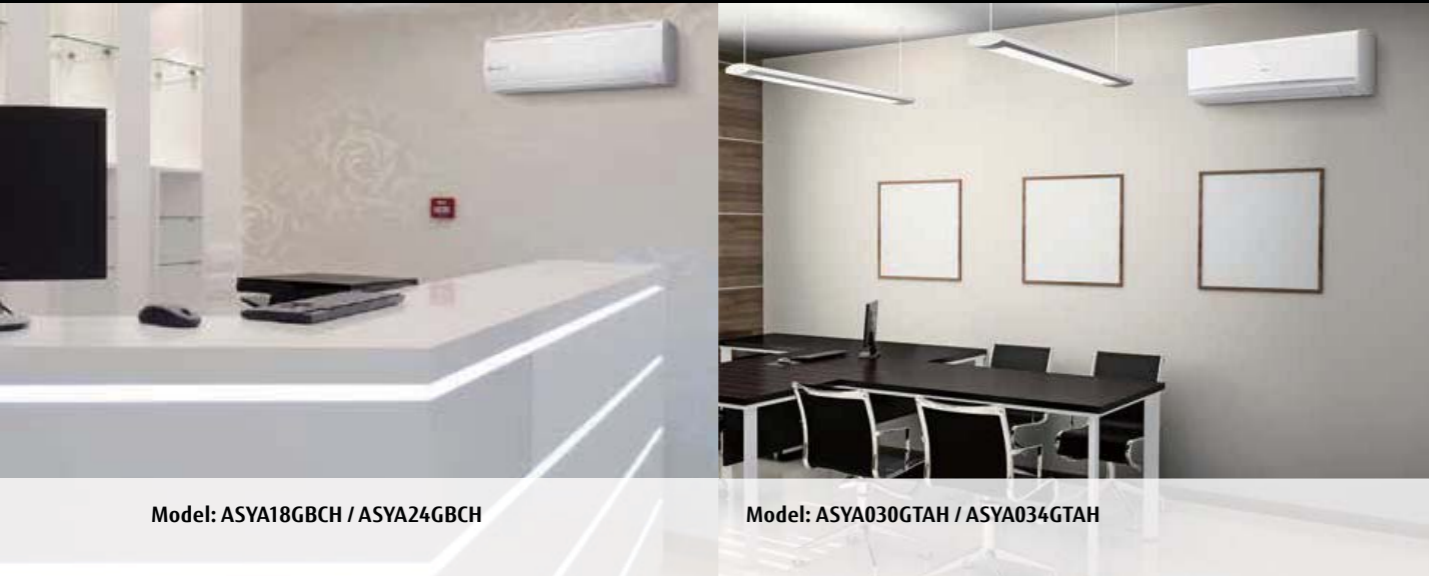
Drain hose and piping can be drawn flexibly in the right, left, side, and down directions



NEW

Wall Mounted Standard Range

AIRSTAGE™



Model: ASYA18GBCH / ASYA24GBCH

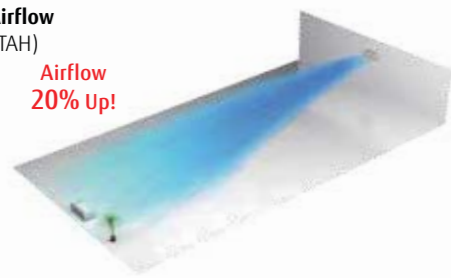
Model: ASYA030GTAH / ASYA034GTAH

Features

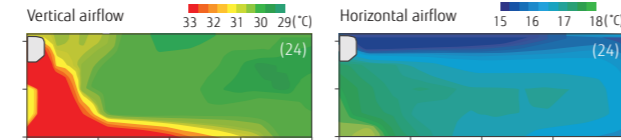
Powerful & Comfort airflow

Powerful Airflow (ASYA030GTAH)

Airflow 20% Up!



Power diffuser (ASYA18/24GBCH)



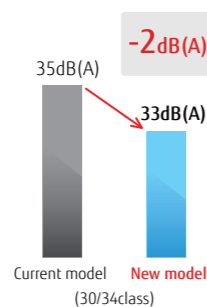
Human sensor (ASYA030/034GTAH only)

A human sensor senses the movement of humans to reduce operation when one is in the room. The wasteful consumption of energy is reduced automatically to keep down electricity bills. (Available to wired remote controller as UTY-RNRYZ2)



Quiet operation & 6 Fan speed control

Drastic low noise is realized by new airflow structure. In addition, multistep quiet operation is available by 6-step sound level settings.



- 6-Step Speed
- High
 - Med-H
 - Med
 - Med-L
 - Low
 - Quiet

* Compatible Remote Controller is as follows: UTY-RNRYZ2 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGY / UTY-DTGYZ1 / UTY-ALGX / UTY-APGX



NEW

Wall Mounted Compact & Comfort

AIRSTAGE™



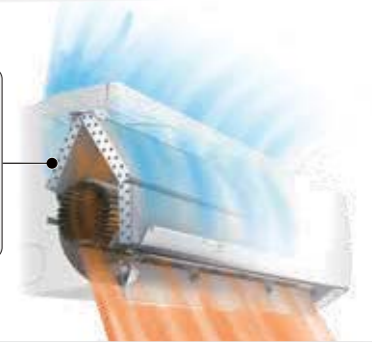
Model: ASYA004GTAH / ASYA007GTAH / ASYA009GTAH
ASYE004GTAH / ASYE007GTAH / ASYE009GTAH (EEV external)

Features

High efficient compact design

Ø5mm high density heat exchanger is mounted for the first time in the industry.

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



Optimized design matches to a small room

Efficient operation and refrigerant saving are realized by optimum heat exchanger design suited for small rooms.



Easy installation

Communication wiring can be installed easily by only opening the front panel and wire cover.



6 Fan Speed Control

Multistep airflow control is possible to suit the environment.

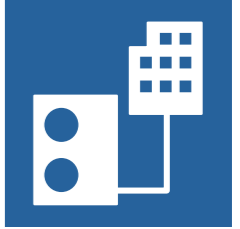
Fan speed Quiet Noise level 22 dB(A)

- 6-Step Speed
- High
 - Med-H
 - Med
 - Med-L
 - Low
 - Quiet

* Compatible Remote Controller is as follows: UTY-RNRYZ2 / UTY-RLRY / UTY-RSRY / UTY-RHRY / UTY-DCGY / UTY-DTGYZ1 / UTY-ALGX / UTY-APGX



Indoor Units for SMALL VRF Specifications



4-way Compact Cassette

NEW



Model name		AUXB04GBLH	AUXB07GALH	AUXB09GALH	AUXB12GALH	AUXB14GALH	AUXB18GALH	AUXB24GALH
Power source		Single-phase, ~230V, 50Hz						
Capacity	Cooling	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	1.3	2.8	3.2	4.1	5.0	6.3	8.0
Input power		W						
Airflow rate	High	23	25	25	29	35	36	84
	Med	530	540	550	600	680	710	1,030
	Low	420/450*1	450	450	530	590	580	830
Sound pressure level	High	300/350*1	350	350	390	390	400	450
	Med	34	34	35	37	38	41	50
	Low	28/30*1	30	30	34	34	35	44
Net Dimensions (H x W x D)		mm						
Weight		kg(lbs)						
Connection pipe diameter		mm						
Drain hose diameter (I.D./O.D.)		mm						
Cassette Grille	Model name	UTG-UFYC-W						
	Net Dimensions (HxWxD)	mm						
Weight		kg(lbs)						

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*	AUXA18GALH	AUXA24GALH	AUXA30GALH	AUXA34GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH
Power source		Single-phase, ~230V, 50Hz								
Capacity	Cooling	5.6	7.1	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating	6.3	8.0	6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power		W								
Airflow rate	High	39	46	51	51	59	77	80	99	119
	Med	1,150	1,280	1,420	1,420	1,600	1,750	1,800	1,900	2,000
	Low	940	1,040	1,230	1,230	1,300	1,300	1,300	1,370	1,370
Sound pressure level	High	870	870	1,100/1,000*1	1,100/1,000*1	1,100	1,100	1,100	1,100	1,100
	Med	36	38	40	40	43	44	46	47	
	Low	30	33	36	36	38	38	39	39	
Net Dimensions (H x W x D)		mm								
Weight		kg(lbs)								
Connection pipe diameter		mm								
Drain hose diameter (I.D./O.D.)		mm								
Cassette Grille	Model name	UTG-UGYA-W								
	Net Dimensions (HxWxD)	mm								
Weight		kg(lbs)								

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 'cooling operation / heating operation'. * : AUXA18/24GALH cannot be connected to J-III L series.

Circular Flow Cassette

NEW



Model name		AUXM018GLAH	AUXM024GLAH	AUXM030GLAH	AUXK018GLAH	AUXK024GLAH	AUXK030GLAH	AUXK034GLAH	AUXK036GLAH	AUXK045GLAH	AUXK054GLAH
Power source		Single-phase, ~230V, 50Hz									
Capacity	Cooling	5.6	7.1	9.0	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating	6.3	8.0	10.0	6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power		W									
Airflow rate	High	20	25	49	40	40	47	47	61	89	116
	Med-H	1,050	1,120	1,470	1,420	1,420	1,440	1,440	1,620	1,820	2,040
	Med	930	1,050	1,160	1,360	1,360	1,440	1,440	1,500	1,590	1,800
Sound pressure level	Med-L	900	930	1,070	1,300	1,300	1,340	1,340	1,400	1,500	1,590
	Low	870	900	930	1,270	1,270	1,300	1,300	1,340	1,400	1,440
	Quiet	810	870	900	1,200	1,200	1,280	1,280	1,280	1,300	1,300
Net Dimensions (H x W x D)	High	780	780	780	1,150	1,150	1,150	1,150	1,150	1,150	1,150
	Med-H	33	35	40	38	38	39	39	41	44	47
	Med	32	33	36	37	37	38	38	40	42	45
Weight	Med-L	31	32	34	36	36	37	37	38	40	42
	Low	30	31	32	35	35	36	36	37	38	39
	Quiet	29	30	31	34	34	35	35	36	36	36
Connection pipe diameter		mm									
Drain hose diameter (I.D./O.D.)		mm									
Cassette Grille	Model name	UTG-UKYC-W / UTG-UKYA-B									
	Net Dimensions (HxWxD)	mm									
Weight		kg(lbs)									

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 AUX*018GLAH 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.

Mini Duct

NEW



Model name		ARXK04GCLH	ARXK07GCLH	ARXK09GCLH	ARXK12GCLH	ARXK14GCLH	ARXK18GCLH	ARXK24GCLH
Power source		Single-phase, ~230V, 50Hz						
Capacity	Cooling	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W						
Airflow rate	High	26	28	28	35	36	73	80
	Med-H	460	460	460	550	760	930	1,160
	Med	440	—	—	—	—	—	—
Sound pressure level	Med-L	420	420	420	480	560	740	960
	Low	400	—	—	—	—	—	—
	Quiet	370	370	370	410	410	540	750
Net Dimensions (H x W x D)		mm						
Weight		kg(lbs)						
Connection pipe diameter		mm						
Drain hose diameter (I.D./O.D.)		mm						

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	Cooling	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power		W						
Airflow rate	High	40	44	50	54	92	83	122
	Med	510	550	600	600	800	940	1,330
	Low	400/470*1	490	550	510	710	840	1,240
Sound pressure level	Med-L	320/440*1	440	480	450	610	750	1,100
	Low	36	38	40	40	43	44	46
	Quiet	30	33	36	36	38	38	39
Net Dimensions (H x W x D)		mm						
Weight		kg(lbs)						
Connection pipe diameter		mm						
Drain hose diameter (I.D./O.D.)		mm						

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. * : ARXD04GALH cannot be connected to J-III L series.

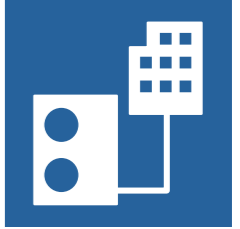
Medium Static Pressure Duct



Model name		ARXA24GBLH	ARXA30GBLH	ARXA36GBLH	ARXA45GBLH
Power source		Single-phase, ~230V, 50Hz			
Capacity	Cooling	7.1	9.0	11.2	12.5
	Heating	8.0	10.0	12.5	14.0
Input power		W			
Airflow rate	High	94	108	194	240
	Med	1,280	1,410	1,840	1,970
	Med-L	990	1,280	1,600	1,860
Sound pressure level	Low	840	1,150	1,470	1,640
	Quiet	0 to 150	0 to 150	0 to 150	0 to 150
	Standard static pressure	40	50	60	60
Net Dimensions (H x W x D)	High	31	34	37	41
	Med	27	32	35	38
	Low	23	29	33	36
Connection pipe diameter		mm			
Drain hose diameter (I.D./O.D.)		mm			

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].

Indoor Units for SMALL VRF Specifications



High Static Pressure Duct



Model name	ARXC36GBTH	ARXC45GATH	ARXC60GATH*	ARXC72GBTH*	ARXC90GBTH*	ARXC96GATH*
Power source	Single-phase, ~230V, 50Hz					
Capacity	Cooling 11.2	12.5	18.0	22.4	25.0	28.0
	Heating 12.5	14.0	20.0	25.0	28.0	31.5
Input power	W					
	Cooling 207	715	730	681	819	838
	Heating 1,990	3,500	3,500	3,900	4,300	4,850
Airflow rate	m³/h					
	High 1,680	3,000	3,000	3,300	4,000	4,250
	Med 1,330	2,460	2,460	3,000	3,500	3,600
	Low -	-	-	-	-	-
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	Pa					
	100	100	100	150	150	150
Sound pressure level	dB(A)					
	High 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(lbs)					
	40 (88)		84 (185)		105 (231)	
Connection pipe diameter	mm					
	9.52 (Flare)		12.70 (Brazing)		12.70 (Brazing)	
Drain hose diameter (I.D./O.D.)	mm					
	19.05 (Flare)		22.22 (Brazing)		25/32	

Note : Specifications are based on the following conditions.

*: ARXC60/72/90/96G can be connected to J-III L series only.

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

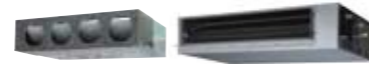
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

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

Voltage : 230 [V].

Large Airflow Duct (Compact type)

NEW



Model name	ARXN018GLBH	ARXN024GTBH	ARXN030GTBH
Power source	Single-phase, ~230V, 50Hz		
Capacity	Cooling 5.6	7.1	9.0
	Heating 6.3	8.0	10.0
Input power	W		
	Cooling 173	180	273
	High 1,720	2,100	2,700
	Me-Hi -	2,050	2,390
	Med 1,470	1,860	2,080
	Me-Lo -	1,660	1,770
	Low 1,360	1,470	1,470
	Quiet -	1,260	1,260
Static pressure range	Pa		
	0 to 80	0 to 100	0 to 100
Standard static pressure	Pa		
	50	50	50
Sound pressure level	dB(A)		
	High 36	37	41
	Me-Hi -	35	38
	Med 33	33	34
	Me-Lo -	31	31
	Low 30	28	28
	Quiet -	26	26
Net Dimensions (H × W × D)	mm		
	270 × 1,135 × 700		300 × 1,400 × 700
Weight	kg(lbs)		
	39		48
Connection pipe diameter	mm		
	6.35		9.52
Drain hose diameter (I.D./O.D.)	mm		
	12.70		15.88

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].

Compact Floor

NEW



Model name	AGYA004GCAH	AGYA007GCAH	AGYA009GCAH	AGYA012GCAH	AGYA014GCAH	AGYE004GCAH	AGYE007GCAH	AGYE009GCAH	AGYE012GCAH	AGYE014GCAH
Power source	Single-phase, ~230V, 50Hz									
Capacity	Cooling 1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0
	Heating 1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5
Input power	W									
	Cooling 12 / 14	16	17	22	29	12 / 14	16	17	22	29
	High 380 / 430	470	500	590	670	380 / 430	470	500	590	670
	Med-H 350	420	450	520	590	350	420	450	520	590
	Med 320	390	400	470	520	320	390	400	470	520
	Med-L 310	360	360	420	450	310	360	360	420	450
	Low 280	330	330	390	390	280	330	330	390	390
	Quiet 210	270	270	340	340	210	270	270	340	340
Sound pressure level	dB(A)									
	High 35 / 36	37	38	42	46	35 / 36	37	38	42	46
	Med-H 33	35	36	39	42	33	35	36	39	42
	Med 31	33	34	37	39	31	33	34	37	39
	Med-L 30	31	31	35	36	30	31	31	35	36
	Low 28	29	29	33	33	28	29	29	33	33
	Quiet 22	22	22	30	30	22	22	22	30	30
Net Dimensions (H × W × D)	mm									
	600 × 740 × 200					600 × 740 × 200				
Weight	kg(lbs)									
	15 (33)		15 (33)		15 (33)		14.5 (32)		14.5 (32)	
Connection pipe diameter	mm									
	6.35		6.35		6.35		9.52		6.35	
Drain hose diameter (I.D./O.D.)	mm									
	9.52					12.70				
EV Kit (option)	13.8/15.8 to 16.7					13.8/15.8 to 16.7				

Note : Specifications are based on the following conditions.

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

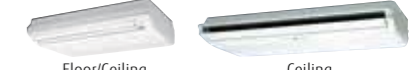
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

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, gas pipe diameter should be Ø12.70.

Floor/Ceiling / Ceiling



Model name	ABYA12GATH	ABYA14GATH	ABYA18GATH	ABYA24GATH	ABYA30GATH	ABYA36GATH	ABYA45GATH	ABYA54GATH
Power source	Single-phase, ~230V, 50Hz							
Capacity	Cooling 3.6	4.5	5.6	7.1	9.0	11.2	12.5	14.0
	Heating 4.0	5.0	6.3	8.0	10.0	12.5	14.0	16.0
Input power	W							
	Cooling 30	42	74	99	66	85	131	180
	High 660	780	1,000	1,000	1,630	1,690	2,010	2,270
	Med 570	640	720	820	1,370	1,400	1,600	1,780
	Low 490	550	580	680	1,140	1,170	1,230	1,280
Sound pressure level	dB(A)							
	High 36	40	46	47	42	45	48	51
	Med 32	36	39	42	38	38	42	45
	Low 28	34	35	37	33	34	35	36
Net Dimensions (H × W × D)	mm							
	199 × 990 × 655							
Weight	kg(lbs)							
	25 (55)		26 (57)		26 (57)		27 (59)	
Connection pipe diameter	mm							
	6.35		9.52		9.52		9.52	
Drain hose diameter (I.D./O.D.)	mm							
	12.70				15.88			

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].

Wall Mounted

NEW ASY*004/007/009GTAH



Model name	ASYA004GTAH	ASYA007GTAH	ASYA009GTAH	ASYA12GACH	ASYA14GACH	ASYE004GTAH	ASYE007GTAH	ASYE009GTAH	ASYE12GACH	ASYE14GACH		
Power source	Single-phase, ~230V, 50Hz											
Capacity	Cooling 1.1	2.2	2.8	3.6	4.5	1.1	2.2	2.8	3.6	4.5		
	Heating 1.3	2.8	3.2	4.1	5.0	1.3	2.8	3.2	4.1	5.0		
Input power	W											
	Cooling 13	19	34	22	34	13	19	34	21	34		
	High 430	550	720	560	670	430	550	720	560	680		
	Med-H 420	460	570	-	-	420	460	570	-	-		
	Med 390	420	500	480	490	390	420	500	480	490		
	Med-L 380	390	410	-	-	380	390	410	-	-		
	Low 360	360	360	420	420	360	360	360	420	420		
	Quiet 330	330	330	-	-	330	330	330	-	-		
Sound pressure level	dB(A)											
	High 31	35	43	39	44	31	35	43	38	43		
	Med-H 30	32	38	-	-	30	32	38	-	-		
	Med 28	30	34	35	37	28	30	34	34	35		
	Med-L 26	27	29	-	-	26	27	29	-	-		
	Low 24	24	24	31	32	24	24	24	30	30		
	Quiet 22	22	22	-	-	22	22	22	-	-		
Net Dimensions (H × W × D)	mm											
	262 × 820 × 206			275 × 790 × 215			262 × 820 × 206			275 × 790 × 215		
Weight	kg(lbs)											
	7.5 (17)		7.5 (17)		9 (20)		7 (15)		7 (15)			
Connection pipe diameter	mm											
	6.35			6.35			6.35			6.35		
Drain hose diameter (I.D./O.D.)	mm											
	9.52			12.70			9.52			12.70		
EV Kit (option)	mm											
	13.8/15.8 to 16.7			13.8/15.8 to 16.7			13.8/15.8 to 16.7			13.8/15.8 to 16.7		

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, gas pipe diameter should be Ø12.70.

Wall Mounted

NEW



Model name	ASYA18GBCH	ASYA24GBCH	ASYA30GTAH	ASYA34GTAH
Power source	Single-phase, ~230V, 50Hz			
Capacity	Cooling 5.6	7.1	9.0	10.0
	Heating 6.3	8.0	10.0	11.2
Input power	W			
	Cooling 32	60	74	103
	High 840	1,100	1,440	1,620 / 1,520
	Med-H -	-	1,200	1,300
	Med 770	910	1,050	1,120
	Med-L -	-	940	980
	Low 690	730	890	890
	Quiet -	-	700	700
Sound pressure level	dB(A)			
	High 41	48	53	55 / 54
	Med-H -	-	49	51
	Med 39	43	45	47
	Med-L -	-	42	43
	Low 35	35	39	39
	Quiet -	-	33	33
Net Dimensions (H × W × D)	mm			
	320 × 998 × 238		340 × 1,150 × 280	
Weight	kg(lbs)			
	15 (33)		18 (40)	

SPLIT/SIMULTANEOUS MULTI Optional Parts List/Function List



Interface

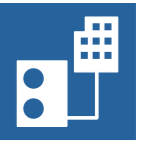
Type	Indoor unit											
	Cassette			Duct						Floor/Ceiling	Ceiling	Wall Mounted
	4-way Flow Compact	Circular Flow	4-way Flow	Mini	Slim	Medium Static Pressure	High Static Pressure	Big				
	AUYG 12/14/18/LVLB, AUYG24/LVLA	AUXG18/24/30/36/45/54 LRLB	AUYG30/36 LRLA, AUYG36/45/54 LRLA	ARYG12/14/18 LSLAP	ARYG12/14/18 LLTB	ARYG12/14/18/24/30/36/45/54/LHTBP	ARYG24/36/45 LMLA, ARYG30/36 LMLE	ARYG45/54/60 LHTA	ARYG72/90 LHTA	ABYG18/LVTB, ABYG24/LVTA	ABYG30/36 LRTA, ABYG36/45/54 LRTA	ASYG30/36 LMTA
Interface												
Wireless LAN Interface	● UTZ-TFXXZ1			● UTZ-TFSXZ1			● UTZ-TFXXZ1			● UTZ-TFSXZ1		
	● FJ-RC-WIFI-1			● FJ-RC-WIFI-1			● FJ-RC-WIFI-1			● FJ-RC-WIFI-1		
KNX Converter	● UTY-VKSX			● UTY-VKSX			● UTY-VKSX			● UTY-VKSX		
KNX Interface	● FJ-RC-KNX-1i			● FJ-RC-KNX-1i			● FJ-RC-KNX-1i			● FJ-RC-KNX-1i		
MODBUS Converter	● UTY-VMSX			● UTY-VMSX			● UTY-VMSX			● UTY-VMSX		
MODBUS Interface	● FJ-RC-MBS-1			● FJ-RC-MBS-1			● FJ-RC-MBS-1			● FJ-RC-MBS-1		

External Input and Output Function/External Connect Kit/Communication Kit

Type	Indoor unit											Outdoor unit		
	Cassette			Duct						Floor/Ceiling	Ceiling	Wall Mounted	Simultaneous Multi	
	4-way Compact	Circular Flow	4-way	Mini	Slim	Medium Static Pressure	High Static Pressure	Big						
	AUYG 12/14/18/LVLB, AUYG24/LVLA	AUXG 18/24/30/36/45/54 LRLB	AUYG30/36/LRLA, AUYG36/45/54 LRLA	ARYG 12/14/18 LSLAP	ARYG 12/14/18 LLTB	ARYG12/14/18/24/30/36/45/54/LHTBP	ARYG24/36/45 LMLA, ARYG36/LMLE	ARYG45/54/60 LHTA	ARYG72/90 LHTA	ABYG18/LVTB, ABYG24/LVTA	ABYG30/36 LRTA, ABYG36/45/54 LRTA	ASYG30/36 LMTA	AOYG36/45 LBTB	AOYG36/45/54 LATT
Input Function														
Operation/Stop	● UTY-XWZX	● PCB Terminal or ● UTY-XCSX + UTZ-GXRA	● UTY-XWZX	● PCB Terminal	● UTD-ECSSA	● PCB Terminal or ● UTY-XCSX + UTZ-GXNA	● UTD-ECSSA	● UTD-ECSSA	● PCB Terminal or ● UTY-XCSX	● UTY-XWZX	● UTY-XWZX	● UTY-XWZX or ● UTY-XWZX + UTY-XCSXZ1 + UTZ-GXXB	● UTY-XWZXZ3	○ UTY-XWZXZ2
Forced Stop	● UTY-XWZX	● PCB Terminal	● UTY-XWZX	● PCB Terminal	● UTD-ECSSA	● PCB Terminal	● UTD-ECSSA	● UTD-ECSSA	● PCB Terminal	● UTY-XWZX	● UTY-XWZX	● UTY-XWZX or ● UTY-XWZX + UTY-XCSXZ1 + UTZ-GXXB	● UTY-XWZXZ3	○ UTY-XWZXZ2
Forced Thermostat off		● UTY-XCSX + UTZ-GXRA				● UTY-XCSX		● UTD-ECSSA	● UTY-XCSX			● UTY-XWZX or ● UTY-XWZX + UTY-XCSXZ1 + UTZ-GXXB	● UTY-XWZXZ3	○ UTY-XWZXZ2
Low Noise Mode Operation												● UTY-XWZXZ3	○ UTY-XWZXZ2	
Outdoor Unit Operation Peak Control												● UTY-XWZXZ3	○ UTY-XWZXZ2	
Output Function														
Operation Status	○ UTY-XWZX	● UTY-XWZXZG or ○ UTY-XCSX + UTZ-GXRA	○ UTY-XWZX	● UTY-XWZXZG	○ UTD-ECSSA	● UTY-XWZXZG or ○ UTY-XCSX + UTZ-GXNA	○ UTD-ECSSA	○ UTD-ECSSA	● UTY-XWZXZG or ○ UTY-XCSX	○ UTY-XWZX	○ UTY-XWZX	● UTY-XWZX or ● UTY-XWZX + UTY-XCSXZ1 + UTZ-GXXB	○ UTY-XWZXZ3	○ UTY-XWZXZ2
Error Status		● UTY-XWZXZG or ○ UTY-XCSX + UTZ-GXRA				● UTY-XWZXZG or ○ UTY-XCSX + UTZ-GXNA						● UTY-XWZXZ3	○ UTY-XWZXZ2	
Compressor status												○ UTY-XWZXZ3	○ UTY-XWZXZ2	
Indoor Unit Fun Operation Status	● UTZ-VXAA*1	● UTY-XWZXZG or ○ UTY-XCSX + UTZ-GXRA	● UTZ-VXGA*1	● UTY-XWZXZG	● UTD-ECSSA	● UTY-XWZXZG or ○ UTY-XCSX + UTZ-GXNA	● UTD-ECSSA	● UTD-ECSSA	● UTY-XWZXZG or ○ UTY-XCSX	● UTD-ECSSA		● UTY-XWZXZ3	○ UTY-XWZXZ2	
Set point attainment status												● UTY-XWZX*2		
Auxiliary Heater Output		● UTY-XWZXZG or ○ UTY-XCSX + UTZ-GXRA		● UTY-XWZXZG	● UTD-ECSSA	● UTY-XWZXZG or ○ UTY-XCSX + UTZ-GXNA	● UTD-ECSSA	● UTD-ECSSA	● UTY-XWZXZG or ○ UTY-XCSX					

*1: This wire is included in Fresh air intake kit (UTZ-VXAA or UTZ-VXRA) ●: Dry Contact ○: Apply Voltage
*2: This function is for installing at server room.

SMALL VRF Optional Parts List/Function List



Interface

Type	Indoor unit																			
	Cassette				Duct						Floor		Ceiling/Floor	Ceiling	Wall Mounted					
	4-way Compact	4-way	Circular Flow	Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure	High Static Pressure	—	EEV external	—	—	EEV external			—	EEV external	—			
	AUXB 04/GLH, AUXB 07/09/12/14/18/24 GALH	AUXD 18/24 GALH	AUXA 18/24/30/34/36/45/54GALH	AUXM 018/024/030GLAH	AUXK 018/024/030/034/036/045/054GLAH	ARXX 04/07/09/12/14/18/24GLH	ARXD 04/07/09/12/14/18/24GALH	ARXA 24/30/36/45GALH	ARXC36 G8TH, ARXC45/60 GATH	ARXC72/90G8TH, ARXC96 GATH	AGYA 004/007/009/012/014GCAH	AGYE 004/007/009/012/014GCAH	ABYA 12/14/18/24GATH	ABYA 30/36/45/54GATH	ASYA 004/007/009 GTAH	ASYE 004/007/009 GTAH	ASYA 12/14 GACH	ASYE 12/14 GACH	ASYA 18/24 GBCH	ASYA 030/034 GTAH
Interface																				
Wireless LAN Interface					● UTY-TFSXZ1						● UTY-TFSXZ1		● UTY-TFSXZ1							
	● FJ-RC-WIFI-1				● FJ-RC-WIFI-1						● FJ-RC-WIFI-1		● FJ-RC-WIFI-1							
KNX Converter	● UTY-VKSX																			
KNX Interface	● FJ-RC-KNX-1i				● FJ-RC-KNX-1i						● FJ-RC-KNX-1i		● FJ-RC-KNX-1i							
MODBUS Converter	● UTY-VMSX																			
MODBUS Interface	● FJ-RC-MBS-1				● FJ-RC-MBS-1						● FJ-RC-MBS-1		● FJ-RC-MBS-1							
External Switch Controller	● UTY-TERX																			

External Input and Output Function/External Connect Kit/Communication Kit




Type	Indoor unit						Outdoor unit			Controller				
	Cassette	Duct		Floor, Floor (EEV external)	Ceiling/Floor	Ceiling	Wall Mounted, Wall Mounted (EEV external)	J-III	J-III	J-III	Central Remote Controller	Touch Panel Controller		
	4-way Compact Cassette, 4-way Cassette, Circular Flow Cassette	Mini Duct (With drain pump), Slim duct (With drain pump), Medium Static Pressure Duct, High Static Pressure Duct						AJG 072/090/108 LELAH	AJY 040/045/054 LBLAH, AJY 040/045/054 LELAH	AJY 040/045/054 LCLAH	UTY-DCGY	UTY-DTGYZ1		
Input Function														
Operation / Stop	● UTY-XWZXZD						○ UTY-XWZXZB							
All On / All Off							● UTY-XWZXZ7						●*2	
Batch Stop							● UTY-XWZXZ6						○*2	
Forced Stop	● UTY-XWZXZD						○ UTY-XWZXZB							
Emergency Stop	● UTY-XWZXZD						○ UTY-XWZXZB						● UTY-XWZXZ7	●*2
Forced Thermostat off	● UTY-XWZXZE						○ UTY-XWZXZ7						○ UTY-XWZXZ8	○*2
Low Noise Mode Operation							● UTY-XWZXZ6							
Cooling/ Heating Priority							● UTY-XWZXZ6							
Outdoor Unit Operation Peak Control							● UTY-XWZXZ6							
Power Usage Information from Electricity Meter							● UTY-XWZXZF						●*2	
Output Function														
Operation Status	● UTY-XWZXZC						○ UTY-XWZXZ6						○ UTY-XWZXZA	
Error Status	● UTY-XWZXZC						○ UTY-XWZXZ6						○ UTY-XWZXZA	
Indoor Unit Fun Operation Status	● UTY-XWZXZC													
Auxiliary Heater Output	● UTY-XWZXZC													
Base Heater							● UTY-XWZXZ9							

*2: 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

Others


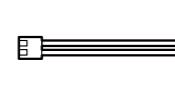
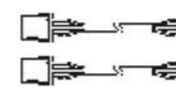
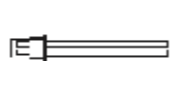



For SPLIT/MULTI SPLIT/SIMULTANEOUS MULTI

<p>External input and output PCB</p>  <p>UTY-XCSXZ1 for Wall Mounted type</p> <p>UTY-XCSX for Duct and Cassette type</p>	<p>External input and output PCB Box</p>  <p>UTZ-GXXB</p> <p>UTZ-GXRA</p>	<p>External input and output PCB Bracket</p>  <p>UTZ-GXNA</p>
--	---	---

Communication system For SPLIT/MULTI SPLIT

External Connect Kit

<p>For Indoor Unit</p> <p>UTY-XWZX</p>  <p>UTY-XWZXZG</p> 	<p>For Outdoor unit</p> <p>UTY-XWZXZ2</p>  <p>UTY-XWZXZ3</p>  <p>UTY-XWZXZ4</p> 
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External Control Set







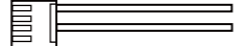
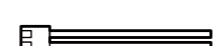
For Indoor unit







UTD-ECS5A



Communication system For SMALL VRF



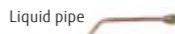

External Connect Kit

<p>For Indoor unit</p> <p>UTY-XWZXZ7</p>  <p>UTY-XWZXZB</p>  <p>UTY-XWZXZC</p> 	<p>UTY-XWZXZD</p>  <p>UTY-XWZXZE</p> 	<p>For Outdoor unit</p> <p>UTY-XWZXZ6</p>  <p>UTY-XWZXZ9</p>  <p>UTY-XWZXZF</p> 
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<p>For RB unit</p> <p>UTY-XWZXZ6</p>  <p>UTY-XWZXZB</p> 	<p>For Central Remote Controller</p> <p>UTY-XWZXZ7</p>  <p>UTY-XWZXZ8</p>  <p>UTY-XWZXZA</p> 	<p>For Touch Panel Controller</p> <p>UTY-XWZXZA</p> 
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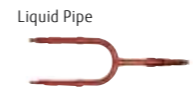




For SPLIT/MULTI SPLIT/SIMULTANEOUS MULTI








Separation Tube

<p>UTP-SX236A / UTP-SX254A For 3-phase Simultaneous Multi</p> 	<p>UTP-SX354A For 3-phase Simultaneous Multi</p> 	<p>UTP-SX248A For 8 Rooms Multi</p> <p>Liquid pipe</p>  <p>Gas pipe</p> 
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For SMALL VRF

Separation Tube

<p>UTP-AX054A</p> <p>Gas Pipe</p>  <p>Liquid Pipe</p> 	<p>UTP-AX090A</p> <p>Gas Pipe</p>  <p>Liquid Pipe</p> 	<p>UTP-AX180A</p> <p>Gas Pipe</p>  <p>Liquid Pipe</p> 
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<p>Header</p> <p>UTR-H0906L / UTR-H1806L</p> <p>Gas Pipe</p>  <p>Liquid Pipe</p> 	<p>UTR-H0908L / UTR-H1808L</p> <p>Gas Pipe</p>  <p>Liquid Pipe</p> 	<p>Outdoor Unit Branch Kit</p> <p>UTP-CX567A</p> <p>Gas Pipe</p>  <p>Liquid Pipe</p> 	<p>EV Kit</p> <p>Model code \leq 09 : UTR-EV09XB Model code \geq 12 : UTR-EV14XB For Compact Wall Mounted type</p> 
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Specifications

Separation Tube	
Model name	UTP-AX054A
Total cooling capacity of indoor unit (kW)	19.6 or less

Model name	UTP-AX090A
Total cooling capacity of indoor unit (kW)	28.0 or less

Header

Model name	3-6 Branches	UTR-H0906L	UTR-H1806L
	3-8 Branches	UTR-H0908L	UTR-H1808L
Total cooling capacity of indoor unit (kW)		28.0 or less	28.1 to 56.0

Outdoor unit Branch kit

Model name	UTP-CX567A (for V-II/V-III)	UTP-DX567A (for VR-II)
Number of outdoor unit	2 outdoor units	1
	3 outdoor units	2

EV Kit

Model name	UTR-EV09XB		UTR-EV14XB	
Application model	ASYE004GTAH ASYE007GTAH ASYE009GTAH	AGYE004GCAH AGYE007GCAH AGYE009GCAH	ASYE12GACH ASYE14GACH	AGYE012GCAH AGYE014GCAH

COMMERCIAL

- 096 SOLUTIONS
- 098 CORE TECHNOLOGY

LARGE VRF **AIRSTAGE™**

- 104 PRODUCT LINEUP LARGE VRF Outdoor Units
- 106 AIRSTAGE™ VR-II
- 114 AIRSTAGE™ V-III
- 120 AIRSTAGE™ V-III Tropical
- 126 AIRSTAGE™ V-II
- 132 PRODUCT LINEUP LARGE VRF Indoor Units
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VENTILATION

- 140 PRODUCT LINEUP
- 142 Energy Recovery Ventilator
- 144 Outdoor Air Unit
- 146 DX-Kit for Air Handling Application

OPTIONAL PARTS

- 148 Optional Parts List/Function List
- 151 Others



COMMERCIAL SOLUTIONS



LARGE BUILDING

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.

LARGE BUILDING

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

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 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%

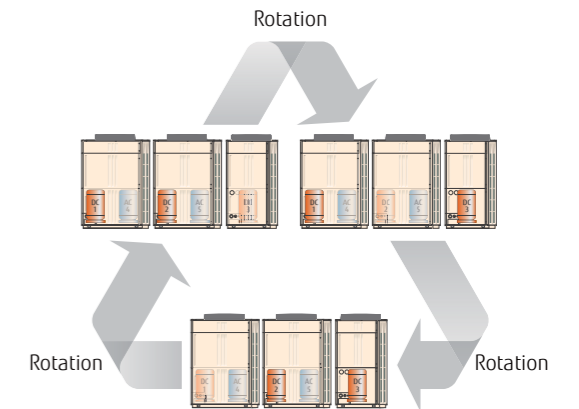
8 HP - 48 HP 34 Models

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



Enhancement of functions and basic performance to increase reliability

Longer life units are achieved by the control without putting a load on one unit through rotation operation and refrigerant distribution control.



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

Link up with a variety of BMS

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



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



Heat Pump Modular type for heating or cooling operation

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

AIRSTAGE V-II

8 HP - 48 HP 33 Models

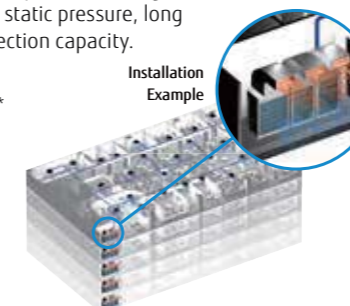
- Space saving combination: 8 HP to 48 HP/21 models
- Energy efficiency combination: 16 HP to 44 HP/12 models

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.

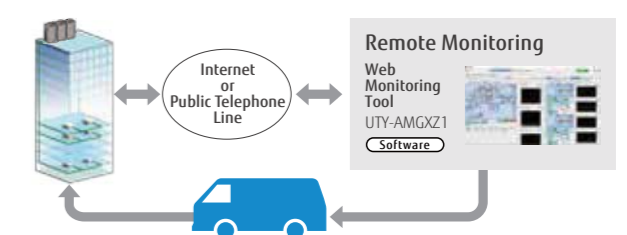


*: For V-III series, VR-II series & V-II series are 80 Pa



Rapid service support

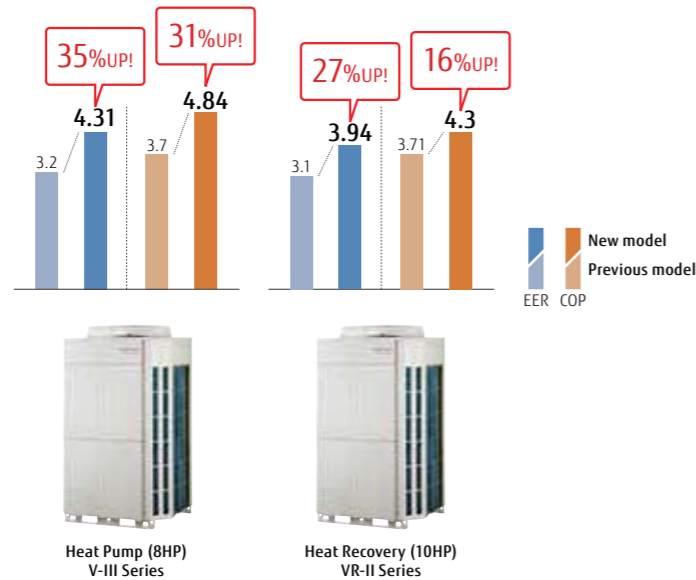
The air conditioning of the entire building can be monitored remotely with Web Monitoring Tool and System Controller. Rapid response for emergency is possible by a self-diagnosis in advance in cooperation with a management company.



CORE TECHNOLOGY

High Energy Efficiency

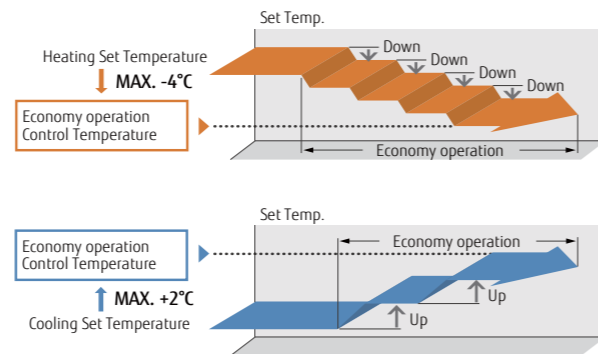
Efficiency is improved significantly by using DC twin rotary compressor, inverter technology, and large heat exchanger



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.

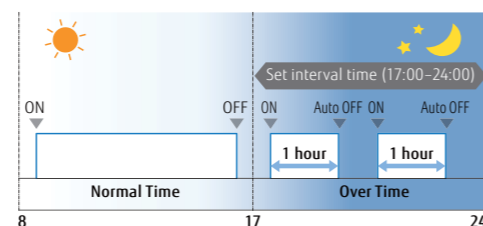


Room temperature set point limitation

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 to 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.

More Comfort

Precision refrigerant flow control

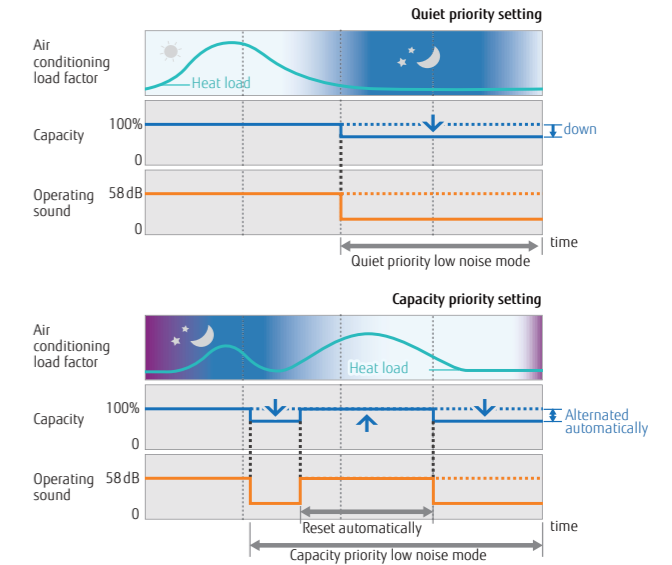
Precise and smooth refrigerant flow control is achieved by using a DC Inverter control in conjunction with individual indoor unit electronic expansion valve control. This allows high precision comfortable temperature control of $\pm 0.5^{\circ}\text{C}$.

Auto changeover function

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

Quiet operation

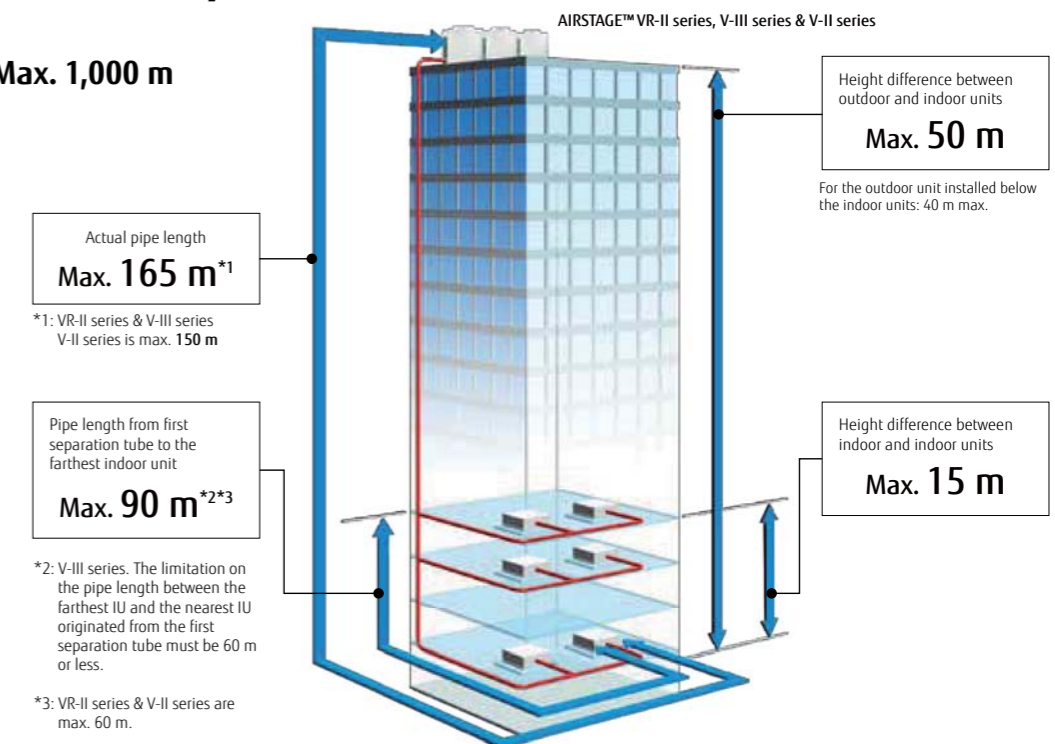
Two low noise modes can be selected automatically by quiet priority setting and capacity priority setting depending on the indoor environment and outside temperature load. This feature can be controlled via outdoor unit external input and/or system controller.



Design Flexibility

Overall piping length Max. 1,000 m

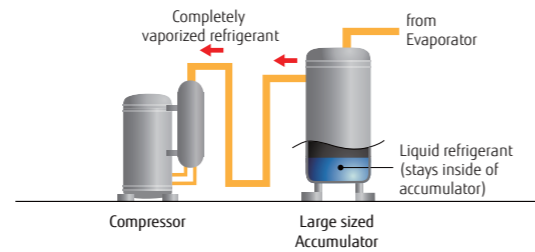
World's top class overall piping length of 1,000 m allows for application in a wide variety of buildings.



High Reliability

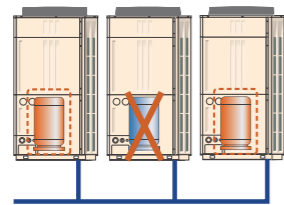
Liquid flow back protection

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.



Backup operation*1

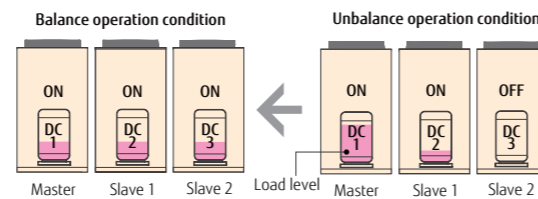
If one compressor fails, backup operation will be performed by the remaining compressors.*2



*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.



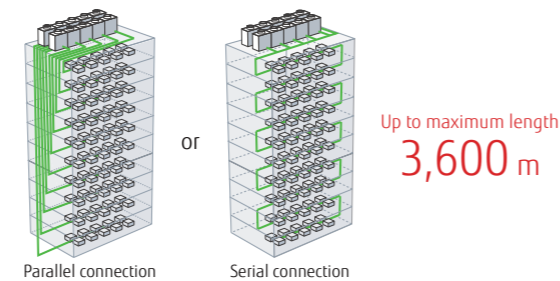
*2: Note: Backup operation may not be possible depending on the trouble state.

Easy Installation

Simple wiring work

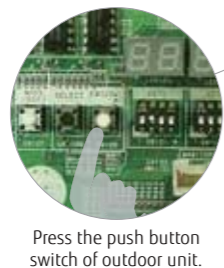
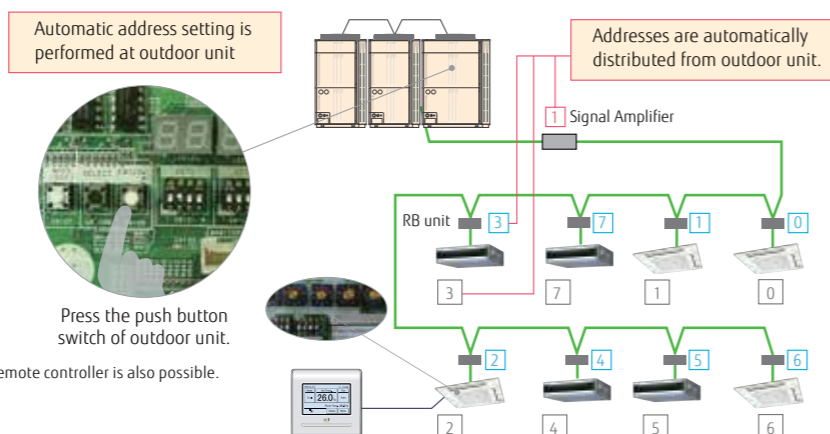
Installation of the wiring systems is made easier as the communication wiring can be installed continuously between the indoor, outdoor and RB units.

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.



Press the push button switch of outdoor unit.

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

Easy Service & Maintenance

Design for easy maintenance

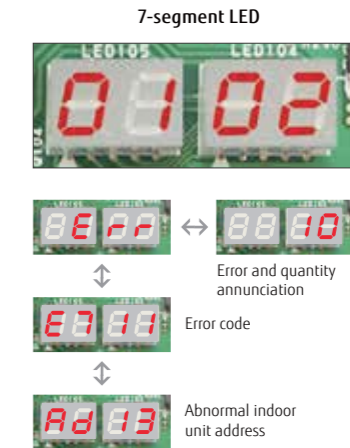
Easy to read 7-segment LED :

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

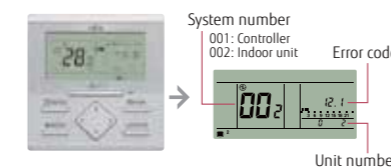


- Error status can be checked easily by outdoor unit display

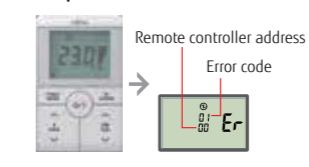
Error status can be checked easily via the indoor unit wired controller

An error code is displayed on a liquid crystal screen.

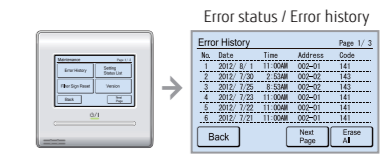
Wired Remote Controller



Simple Remote Controller



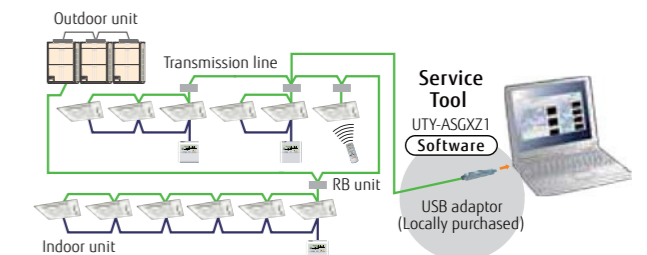
Wired Remote Controller (Touch panel)



Error diagnosis by Service Tool

Connection to Service Tool

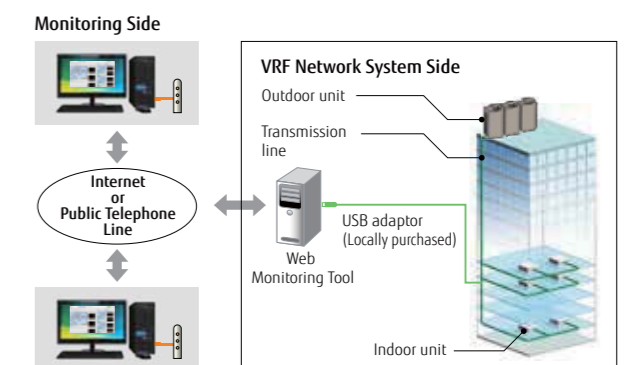
- Detail operation status and recent error history can be checked and analyzed by using the Service Tool.
- Last 5 min. operation memory can be also be recorded.



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.



LARGE VRF

For Commercial

AIRSTAGE™



LARGE VRF

- 104 PRODUCT LINEUP LARGE VRF Outdoor Units
- 106 AIRSTAGE™ VR-II
- 114 AIRSTAGE™ V-III
- 120 AIRSTAGE™ V-III Tropical
- 126 AIRSTAGE™ V-II
- 132 PRODUCT LINEUP LARGE VRF Indoor Units
- 134 Indoor Units for LARGE VRF Specifications

LARGE VRF Outdoor Units



Capacity (kW)	22.4	28.0	33.5	40.0	45.0	50.4	55.9	61.5	67.0	73.5	78.5	85.0	90.0	95.0	100.5	107.0	112.0	118.5	123.5	130.0	135.0	140.0	145.0	150.0	
HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	
VR-II Series Heat Recovery	Space Saving Page 106~																								
	Set Model	AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY162GALH	AJY180GALH	AJY198GALH	AJY216GALH	AJY234GALH	AJY252GALH	AJY270GALH	AJY288GALH	AJY306GALH	AJY324GALH	AJY342GALH	AJY360GALH	AJY378GALH	AJY396GALH	AJY414GALH	AJY432GALH			
	Energy Efficiency Page 106~																								
	Set Model				AJY144GALHH			AJY198GALHH	AJY216GALHH	AJY234GALHH	AJY252GALHH	AJY270GALHH	AJY288GALHH	AJY306GALHH	AJY324GALHH	AJY342GALHH	AJY360GALHH	AJY378GALHH	AJY396GALHH						
V-III Series Heat Pump	Space Saving Page 114~																								
	Set Model	AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH	AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH
	Energy Efficiency Page 114~																								
	Set Model				AJY144LALBHH	AJY162LALBHH	AJY180LALBHH		AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH	AJY288LALBHH	AJY306LALBHH	AJY324LALBHH	AJY342LALBHH	AJY360LALBHH	AJY378LALBHH	AJY396LALBHH	AJY414LALBHH					
V-III Tropical Series Heat Pump	Space Saving Page 120~																								
	Set Model	AJY072LNLBH	AJY090LNLBH	AJY108LNLBH	AJY126LNLBH	AJY144LNLBH	AJY162LNLBH	AJY180LNLBH	AJY198LNLBH	AJY216LNLBH	AJY234LNLBH	AJY252LNLBH	AJY270LNLBH	AJY288LNLBH	AJY306LNLBH	AJY324LNLBH	AJY342LNLBH	AJY360LNLBH	AJY378LNLBH	AJY396LNLBH	AJY414LNLBH	AJY432LNLBH	AJY450LNLBH	AJY468LNLBH	AJY486LNLBH
	Energy Efficiency Page 120~																								
	Set Model				AJY144LNLBHH	AJY162LNLBHH	AJY180LNLBHH		AJY216LNLBHH	AJY234LNLBHH	AJY252LNLBHH	AJY270LNLBHH	AJY288LNLBHH	AJY306LNLBHH	AJY324LNLBHH	AJY342LNLBHH	AJY360LNLBHH	AJY378LNLBHH	AJY396LNLBHH	AJY414LNLBHH					
V-II Series Heat Pump	Space Saving Page 126~																								
	Set Model	AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY162LALH	AJY180LALH	AJY198LALH	AJY216LALH	AJY234LALH	AJY252LALH	AJY270LALH	AJY288LALH	AJY306LALH	AJY324LALH	AJY342LALH	AJY360LALH	AJY378LALH	AJY396LALH	AJY414LALH	AJY432LALH			
	Energy Efficiency Page 126~																								
	Set Model				AJY144LALHH			AJY198LALHH	AJY216LALHH	AJY234LALHH	AJY252LALHH	AJY270LALHH	AJY288LALHH	AJY306LALHH	AJY324LALHH		AJY360LALHH	AJY378LALHH	AJY396LALHH						



Heat Recovery Modular Type



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



System Outline

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

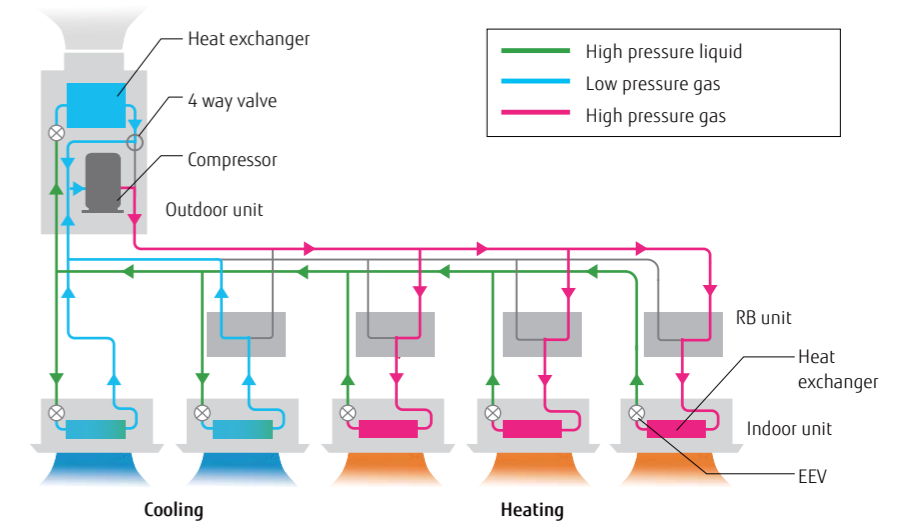
The operation mode can be freely changed when there are large temperature differences during the day, such as between seasons.



Features

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.



Energy saving technology that boosted operation efficiency

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

3 phase DC fan motor

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

Sine-wave DC inverter control

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

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.

Subcool heat exchanger

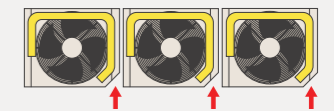
High Heat Exchange efficiency is achieved by using an internal projection shape double pipe construction.

Front intake port (corner cut air inhaling structure)

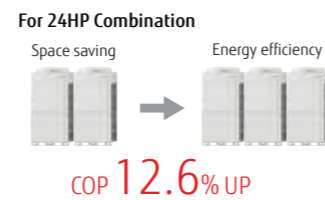
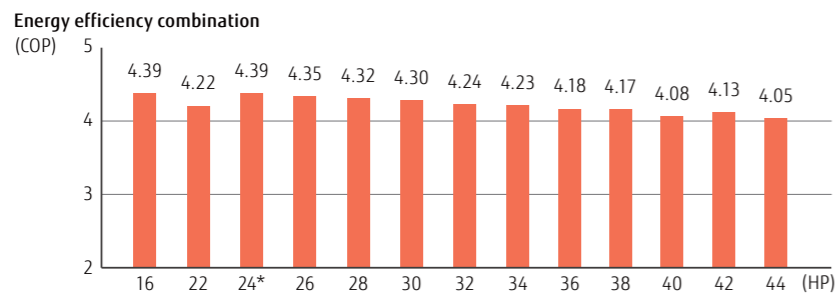
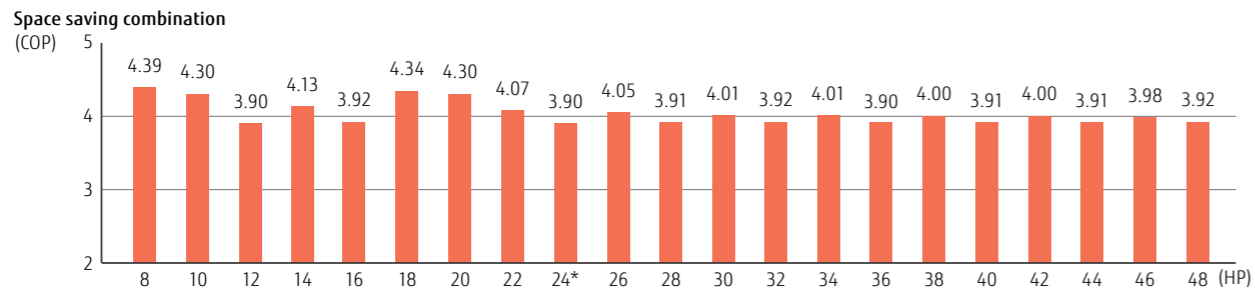
In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.

High efficient and large capacity DC inverter compressor

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



Features



All inverter compressor

Large capacity DC inverter compressor

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

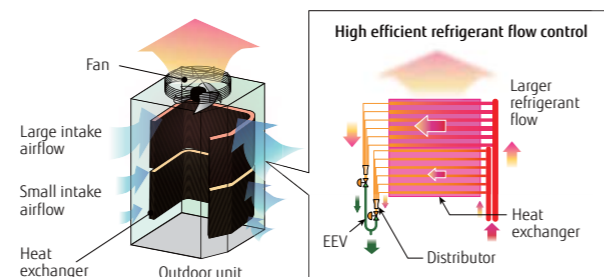
High efficient compressor speed control

Comfortable space with small room temperature changes and little energy loss is created by 0.1 Hz steps compressor speed control.



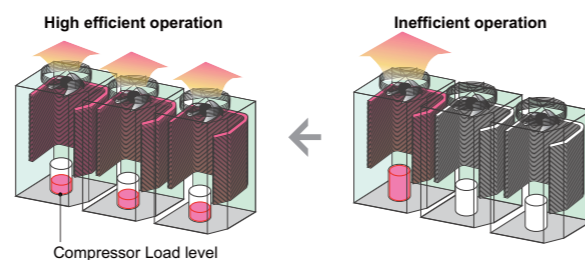
Ideal heat exchanger path control

Heat exchanger is split into top and bottom. Heat exchange efficiency is improved by optimum heat exchanger path refrigerant control. Refrigerant is more distributed at the top side heat exchanger with a large intake airflow.



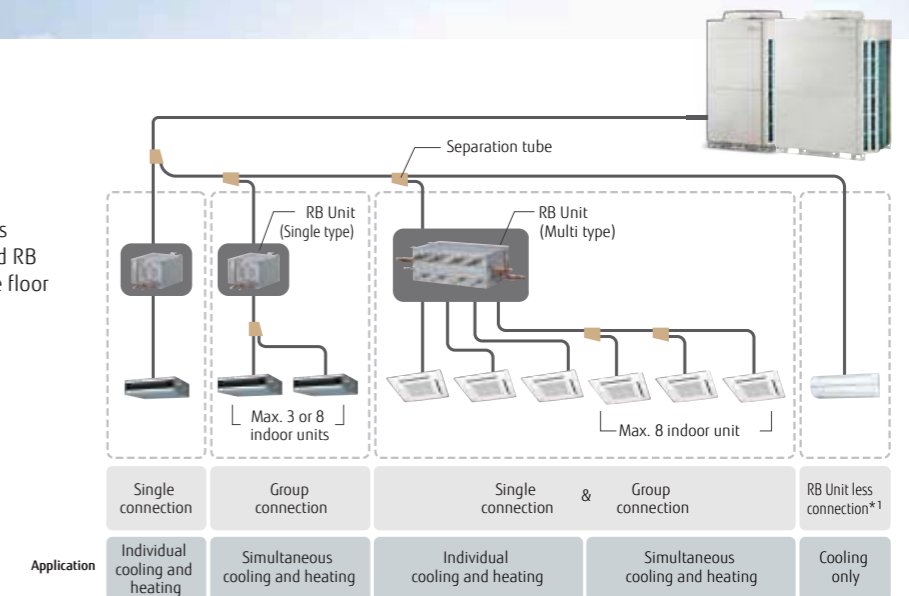
Sophisticated operation control

When multiple outdoor units are connected, sophisticated operation is performed by each compressor. Efficiency is improved by all compressors at part load and distributing refrigerant to all of the heat exchangers rather than to one compressor.



Flexible piping connection

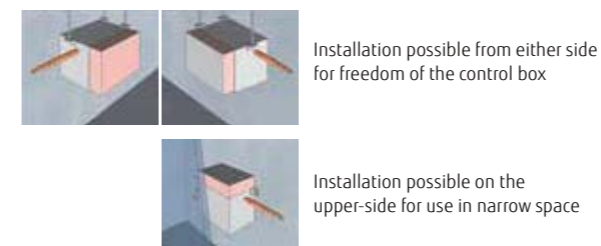
A more flexible refrigerant piping work is possible by the use of various piping and RB Unit connections, for adjustments to the floor layout and building structure.



* The RB unit can be freely positioned between the first branch and the indoor unit.
* The maximum height difference between RB units is 15 m.
* 1: RB Unit is not necessary for cooling only use.

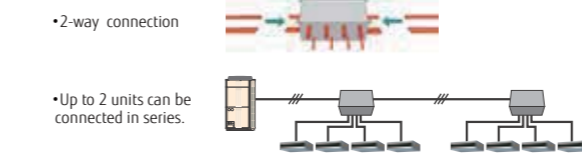
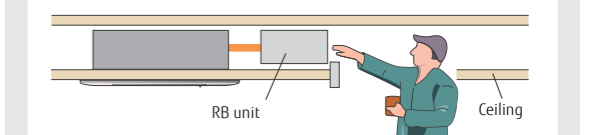
Flexible installation of RB unit

- Small & slim design saves space. Height 198 mm
- A drain pipe is not required
- The control box position can be changed to meet the installation conditions
- Small design saves space
- A drain pipe is not required
- Simple installation series connection design



Easy to maintenance in a narrow space

- Maintenance can be performed from the side.
- Electrics box can be temporarily fixed by sliding down.
- Parts can be replaced easily even at narrow space in the ceiling.



Outdoor units lineup

* Combinations other than the followings are not recommended.

Space saving combination				
22.4 kW (8HP) AJYA72GALH UNIT : AJYA72GALH	28.0 kW (10HP) AJYA90GALH UNIT : AJYA90GALH	33.5 kW (12HP) AJY108GALH UNIT : AJY108GALH	40.0 kW (14HP) AJY126GALH UNIT : AJY126GALH	45.0 kW (16HP) AJY144GALH UNIT : AJY144GALH
50.4 kW (18HP) AJY162GALH UNIT : AJYA90/A72GALH	56.0 kW (20HP) AJY180GALH UNIT : AJYA90/A90GALH	61.5 kW (22HP) AJY198GALH UNIT : AJY108/A90GALH	67.0 kW (24HP) AJY216GALH UNIT : AJY108/108GALH	73.0 kW (26HP) AJY234GALH UNIT : AJY144/A90GALH
78.5 kW (28HP) AJY252GALH UNIT : AJY144/108GALH	85.0 kW (30HP) AJY270GALH UNIT : AJY144/126GALH	90.0 kW (32HP) AJY288GALH UNIT : AJY144/144GALH	95.0 kW (34HP) AJY306GALH UNIT : AJY108/108/A90GALH	100.5 kW (36HP) AJY324GALH UNIT : AJY108/108/108GALH
106.5 kW (38HP) AJY342GALH UNIT : AJY144/108/A90GALH	112.0 kW (40HP) AJY360GALH UNIT : AJY144/108/108GALH	118.0 kW (42HP) AJY378GALH UNIT : AJY144/144/A90GALH	123.5 kW (44HP) AJY396GALH UNIT : AJY144/144/108GALH	130.0 kW (46HP) AJY414GALH UNIT : AJY144/144/126GALH
135.0 kW (48HP) AJY432GALH UNIT : AJY144/144/144GALH				

Energy efficiency combination				
44.8 kW (16HP) AJY144GALHH UNIT : AJYA72/A72GALH	62.4 kW (22HP) AJY198GALHH UNIT : AJY126/A72GALH	67.2 kW (24HP) AJY216GALHH UNIT : AJYA72/A72/A72GALH	72.8 kW (26HP) AJY234GALHH UNIT : AJYA90/A72/A72GALH	78.4 kW (28HP) AJY252GALHH UNIT : AJYA90/A90/A72GALH
84.0 kW (30HP) AJY270GALHH UNIT : AJYA90/A90/A90GALH	90.4 kW (32HP) AJY288GALHH UNIT : AJY126/A90/A72GALH	96.0 kW (34HP) AJY306GALHH UNIT : AJY126/A90/A90GALH	102.4 kW (36HP) AJY324GALHH UNIT : AJY126/126/A72GALH	108.0 kW (38HP) AJY342GALHH UNIT : AJY126/126/A90GALH
113.0 kW (40HP) AJY360GALHH UNIT : AJY144/126/A90GALH	120.0 kW (42HP) AJY378GALHH UNIT : AJY126/126/126GALH	125.0 kW (44HP) AJY396GALHH UNIT : AJY144/126/126GALH		

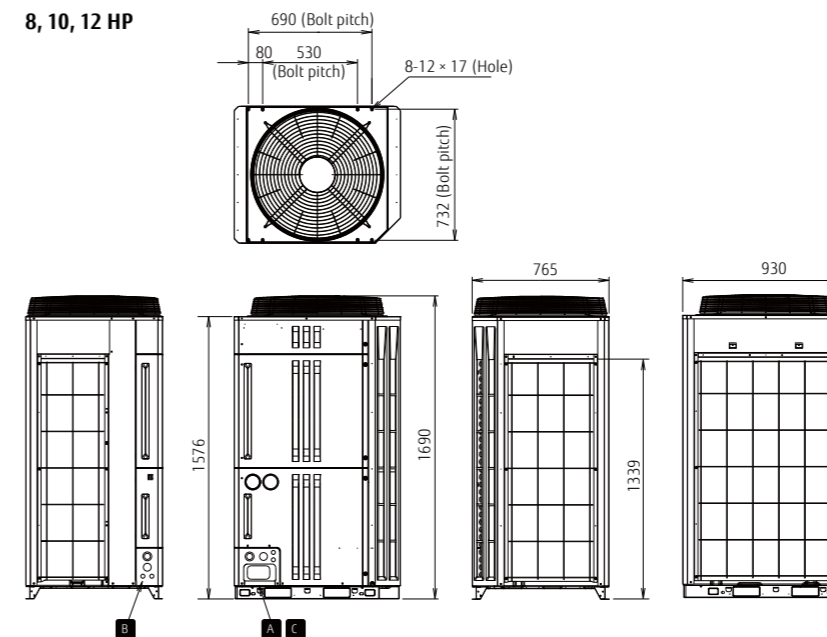
8,10,12HP : AJYA72GALH / AJYA90GALH / AJY108GALH
14,16HP : AJY126GALH / AJY144GALH



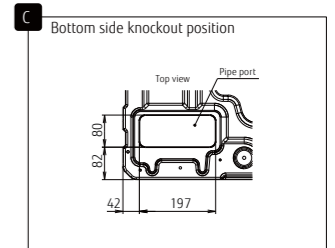
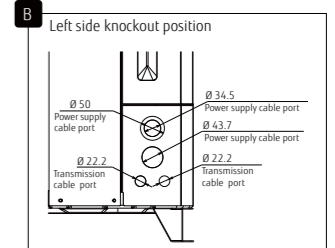
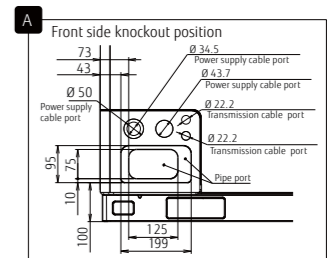
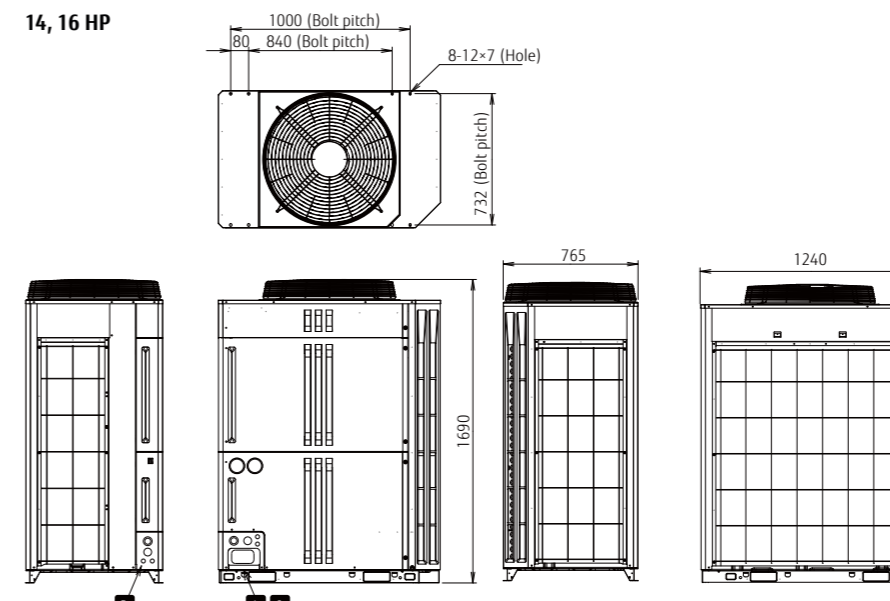
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16 HP



Outdoor units specifications

Space Saving Combination

Rating Capacity range	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
Set Model name		AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJY162GALH	AJY180GALH	AJY198GALH	AJY216GALH	AJY234GALH	AJY252GALH	AJY270GALH	AJY288GALH	AJY306GALH	AJY324GALH	AJY342GALH	AJY360GALH	AJY378GALH	AJY396GALH	AJY414GALH	AJY432GALH	
Unit 1		AJYA72GALH	AJYA90GALH	AJY108GALH	AJY126GALH	AJY144GALH	AJYA90GALH	AJYA90GALH	AJY108GALH	AJY108GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY108GALH	AJY108GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH	AJY144GALH
Unit 2																							
Unit 3																							
Maximum Connectable Indoor Unit*1		15	16	17	21	24	27	30	32	35	39	42	45	48	50	53	57	60	63	64	64	64	
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	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	
Power source	3-phase 4 wire, 400 V, 50Hz											3-phase 4 wire, 400 V, 50Hz											
Capacity	Cooling	22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.0	73.0	78.5	85.0	90.0	95.0	100.5	106.5	112.0	118.0	123.5	130.0	135.0	
	Heating	25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0	81.5	87.5	95.0	100.0	106.5	112.5	119.0	125.0	131.5	137.5	145.0	150.0	
Input power	Cooling	5.45	7.11	9.75	11.34	13.61	12.56	14.22	16.86	19.50	20.72	23.36	24.95	27.22	26.61	29.25	30.47	33.11	34.33	36.97	38.56	40.83	
	Heating	5.70	7.33	9.62	10.90	12.77	13.03	14.66	16.95	19.24	20.10	22.39	23.67	25.54	26.57	28.86	29.72	32.01	32.87	35.16	36.44	38.31	
EER	Cooling	4.11	3.94	3.44	3.53	3.31	4.01	3.94	3.65	3.44	3.52	3.36	3.41	3.31	3.57	3.44	3.50	3.38	3.44	3.34	3.37	3.31	
COP	Heating	4.39	4.30	3.90	4.13	3.92	4.34	4.30	4.07	3.90	4.05	3.91	4.01	3.92	4.01	3.90	4.00	3.91	4.00	3.91	3.98	3.92	
Air flow late		11,100	11,100	11,100	13,000	13,000	11,100x2	11,100x2	11,100x2	11,100x2	13,000+11,100	13,000+11,100	13,000x2	13,000x2	11,100x3	11,100x3	13,000+11,100x2	13,000+11,100x2	13,000+11,100	13,000+11,100	13,000x3	13,000x3	
Sound pressure level**/Power level	Cooling	56 / 77	58 / 79	59 / 80	60 / 81	61 / 82	60 / 81	61 / 82	62 / 83	62 / 83	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	
	Heating	58 / 80	59 / 81	61 / 83	61 / 83	61 / 83	62 / 84	62 / 84	63 / 85	64 / 86	63 / 85	64 / 86	64 / 86	64 / 86	65 / 87.2	65 / 87	66 / 87.7	66 / 87.7	66 / 87	66 / 88	66 / 88	66 / 88	
Maximum external static pressure		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
Compressor motor output		7.5	7.5	7.5	11.0	11.0	7.5x2	7.5x2	7.5x2	7.5x2	11.0+7.5	11.0+7.5	11.0x2	11.0x2	7.5x3	7.5x3	11.0+7.5x2	11.0+7.5x2	11.0x3	11.0x3	11.0x3	11.0x3	
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions	Height	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
	Width	930	930	930	1,240	1,240	930x2	930x2	930x2	930x2	1,240+930	1,240+930	1,240x2	1,240x2	930x3	930x3	1,240+930x2	1,240+930x2	1,240x3	1,240x3	1,240x3	1,240x3	
	Depth	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight		262	262	262	286	286	262x2	262x2	262x2	262x2	286+262	286+262	286x2	286x2	286x3	286x3	286+262x2	286+262x2	286x3	286x3	286x3	286x3	
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge (kg(CO2eq-T))	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)
Connection pipe diameter	Liquid	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Discharge Gas	15.88	19.05	19.05	22.22	22.22	22.22	22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	
	Suction Gas	22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range	Cooling	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	
	Heating	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	
	Cooling/Heating	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	-10 to 21	

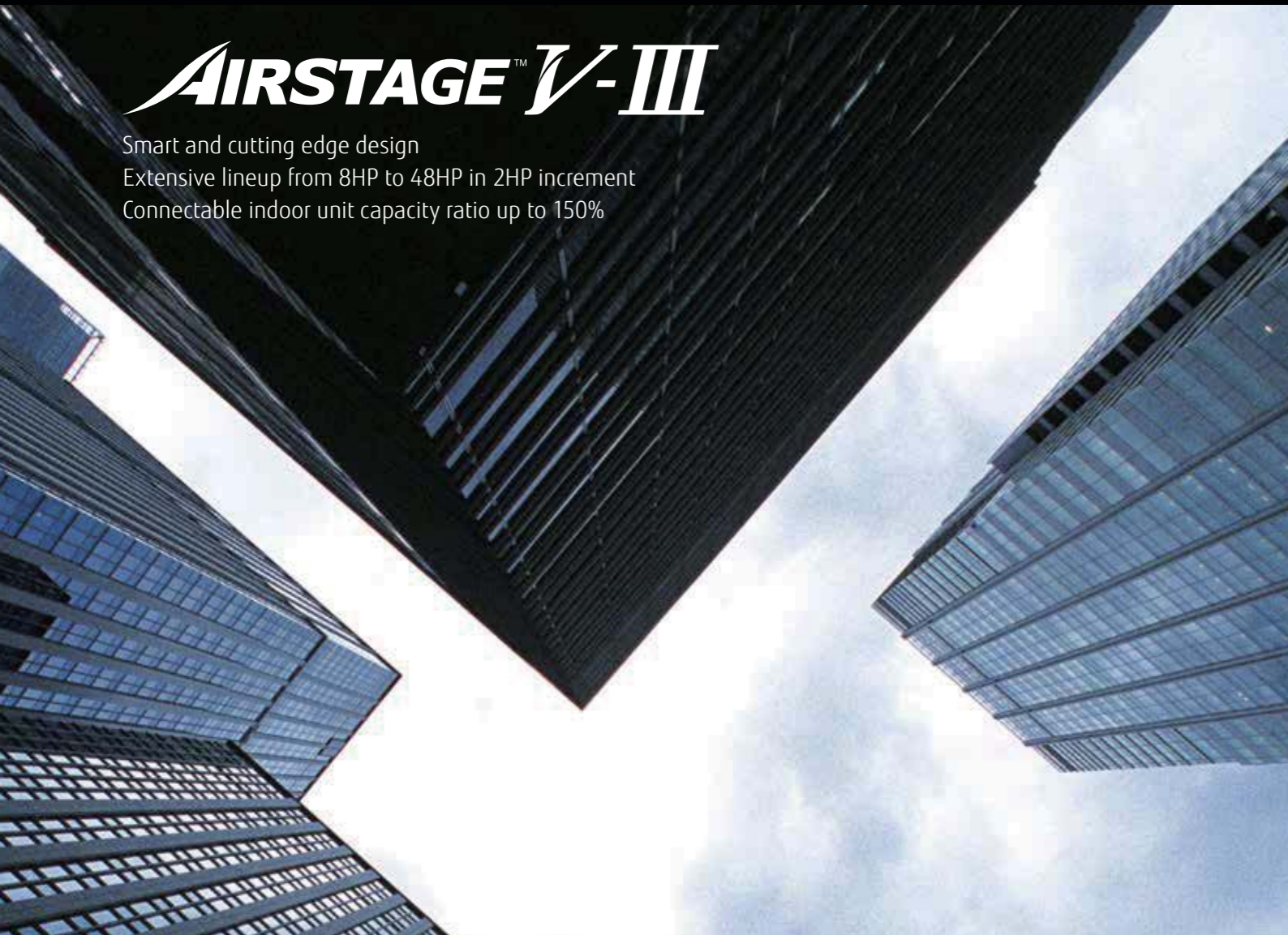
Energy Efficiency Combination

Rating Capacity range	HP	16	22	24	26	28	30	32	34	36	38	40	42	44	
Set Model name		AJY144GALHH	AJY198GALHH	AJY216GALHH	AJY234GALHH	AJY252GALHH	AJY270GALHH	AJY288GALHH	AJY306GALHH	AJY324GALHH	AJY342GALHH	AJY360GALHH	AJY378GALHH	AJY396GALHH	
Unit 1		AJYA72GALH	AJY126GALH	AJYA72GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJY126GALH	AJY126GALH	AJY126GALH	AJY126GALH	AJY144GALH	AJY126GALH	AJY144GALH	
Unit 2		AJYA72GALH	AJYA72GALH	AJYA72GALH	AJYA72GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJYA90GALH	AJY126GALH	AJY126GALH	
Unit 3															
Maximum Connectable Indoor Unit*1		24	33	36	39	42	45	48	51	54	57	60	64		
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	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	
Power source	3-phase 4 wire, 400 V, 50Hz							3-phase 4 wire, 400 V, 50Hz							
Capacity	Cooling	44.8	62.4	67.2	72.8	78.4	84.0	90.4	96.0	102.4	108.0	113.0	120.0	125.0	
	Heating	50.0	70.0	75.0	81.5	88.0	94.5	101.5	108.0	115.0	121.5	126.5	135.0	140.0	
Input power	Cooling	10.90	16.79	16.35	18.01	19.67	21.33	23.90	25.56	28.13	29.79	32.06	34.02	36.29	
	Heating	11.40	16.60	17.10	18.73	20.36	21.99	23.93	25.56	27.50	29.13	31.00	32.70	34.57	
EER	Cooling	4.11	3.72	4.11	4.04	3.99	3.94	3.78	3.76	3.64	3.63	3.52	3.53	3.44	
COP	Heating	4.39	4.22	4.39	4.35	4.32	4.30	4.24	4.23	4.18	4.17	4.08	4.13	4.05	
Air flow late		11,100x2	13,000+11,100	11,100x3	11,100x3	11,100x3	11,100x3	13,000+11,100x2	13,000+11,100x2	13,000x2+11,100	13,000x2+11,100	13,000x2+11,100	13,000x3	13,000x3	
Sound pressure level**/Power level	Cooling	59 / 80	61 / 82	61 / 82	62 / 83	62 / 83	63 / 84	63 / 84	64 / 85	64 / 85	64 / 86	65 / 86	65 / 86	65 / 86	
	Heating	61 / 83	63 / 85	63 / 85	63 / 85	63 / 85	64 / 86	64 / 86	65 / 87	65 / 87	66 / 87	66 / 87	66 / 88	66 / 88	
Maximum external static pressure		80	80	80	80	80	80	80	80	80	80	80	80		
Compressor motor output		7.5x2	11.0+7.5	7.5x3	7.5x3	7.5x3	7.5x3	11.0+7.5x2	11.0+7.5x2	11.0x2+7.5	11.0x2+7.5	11.0x2+7.5	11.0x3		
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin		
Net Dimensions	Height	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690		
	Width	930x2	1,240+930	930x3	930x3	930x3	930x3	1,240+930x2	1,240+930x2	1,240x2+930	1,240x2+930	1,240x2+930	1,240x3		
	Depth	765	765	765	765	765	765	765	765	765	765	765	765		
Weight		262x2	286+262	262x3	262x3	262x3	262x3	286+262x2	286+262x2	286x2+262	286x2+262	286x2+262			

Heat Pump Modular Type



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



System Outline

Excellent energy saving

Heat pump inverter type realizes 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 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

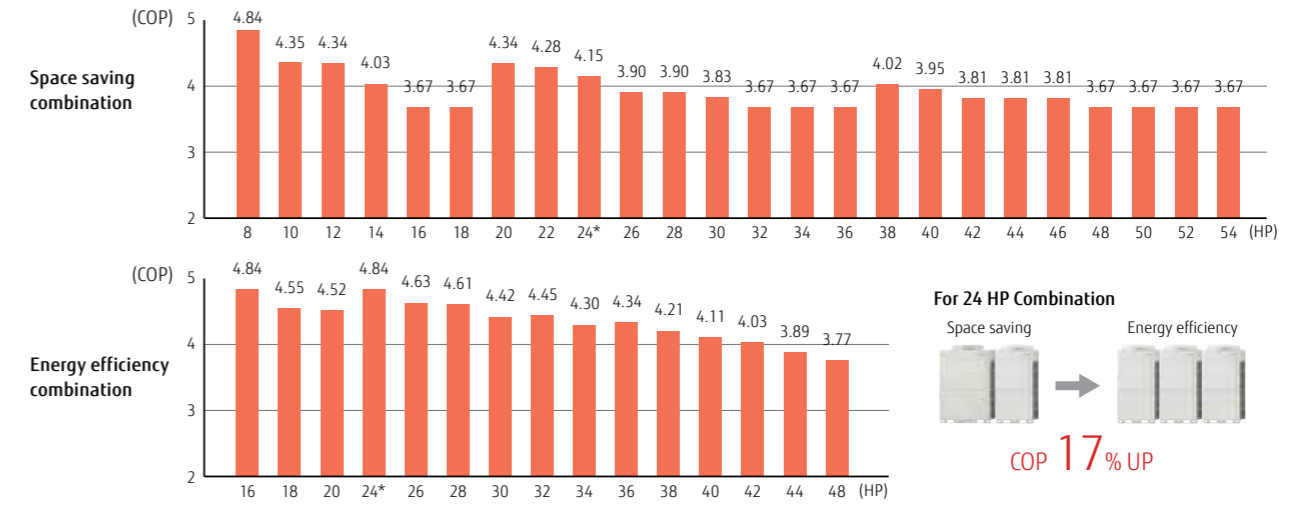
The flexible communication method and piping connections make installation and maintenance easy even for large systems.



Features

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.



Energy saving technology that boosted operation efficiency

- 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
- 3 phase DC fan motor**
Efficiency is substantially improved by high efficient motor with sophisticated driver control. In addition, low noise is realized by DC fan motor.
- Sine-wave DC inverter control**
High efficiency is realized by adoption of reduced switching loss IPM.
- 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.
- Subcool heat exchanger**
High Heat Exchange efficiency is achieved by using an internal projection shape double pipe construction.
- High efficient and large capacity DC inverter compressor**
Large capacity high efficient DC twin rotary compressor with excellent intermediate capability.
- Front intake port (corner cut air inhaling structure)**
In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.

Outdoor units lineup

* Combinations other than the followings are not recommended.

Space saving combination				
22.4 kW (8HP) AJY072LALBH UNIT : AJY072LALBH	28.0 kW (10HP) AJY090LALBH UNIT : AJY090LALBH	33.5 kW (12HP) AJY108LALBH UNIT : AJY108LALBH	40.0 kW (14HP) AJY126LALBH UNIT : AJY126LALBH	45.0 kW (16HP) AJY144LALBH UNIT : AJY144LALBH
50.0 kW (18HP) AJY162LALBH UNIT : AJY162LALBH	56.0 kW (20HP) AJY180LALBH UNIT : AJY090/090LALBH	62.4 kW (22HP) AJY198LALBH UNIT : AJY126/072LALBH	68.0 kW (24HP) AJY216LALBH UNIT : AJY126/090LALBH	73.0 kW (26HP) AJY234LALBH UNIT : AJY144/090LALBH
78.0 kW (28HP) AJY252LALBH UNIT : AJY162/090LALBH	85.0 kW (30HP) AJY270LALBH UNIT : AJY144/126LALBH	90.0 kW (32HP) AJY288LALBH UNIT : AJY144/144LALBH	95.0 kW (34HP) AJY306LALBH UNIT : AJY162/144LALBH	100.0 kW (36HP) AJY324LALBH UNIT : AJY162/162LALBH
106.0 kW (38HP) AJY342LALBH UNIT : AJY162/090/090LALBH	113.0 kW (40HP) AJY360LALBH UNIT : AJY144/126/090LALBH	118.0 kW (42HP) AJY378LALBH UNIT : AJY144/144/090LALBH	123.0 kW (44HP) AJY396LALBH UNIT : AJY162/144/090LALBH	128.0 kW (46HP) AJY414LALBH UNIT : AJY162/162/090LALBH
135.0 kW (48HP) AJY432LALBH UNIT : AJY144/144/144LALBH	140.0 kW (50HP) AJY450LALBH UNIT : AJY162/144/144LALBH	145.0 kW (52HP) AJY468LALBH UNIT : AJY162/162/144LALBH	150.0 kW (54HP) AJY486LALBH UNIT : AJY162/162/162LALBH	

Energy efficiency combination				
44.8 kW (16HP) AJY144LALBHH UNIT : AJY072/072LALBH	50.4 kW (18HP) AJY162LALBHH UNIT : AJY090/072LALBH	55.9 kW (20HP) AJY180LALBHH UNIT : AJY108/072LALBH	67.2 kW (24HP) AJY216LALBHH UNIT : AJY072/072/072LALBH	72.8 kW (26HP) AJY234LALBHH UNIT : AJY090/072/072LALBH
78.3 kW (28HP) AJY252LALBHH UNIT : AJY108/072/072LALBH	84.8 kW (30HP) AJY270LALBHH UNIT : AJY126/072/072LALBH	89.4 kW (32HP) AJY288LALBHH UNIT : AJY108/108/072LALBH	95.9 kW (34HP) AJY306LALBHH UNIT : AJY126/108/072LALBH	100.5 kW (36HP) AJY324LALBHH UNIT : AJY108/108/108LALBH
107.0 kW (38HP) AJY342LALBHH UNIT : AJY126/108/108LALBH	113.5 kW (40HP) AJY360LALBHH UNIT : AJY126/126/108LALBH	120.0 kW (42HP) AJY378LALBHH UNIT : AJY126/126/126LALBH	125.0 kW (44HP) AJY396LALBHH UNIT : AJY144/126/126LALBH	130.0 kW (46HP) AJY414LALBHH UNIT : AJY144/144/126LALBH

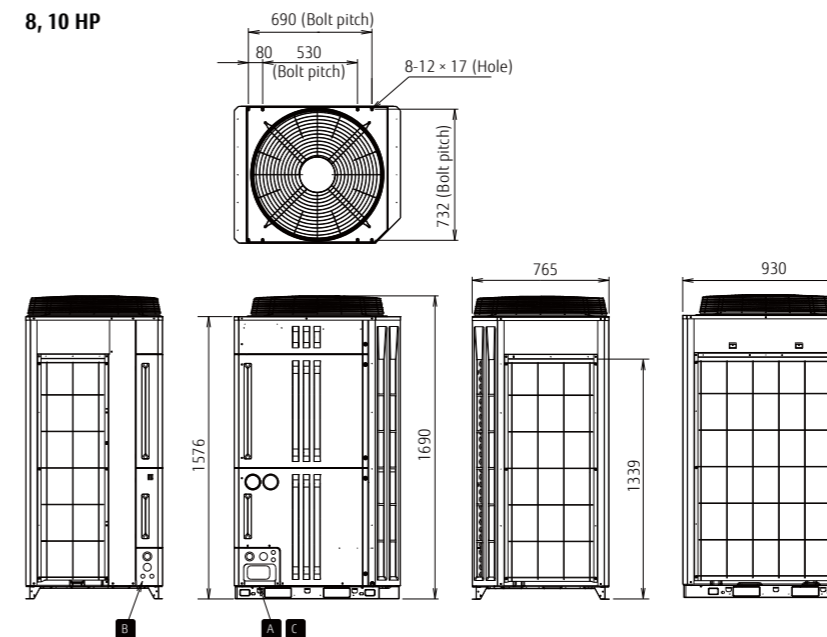
8,10HP : AJY072LALBH / AJY090LALBH
12,14,16,18HP : AJY108LALBH / AJY126LALBH / AJY144LALBH / AJY162LALBH



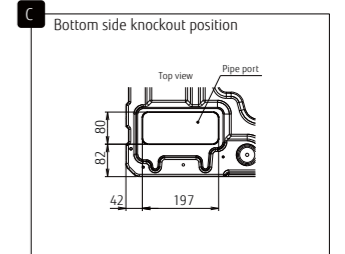
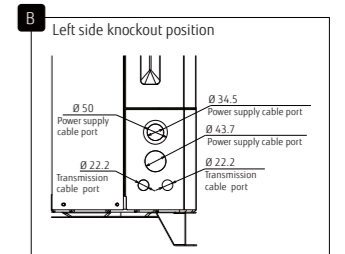
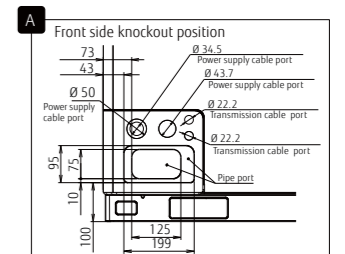
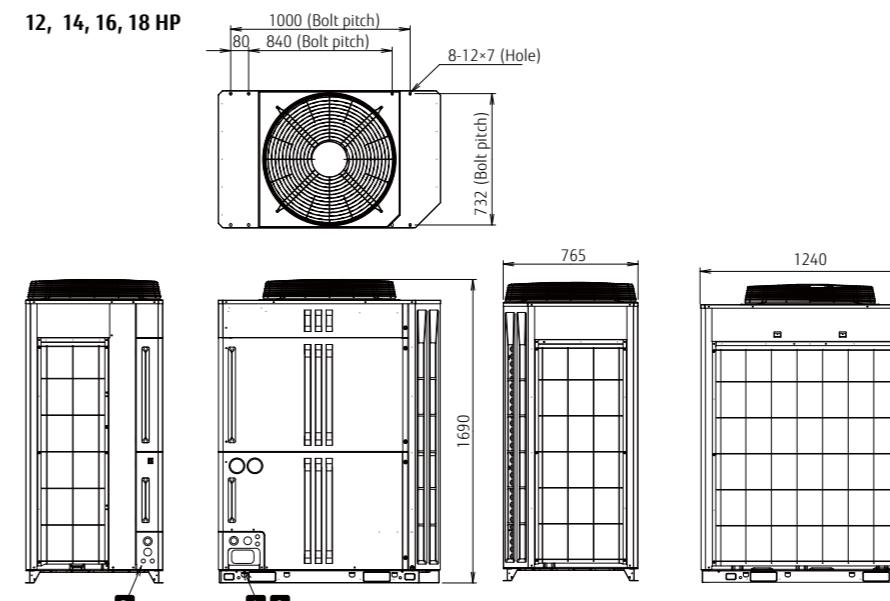
Dimensions

(Unit : mm)

8, 10 HP



12, 14, 16, 18 HP



Outdoor units specifications

Space Saving Combination

Rating Capacity range	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	
Set Model name		AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH	AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH	
Unit 1		AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY144LALBH	AJY162LALBH	AJY180LALBH	AJY198LALBH	AJY216LALBH	AJY234LALBH	AJY252LALBH	AJY270LALBH	AJY288LALBH	AJY306LALBH	AJY324LALBH	AJY342LALBH	AJY360LALBH	AJY378LALBH	AJY396LALBH	AJY414LALBH	AJY432LALBH	AJY450LALBH	AJY468LALBH	AJY486LALBH	
Unit 2																										
Unit 3																										
Maximum Connectable Indoor Unit*1		17	21	26	30	34	39	43	47	52	56	60	64	64	64	64	64	64	64	64	64	64	64	64	64	
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	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
Power source		3-phase 4 wire, 400 V, 50Hz												3-phase 4 wire, 400 V, 50Hz												
Capacity		Cooling	22.4	28.0	33.5	40.0	45.0	50.0	56.0	62.4	68.0	73.0	78.0	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
		Heating	25.0	31.5	37.5	45.0	50.0	63.0	70.0	76.5	81.5	81.5	95.0	100.0	100.0	100.0	100.0	113.0	126.5	131.5	131.5	131.5	150.0	150.0	150.0	150.0
Input power		Cooling	5.20	7.28	8.96	10.96	13.01	16.56	14.56	16.16	18.24	20.29	23.84	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
		Heating	5.17	7.25	8.65	11.17	13.63	16.34	14.50	16.34	18.42	20.88	20.88	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
EER		Cooling	4.31	3.85	3.74	3.65	3.46	3.02	3.85	3.73	3.60	3.27	3.55	3.46	3.21	3.02	3.41	3.62	3.62	3.54	3.34	3.17	3.46	3.29	3.14	3.02
COP		Heating	4.84	4.35	4.34	4.03	3.67	3.67	4.34	4.28	4.15	3.90	3.83	3.67	3.67	3.67	4.02	3.95	3.81	3.81	3.81	3.81	3.67	3.67	3.67	3.67
Air flow late		High	11,100	11,100	13,000	13,000	13,700	11,100x2	13,000+11,100	13,000+11,100	13,000+11,100	13,700+11,100	13,700+13,000	13,700x2	13,700x2	13,700x2	13,700x2	13,700+11,100x2	13,700+13,000+11,100	13,700+11,100	13,700+11,100	13,700+11,100	13,700+11,100	13,700x3	13,700x3	13,700x3
Sound pressure level**/ Power level		Cooling	56 / 77	58 / 79	57 / 78	60 / 81	62 / 83	63 / 84	61 / 82	61 / 82	62 / 83	63 / 84	64 / 85	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
		Heating	58 / 80	59 / 81	60 / 83	62 / 84	64 / 86	64 / 86	62 / 84	63 / 85	64 / 86	65 / 87	65 / 87	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
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Compressor motor output		kW	7.5	7.5	11.0	11.0	11.0	7.5x2	11.0+7.5	11.0+7.5	11.0+7.5	11.0+7.5	11.0x2	11.0x2	11.0x2	11.0x2	11.0x2	11.0+7.5x2	11.0+7.5x2	11.0+7.5x2	11.0+7.5x2	11.0x3	11.0x3	11.0x3	11.0x3	
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions		Height	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
		Width	930	930	1,240	1,240	1,240	930x2	1,240+930	1,240+930	1,240+930	1,240+930	1,240x2	1,240x2	1,240x2	1,240x2	1,240x2	1,240+930x2	1,240+930x2	1,240+930x2	1,240+930x2	1,240+930x2	1,240x3	1,240x3	1,240x3	
		Depth	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight		kg	252	252	275	275	275	252x2	275+252	275+252	275+252	275+252	275x2	275x2	275x2	275x2	275+252x2	275+252x2	275+252x2	275+252x2	275+252x2	275x3	275x3	275x3	275x3	
Refrigerant		Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)		
		Charge	kg(CO2eq-T)	11.7 (24.4)	11.7 (24.4)	11.8 (24.6)	11.8 (24.6)	11.7x2 (24.4x2)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8x2 (24.6x2)	11.8x2 (24.6x2)	11.8x2 (24.6x2)	11.8x2 (24.6x2)	11.8+11.7x2 (24.6+24.4x2)	11.8+11.7x2 (24.6+24.4x2)	11.8+11.7x2 (24.6+24.4x2)	11.8+11.7x2 (24.6+24.4x2)	11.8+11.7x2 (24.6+24.4x2)	11.8x3 (24.6x3)	11.8x3 (24.6x3)	11.8x3 (24.6x3)	11.8x3 (24.6x3)	
Connection pipe diameter		Liquid	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
		Gas	22.22	22.22	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range		Cooling	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46		
		Heating	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21		

Energy Efficiency Combination

Rating Capacity range	HP	16	18	20	24	26	28	30	32	34	36	38	40	42	44	46	
Set Model name		AJY144LALBHH	AJY162LALBHH	AJY180LALBHH	AJY216LALBHH	AJY234LALBHH	AJY252LALBHH	AJY270LALBHH	AJY288LALBHH	AJY306LALBHH	AJY324LALBHH	AJY342LALBHH	AJY360LALBHH	AJY378LALBHH	AJY396LALBHH	AJY414LALBHH	
Unit 1		AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY072LALBH	AJY090LALBH	AJY108LALBH	AJY126LALBH	AJY108LALBH	AJY126LALBH	AJY108LALBH	AJY126LALBH	AJY126LALBH	AJY126LALBH	AJY144LALBH	AJY144LALBH	
Unit 2		AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY072LALBH	AJY126LALBH	AJY126LALBH	
Unit 3														AJY126LALBH	AJY126LALBH		
Maximum Connectable Indoor Unit*1		34	39	43	52	56	60	64	64	64	64	64	64	64	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	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
Power source		3-phase 4 wire, 400 V, 50Hz								3-phase 4 wire, 400 V, 50Hz							
Capacity		Cooling	44.8	50.4	55.9	67.2	72.8	78.3	84.8	89.4	95.9	100.5	107.0	113.5	120.0	125.0	130.0
		Heating	50.0	56.5	62.5	75.0	81.5	87.5	95.0	100.0	107.5	112.5	120.0	127.5	135.0	140.0	145.0
Input power		Cooling	10.40	12.48	14.16	15.60	17.68	19.36	21.36	23.12	25.12	26.88	28.88	30.88	32.88	34.93	36.98
		Heating	10.34	12.42	13.82	15.51	17.59	18.99	21.51	22.47	24.99	25.95	28.47	30.99	33.51	35.97	38.43
EER		Cooling	4.31	4.04	3.95	4.31	4.12	4.04	3.97	3.87	3.82	3.74	3.70	3.68	3.65	3.58	3.52
COP		Heating	4.84	4.55	4.52	4.84	4.63	4.61	4.42	4.45	4.30	4.34	4.21	4.11	4.03	3.89	3.77
Air flow late		High	11,100x2	11,100x2	13,000+11,100	11,100x3	11,000x3	13,000+11,100x2	13,000+11,100x2	13,000+11,100	13,000+11,100	13,000x3	13,000x3	13,000x3	13,000x3	13,700+13,000x2	13,700x2+13,000
Sound pressure level**/ Power level		Cooling	59 / 80	60 / 81	60 / 81	61 / 82	62 / 83	61 / 82	63 / 84	61 / 82	63 / 84	63 / 83	64 / 84	64 / 85	65 / 88	66 / 87	66 / 87
		Heating	61 / 83	62 / 84	62 / 85	63 / 85	63 / 85	64 / 86	65 / 87	64 / 87	65 / 88	65 / 88	65 / 88	66 / 88	67 / 89	68 / 90	68 / 90
Maximum external static pressure		Pa	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
Compressor motor output		kW	7.5x2	7.5x2	11.0+7.5	7.5x3	7.5x3	11.0+7.5x2	11.0+7.5x2	11.0x2+7.5	11.0x2+7.5	11.0x3	11.0x3	11.0x3	11.0x3	11.0x3	
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin												

Heat Pump Modular Type



Fujitsu General tropical VRF is designed for tropical weather.
 Extensive lineup from 8HP to 54HP* in 2HP increment
 Connectable indoor unit capacity ratio up to 130%



System Outline

High ambient operation design

Possible to operate cooling up to 52°C outdoor temperature

Powerful cooling capacity design

Keeping high cooling power at even high ambient temperature

Anti-corrosion treatment design

All metallic and PCB components are protected against corrosion



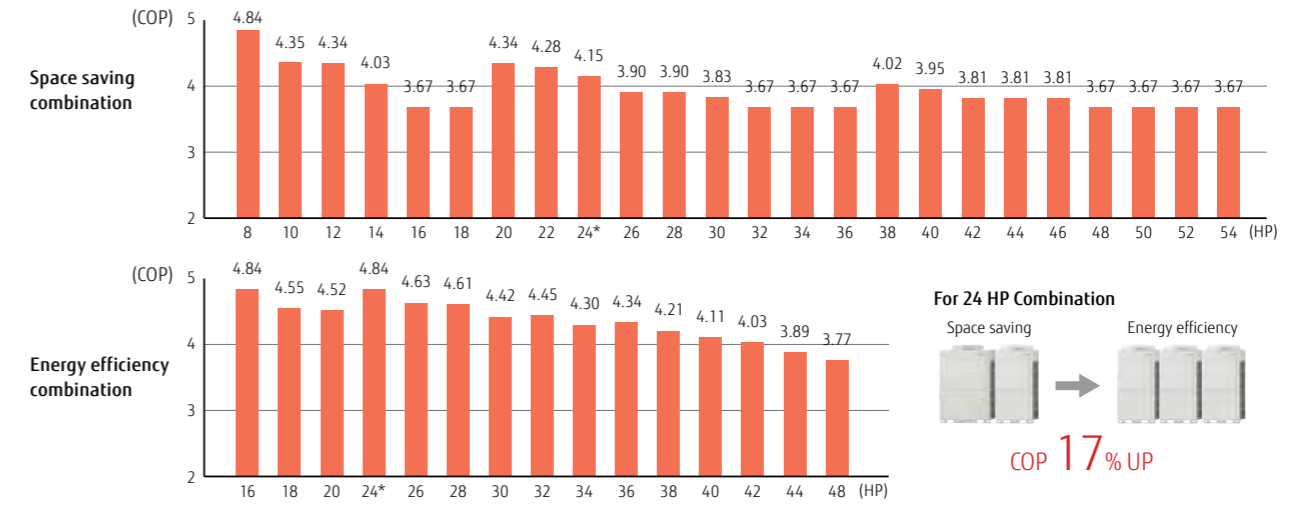
www.eurovent-certification.com
 www.certiflash.com



Features

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.



Energy saving technology that boosted operation efficiency

- 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
- 3 phase DC fan motor**
Efficiency is substantially improved by high efficient motor with sophisticated driver control. In addition, low noise is realized by DC fan motor.
- Sine-wave DC inverter control**
High efficiency is realized by adoption of reduced switching loss IPM.
- 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.
- Subcool heat exchanger**
High Heat Exchange efficiency is achieved by using an internal projection shape double pipe construction.
- High efficient and large capacity DC inverter compressor**
Large capacity high efficient DC twin rotary compressor with excellent intermediate capability.
- Front intake port (corner cut air inhaling structure)**
In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.

Outdoor units lineup

* Combinations other than the followings are not recommended.

Space saving combination				
22.4 kW (8HP) AJY072LNLBH UNIT : AJY072LNLBH	28.0 kW (10HP) AJY090LNLBH UNIT : AJY090LNLBH	33.5 kW (12HP) AJY108LNLBH UNIT : AJY108LNLBH	40.0 kW (14HP) AJY126LNLBH UNIT : AJY126LNLBH	45.0 kW (16HP) AJY144LNLBH UNIT : AJY144LNLBH
50.0 kW (18HP) AJY162LNLBH UNIT : AJY162LNLBH	56.0 kW (20HP) AJY180LNLBH UNIT : AJY090/090LNLBH	62.4 kW (22HP) AJY198LNLBH UNIT : AJY126/072LNLBH	68.0 kW (24HP) AJY216LNLBH UNIT : AJY126/090LNLBH	73.0 kW (26HP) AJY234LNLBH UNIT : AJY144/090LNLBH
78.0 kW (28HP) AJY252LNLBH UNIT : AJY162/090LNLBH	85.0 kW (30HP) AJY270LNLBH UNIT : AJY144/126LNLBH	90.0 kW (32HP) AJY288LNLBH UNIT : AJY144/144LNLBH	95.0 kW (34HP) AJY306LNLBH UNIT : AJY162/144LNLBH	100.0 kW (36HP) AJY324LNLBH UNIT : AJY162/162LNLBH
106.0 kW (38HP) AJY342LNLBH UNIT : AJY162/090/090LNLBH	113.0 kW (40HP) AJY360LNLBH UNIT : AJY144/126/090LNLBH	118.0 kW (42HP) AJY378LNLBH UNIT : AJY144/144/090LNLBH	123.0 kW (44HP) AJY396LNLBH UNIT : AJY162/144/090LNLBH	128.0 kW (46HP) AJY414LNLBH UNIT : AJY162/162/090LNLBH
135.0 kW (48HP) AJY432LNLBH UNIT : AJY144/144/144LNLBH	140.0 kW (50HP) AJY450LNLBH UNIT : AJY162/144/144LNLBH	145.0 kW (52HP) AJY468LNLBH UNIT : AJY162/162/144LNLBH	150.0 kW (54HP) AJY486LNLBH UNIT : AJY162/162/162LNLBH	

Energy efficiency combination				
44.8 kW (16HP) AJY144LNLBHH UNIT : AJY072/072LNLBH	50.4 kW (18HP) AJY162LNLBHH UNIT : AJY090/072LNLBH	55.9 kW (20HP) AJY180LNLBHH UNIT : AJY108/072LNLBH	67.2 kW (24HP) AJY216LNLBHH UNIT : AJY072/072/072LNLBH	72.8 kW (26HP) AJY234LNLBHH UNIT : AJY090/072/072LNLBH
78.3 kW (28HP) AJY252LNLBHH UNIT : AJY108/072/072LNLBH	84.8 kW (30HP) AJY270LNLBHH UNIT : AJY126/072/072LNLBH	89.4 kW (32HP) AJY288LNLBHH UNIT : AJY108/108/072LNLBH	95.9 kW (34HP) AJY306LNLBHH UNIT : AJY126/108/072LNLBH	100.5 kW (36HP) AJY324LNLBHH UNIT : AJY108/108/108LNLBH
107.0 kW (38HP) AJY342LNLBHH UNIT : AJY126/108/108LNLBH	113.5 kW (40HP) AJY360LNLBHH UNIT : AJY126/126/108LNLBH	120.0 kW (42HP) AJY378LNLBHH UNIT : AJY126/126/126LNLBH	125.0 kW (44HP) AJY396LNLBHH UNIT : AJY144/126/126LNLBH	130.0 kW (46HP) AJY414LNLBHH UNIT : AJY144/144/126LNLBH

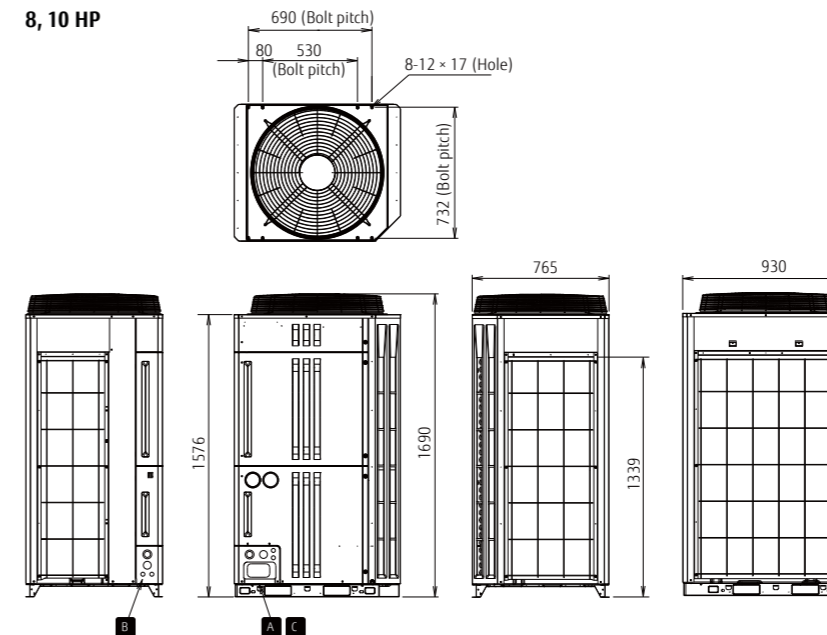
8,10HP : AJY072LNLBH / AJY090LNLBH
12,14,16,18HP : AJY108LNLBH / AJY126LNLBH / AJY144LNLBH / AJY162LNLBH



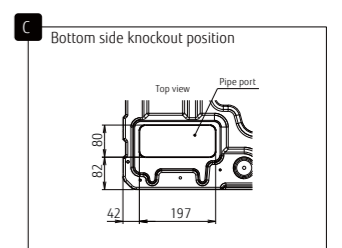
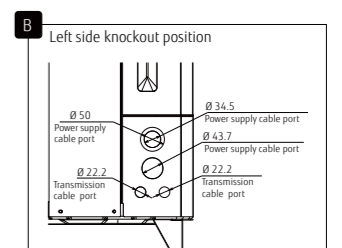
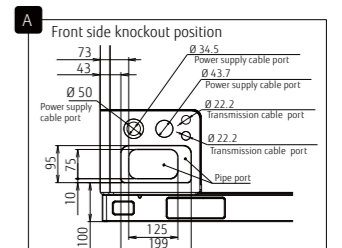
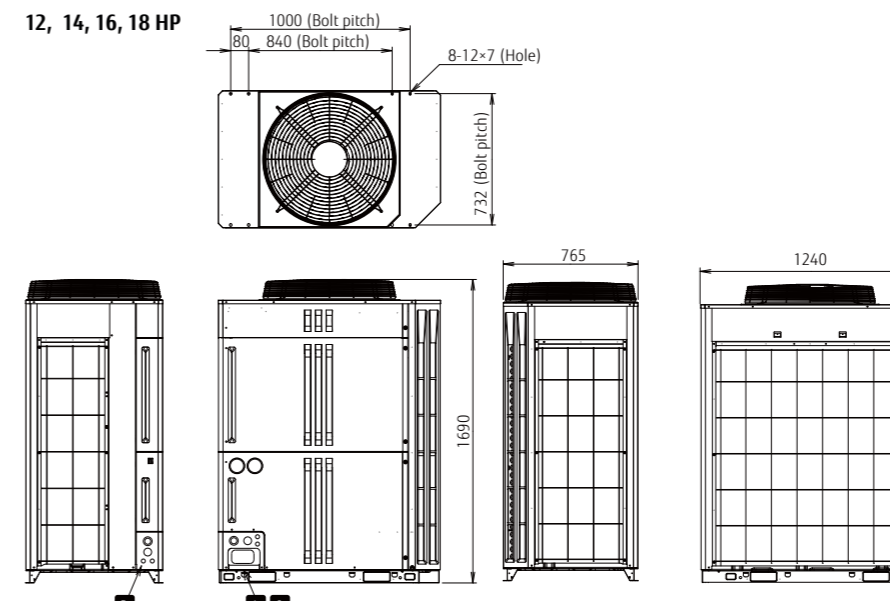
Dimensions

(Unit : mm)

8, 10 HP



12, 14, 16, 18 HP



For more information, please contact Fujitsu General Limited. (www.fujitsu-general.com)

Outdoor units specifications

Space Saving Combination

Rating Capacity range		HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54		
Set Model name			AJY072LNLBH	AJY090LNLBH	AJY108LNLBH	AJY126LNLBH	AJY144LNLBH	AJY162LNLBH	AJY180LNLBH	AJY198LNLBH	AJY216LNLBH	AJY234LNLBH	AJY252LNLBH		AJY270LNLBH	AJY288LNLBH	AJY306LNLBH	AJY324LNLBH	AJY342LNLBH	AJY360LNLBH	AJY378LNLBH	AJY396LNLBH	AJY414LNLBH	AJY432LNLBH	AJY450LNLBH	AJY468LNLBH	AJY486LNLBH	
Unit 1			AJY072LNLBH	AJY090LNLBH	AJY108LNLBH	AJY126LNLBH	AJY144LNLBH	AJY162LNLBH	AJY180LNLBH	AJY198LNLBH	AJY216LNLBH	AJY234LNLBH	AJY252LNLBH		AJY270LNLBH	AJY288LNLBH	AJY306LNLBH	AJY324LNLBH	AJY342LNLBH	AJY360LNLBH	AJY378LNLBH	AJY396LNLBH	AJY414LNLBH	AJY432LNLBH	AJY450LNLBH	AJY468LNLBH	AJY486LNLBH	
Unit 2			AJY072LNLBH	AJY090LNLBH	AJY108LNLBH	AJY126LNLBH	AJY144LNLBH	AJY162LNLBH	AJY180LNLBH	AJY198LNLBH	AJY216LNLBH	AJY234LNLBH	AJY252LNLBH		AJY270LNLBH	AJY288LNLBH	AJY306LNLBH	AJY324LNLBH	AJY342LNLBH	AJY360LNLBH	AJY378LNLBH	AJY396LNLBH	AJY414LNLBH	AJY432LNLBH	AJY450LNLBH	AJY468LNLBH	AJY486LNLBH	
Unit 3			AJY072LNLBH	AJY090LNLBH	AJY108LNLBH	AJY126LNLBH	AJY144LNLBH	AJY162LNLBH	AJY180LNLBH	AJY198LNLBH	AJY216LNLBH	AJY234LNLBH	AJY252LNLBH		AJY270LNLBH	AJY288LNLBH	AJY306LNLBH	AJY324LNLBH	AJY342LNLBH	AJY360LNLBH	AJY378LNLBH	AJY396LNLBH	AJY414LNLBH	AJY432LNLBH	AJY450LNLBH	AJY468LNLBH	AJY486LNLBH	
Maximum Connectable Indoor Unit			13	16	19	23	26	29	33	36	40	43	46	50	53	55	55	55	55	55	55	55	55	55	55	55	55	
Indoor unit connectable capacity		Cooling	11.2-29.1	14-36.4	16.8-43.5	20-52	22.5-58.5	25-65	28-72.8	31.2-81.1	34-88.4	36.5-94.9	39-101.4	42.5-110.5	45-117	47.5-123.5	50-130	53-137.8	56.5-146.9	59-153.4	61.5-159.9	64-166.4	67.5-175.5	70-182	72.5-188.5	75-195		
Power source			3-phase 4 wire, 400 V, 50Hz												3N - 400V, 50/60Hz													
T1 condition	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	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	
		Heating	kW	25.0	31.5	37.5	45.0	50.0	50.0	63.0	70.0	76.5	81.5	81.5	81.5	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
	Input power	Cooling	Btu/h	76400	95500	114300	136500	153500	170600	191000	212900	232000	249000	266100	290000	307000	324100	341200	341200	361600	385500	402500	419600	436700	460500	47600	494700	511800
		Heating	Btu/h	85300	107500	128000	153500	170600	215000	238800	261000	278100	278100	278100	324100	341200	341200	341200	341200	385600	431600	448700	448700	448700	511800	511800	511800	511800
	Current	Cooling	kW	5.20	7.28	8.96	10.96	13.01	16.56	14.56	16.16	18.24	20.29	23.84	23.97	26.02	29.57	33.12	33.12	31.12	31.25	33.30	36.85	40.40	39.03	42.58	46.13	49.68
		Heating	kW	5.17	7.25	8.65	11.17	13.63	13.63	14.50	16.34	18.42	20.88	20.88	24.80	27.26	27.26	27.26	27.26	28.13	32.05	34.51	34.51	34.51	40.89	40.89	40.89	40.89
	EER	Cooling	W/W	4.31	3.85	3.74	3.65	3.46	3.02	3.85	3.86	3.73	3.60	3.27	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	
		Heating	W/W	4.84	4.35	4.34	4.03	3.67	3.67	4.34	4.28	4.15	3.90	3.90	3.83	3.67	3.67	3.67	3.67	4.02	3.95	3.81	3.81	3.81	3.67	3.67	3.67	3.67
	COP	Cooling	Btu/h/W	14.7	13.1	12.8	12.5	11.8	10.3	13.1	13.2	12.7	12.3	11.2	12.1	11.8	11.4	10.3	11.0	12.3	12.1	11.4	10.8	11.8	11.2	10.7	10.3	
		Heating	Btu/h/W	16.5	14.8	14.8	13.7	12.5	12.5	14.8	14.6	14.2	13.3	13.3	13.1	12.5	12.5	12.5	13.7	13.5	13.0	13.0	13.0	12.5	12.5	12.5	12.5	12.5
T3 condition	Capacity	Cooling	kW	20.2	25.2	28.5	32	35.1	35.2	50.4	52.2	57.2	60.3	60.4	67.1	70.2	70.3	70.4	70.4	85.6	92.3	95.4	95.5	95.6	105.3	105.4	105.5	
		Heating	kW	20.2	25.2	28.5	32	35.1	35.2	50.4	52.2	57.2	60.3	60.4	67.1	70.2	70.3	70.4	70.4	85.6	92.3	95.4	95.5	95.6	105.3	105.4	105.5	
Input power	Cooling	Btu/h	68900	86000	97200	109200	119800	120100	172000	178100	195200	205800	206100	229000	239600	239900	240200	240200	292100	315000	325600	325900	326200	359400	359700	360000	360300	
	Heating	Btu/h	68900	86000	97200	109200	119800	120100	172000	178100	195200	205800	206100	229000	239600	239900	240200	240200	292100	315000	325600	325900	326200	359400	359700	360000	360300	
Current	Cooling	kW	6.73	9.20	9.34	10.70	11.82	12.35	18.39	17.44	19.90	21.02	21.55	22.52	23.64	24.17	24.70	24.70	30.75	31.72	32.83	33.37	33.90	35.45	35.99	36.52	37.05	
	Heating	kW	6.73	9.20	9.34	10.70	11.82	12.35	18.39	17.44	19.90	21.02	21.55	22.52	23.64	24.17	24.70	24.70	30.75	31.72	32.83	33.37	33.90	35.45	35.99	36.52	37.05	
EER	Cooling	W/W	3.00	2.74	3.05	2.99	2.97	2.85	2.74	2.99	2.87	2.87	2.80	2.98	2.97	2.91	2.85	2.85	2.78	2.91	2.91	2.86	2.82	2.97	2.93	2.89	2.85	
	Heating	W/W	3.00	2.74	3.05	2.99	2.97	2.85	2.74	2.99	2.87	2.87	2.80	2.98	2.97	2.91	2.85	2.85	2.78	2.91	2.91	2.86	2.82	2.97	2.93	2.89	2.85	
Power factor	High	m/h	90	92	92	92	92	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	
	Low	m/h	1100	1100	13000	13000	13700	13700	11100+2	13000+11100	13000+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	13700+11100	
Sound pressure level / 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	64 / 85	64 / 85	65 / 86	66 / 87	66 / 87	66 / 87	65 / 86	65 / 86	66 / 87	67 / 88	67 / 88	67 / 88	67 / 88	68 / 89	
	Heating	dB(A)	58 / 80	59 / 81	60 / 83	62 / 84	64 / 86	64 / 86	64 / 86	64 / 86	65 / 87	65 / 87	65 / 87	65 / 87	66 / 88	67 / 89	67 / 89	67 / 89	67 / 89	66 / 88	66 / 88	67 / 89	68 / 90	68 / 90	69 / 91	69 / 91	69 / 91	
External static pressure (Max)	Pa		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82		
Compressor motor output	kW		7.5	7.5	11	11	11	7.5+2	11.0+7.5	11.0+7.5	11.0+7.5	11.0+7.5	11.0+7.5	11.0+2	11.0+2	11.0+2	11.0+2	11.0+2	11.0+2+7.5	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		
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions	Height	mm	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690		
	Width	mm	930	930	1240	1240	1240	1240	930+2	1240+930	1240+930	1240+930	1240+930	1240+2	1240+2	1240+2	1240+2	1240+2	1240+2	1240+2+930	1240+2+930	1240+2+930	1240+2+930	1240+3	1240+3	1240+3		
	Depth	mm	765	765	765	765	765	765	765+2	765+2	765+2	765+2	765+2	765+2	765+2	765+2	765+2	765+2	765+2	765+3	765+3	765+3	765+3	765+3	765+3	765+3		
Weight	kg		255	255	279	279	279	255+2	279+255	279+255	279+255	279+255	279+255	279+2	279+2	279+2	279+2	279+2	279+2+255	279+2+255	279+2+255	279+2+255	279+2+255	279+3	279+3	279+3		
	Type (Global Warming Potential)		R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)		
Refrigerant	Charge	kg(CO2eq-T)	11.7 (24.4)	11.7 (24.4)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.7+2 (24.4+2)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+11.7 (24.6+24.4)	11.8+2 (24.6+2)	11.8+2 (24.6+2)	11.8+2 (24.6+2)	11.8+2 (24.6+2)	11.8+2 (24.6+2)	11.8+2+11.7 (24.6+2+24.4)	11.8+2+11.7 (24.6+2+24.4)	11.8+2+11.7 (24.6+2+24.4)	11.8+2+11.7 (24.6+2+24.4)	11.8+3 (24.6+3)	11.8+3 (24.6+3)	11.8+3 (24.6+3)			
	Connection pipe diameter	mm	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05		
Operation range	Cooling	*CDB	-15 to 22	-15 to 22	-15 to 22	-15 to 22</																						

Heat Pump Modular Type



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



System Outline

Excellent energy savings

Heat pump type inverter control is used to achieve economic cooling and heating operation for individual air conditioning to entire air conditioning.

High design flexibility for various building air conditioning

The high static pressure design flexibly meets the needs of high rise buildings including easy installation on each floor.

Easy installation and maintenance

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

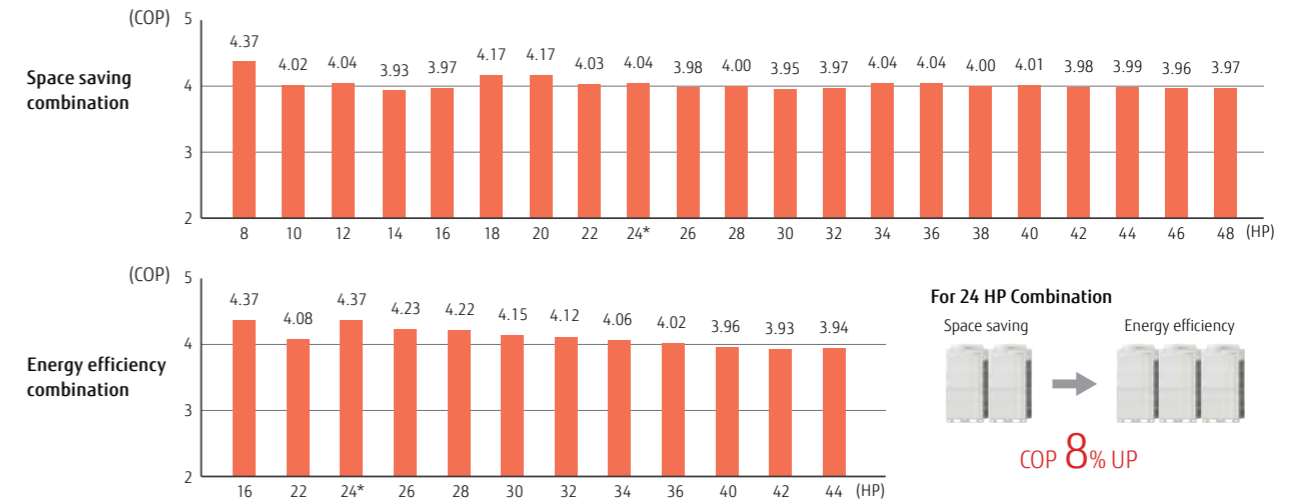


Features



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.



Energy saving technology that boosted operation efficiency

- 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
- DC fan motor**
Power consumption has been reduced by 25% compared to previous models by using a compact and high performance DC fan motor.
- Subcool heat exchanger**
High Heat Exchange efficiency is achieved by using an internal projection shape double pipe construction.
- Sine-wave DC inverter control**
High efficiency operation is realized by using a sine wave DC inverter control.
- DC twin rotary compressor**
Significantly greater efficiency is realized by use of a large capacity DC twin rotary compressor with substantially increased refrigerant intake and compression efficiency.
- 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.
- Front intake port (corner cut air inhaling structure)**
In multiple outdoor unit installations, the unique front intake design improves airflow into the Heat Exchanger.

Outdoor units lineup

* Combinations other than the followings are not recommended.

Space saving combination				
22.4 kW (8HP) AJYA72LALH UNIT : AJYA72LALH	28.0 kW (10HP) AJYA90LALH UNIT : AJYA90LALH	33.5 kW (12HP) AJY108LALH UNIT : AJY108LALH	40.0 kW (14HP) AJY126LALH UNIT : AJY126LALH	45.0 kW (16HP) AJY144LALH UNIT : AJY144LALH
50.4 kW (18HP) AJY162LALH UNIT : AJYA90/A72LALH	56.9 kW (20HP) AJY180LALH UNIT : AJY108/A72LALH	61.5 kW (22HP) AJY198LALH UNIT : AJY108/A90LALH	67.0 kW (24HP) AJY216LALH UNIT : AJY108/108LALH	73.5 kW (26HP) AJY234LALH UNIT : AJY126/108LALH
78.5 kW (28HP) AJY252LALH UNIT : AJY144/108LALH	85.0 kW (30HP) AJY270LALH UNIT : AJY144/126LALH	90.0 kW (32HP) AJY288LALH UNIT : AJY144/144LALH	95.0 kW (34HP) AJY306LALH UNIT : AJY108/108/A90LALH	100.5 kW (36HP) AJY324LALH UNIT : AJY108/108/108LALH
107.0 kW (38HP) AJY342LALH UNIT : AJY126/108/108LALH	112.0 kW (40HP) AJY360LALH UNIT : AJY144/108/108LALH	118.5 kW (42HP) AJY378LALH UNIT : AJY144/126/108LALH	123.5 kW (44HP) AJY396LALH UNIT : AJY144/144/108LALH	130.0 kW (46HP) AJY414LALH UNIT : AJY144/144/126LALH
135.0 kW (48HP) AJY432LALH UNIT : AJY144/144/144LALH				

Energy efficiency combination				
44.8 kW (16HP) AJY144LALHH UNIT : AJYA72/A72LALH	62.4 kW (22HP) AJY198LALHH UNIT : AJY126/A72LALH	67.2 kW (24HP) AJY216LALHH UNIT : AJYA72/A72/A72LALH	72.8 kW (26HP) AJY234LALHH UNIT : AJYA90/A72/A72LALH	78.4 kW (28HP) AJY252LALHH UNIT : AJY108/A72/A72LALH
84.8 kW (30HP) AJY270LALHH UNIT : AJY126/A72/A72LALH	89.8 kW (32HP) AJY288LALHH UNIT : AJY108/108/A72LALH	95.9 kW (34HP) AJY306LALHH UNIT : AJY126/108/A72LALH	102.4 kW (36HP) AJY324LALHH UNIT : AJY126/126/A72LALH	113.5 kW (40HP) AJY360LALHH UNIT : AJY126/126/108LALH
120.0 kW (42HP) AJY378LALHH UNIT : AJY126/126/126LALH	125.0 kW (44HP) AJY396LALHH UNIT : AJY144/126/126LALH			

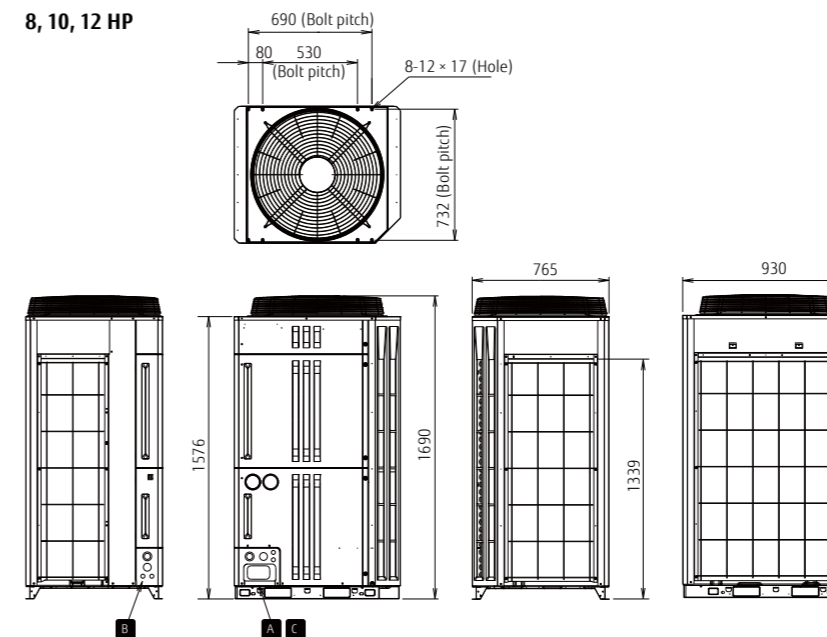
8,10,12HP : AJYA72LALH / AJYA90LALH / AJY108LALH
14,16HP : AJY126LALH / AJY144LALH



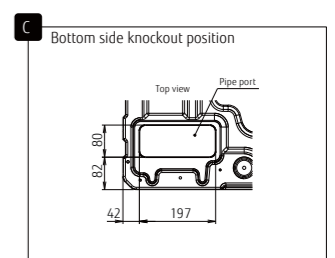
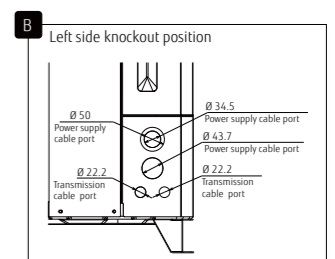
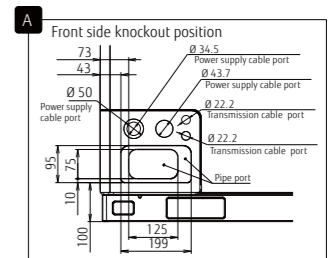
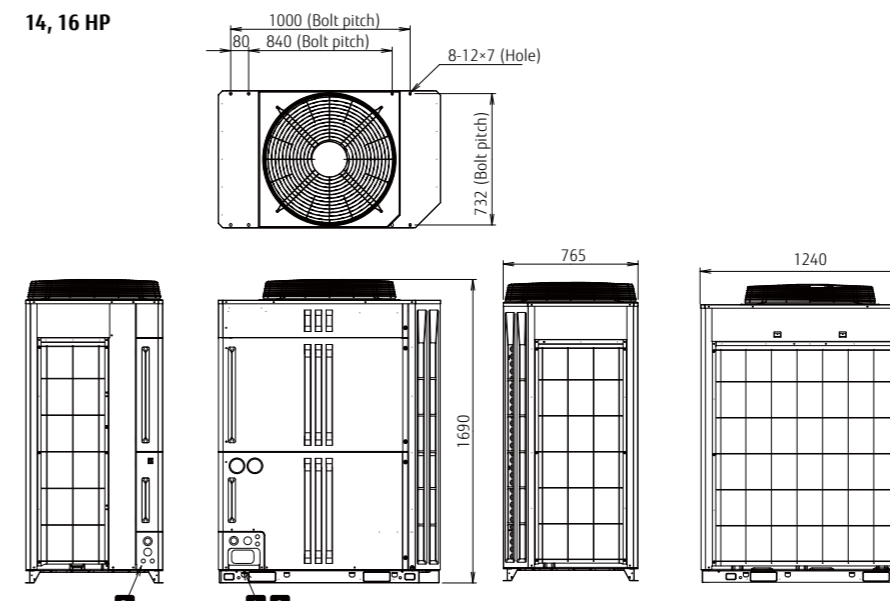
Dimensions

(Unit : mm)

8, 10, 12 HP



14, 16 HP



Outdoor units specifications

Space Saving Combination

Rating Capacity range	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
Set Model name		AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY162LALH	AJY180LALH	AJY198LALH	AJY216LALH	AJY234LALH	AJY252LALH	AJY270LALH	AJY288LALH	AJY306LALH	AJY324LALH	AJY342LALH	AJY360LALH	AJY378LALH	AJY396LALH	AJY414LALH	AJY432LALH	AJY450LALH
Unit 1		AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJYA90LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY144LALH
Unit 2							AJYA72LALH	AJYA90LALH	AJYA90LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY144LALH
Unit 3										AJY108LALH	AJY108LALH	AJY108LALH	AJY144LALH	AJY144LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY108LALH	AJY126LALH	AJY144LALH	AJY144LALH	AJY144LALH	AJY144LALH
Maximum Connectable Indoor Unit*1		15	16	17	21	24	32	32	32	35	39	42	45	48	48	48	48	48	48	48	48	48	48
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	28.0-83.8	30.8-92.2	33.5-100.5	36.8-110.2	39.3-117.7	42.5-127.5	45.0-135.0	47.5-142.5	50.3-150.7	53.5-160.5	56.0-168.0	59.3-177.7	61.8-185.2	65.0-195.0	67.5-202.5	
Power source	3-phase 4 wire, 400 V, 50Hz											3-phase 4 wire, 400 V, 50Hz											
Capacity	Cooling	22.4	28.0	33.5	40.0	45.0	50.4	55.9	61.5	67.0	73.5	78.5	85.0	90.0	95.0	100.5	107.0	112.0	118.5	123.5	130.0	135.0	
	Heating	25.0	31.5	37.5	45.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	95.0	100.0	106.5	112.5	120.0	125.0	132.5	137.5	145.0	150.0	
Input power	Cooling	5.51	7.73	9.62	11.53	14.17	13.24	15.13	17.35	19.24	21.15	23.79	25.70	28.34	26.97	28.86	30.77	33.41	35.32	37.96	39.87	42.51	
	Heating	5.72	7.83	9.28	11.45	12.60	13.55	15.00	17.11	18.56	20.73	21.88	24.05	25.20	26.39	27.84	30.01	31.16	33.33	34.48	36.65	37.80	
EER	Cooling	4.07	3.62	3.48	3.47	3.18	3.81	3.69	3.54	3.48	3.48	3.30	3.31	3.18	3.52	3.48	3.48	3.48	3.35	3.36	3.25	3.26	
COP	Heating	4.37	4.02	4.04	3.93	3.97	4.17	4.17	4.03	4.04	3.98	4.00	3.95	3.97	4.04	4.04	4.00	4.01	3.98	3.99	3.96	3.97	
Air flow late	High	11,100	11,100	11,100	13,000	13,000	11,100 × 2	11,100 × 2	11,100 × 2	11,100 × 2	13,000 + 11,100	13,000 + 11,100	13,000 × 2	13,000 × 2	11,100 × 3	11,100 × 3	13,000 + 11,100 × 2	13,000 + 11,100 × 2	13,000 × 2 + 11,100	13,000 × 2 + 11,100	13,000 × 3	13,000 × 3	
Sound pressure level*2	Cooling	56	58	58	60	61	60	60	61	61	62	63	64	64	63	63	64	64	65	65	65	66	
	Heating	58	59	60	61	61	62	62	63	63	64	64	64	64	64	65	65	65	65	65	66	66	
Maximum external static pressure	Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
Compressor motor output	kW	3.9	3.9	3.9 + 4.5	3.9 + 4.5	3.9 + 4.5	3.9 × 2	3.9 × 2 + 4.5	3.9 × 2 + 4.5	3.9 × 2 + 4.5 × 2	3.9 × 2 + 4.5 × 2	3.9 × 2 + 4.5 × 2	3.9 × 2 + 4.5 × 2	3.9 × 2 + 4.5 × 2	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	
Net Dimensions	Height	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	
	Width	930	930	930	1,240	1,240	930 × 2	930 × 2	930 × 2	930 × 2	930 + 1,240	930 + 1,240	1,240 × 2	1,240 × 2	930 × 3	930 × 3	930 × 2 + 1,240	930 × 2 + 1,240	930 + 1,240 × 2	930 + 1,240 × 2	1,240 × 3	1,240 × 3	
	Depth	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	765	
Weight	kg	220	220	275	303	303	220 + 220	275 + 220	275 + 220	275 + 275	303 + 275	303 + 275	303 + 303	296 + 296	275 + 275 + 220	275 + 275 + 275	303 + 275 + 275	303 + 275 + 275	303 + 303 + 275	303 + 303 + 275	303 + 303 + 303	303 + 303 + 303	
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	11.2 (23.4)	11.2 (23.4)	11.8 (24.6)	11.8 (24.6)	11.8 (24.6)	11.2 × 2 (23.4 × 2)	11.8 + 11.2 (24.6 + 23.4)	11.8 + 11.2 (24.6 + 23.4)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 (24.6 × 2)	11.8 × 2 + 11.2 (24.6 × 2 + 23.4)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)	11.8 × 3 (24.6 × 3)
Connection pipe diameter	Liquid	12.70	12.70	12.70	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Gas	22.22	22.22	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	34.92	41.27	41.27	41.27	41.27	41.27	41.27	41.27	
Operation range	Cooling	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	-5 to 46	
	Heating	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	

Energy Efficiency Combination

Rating Capacity range	HP	16	22	24	26	28	30	32	34	36	40	42	44
Set Model name		AJY144LALHH	AJY198LALHH	AJY216LALHH	AJY234LALHH	AJY252LALHH	AJY270LALHH	AJY288LALHH	AJY306LALHH	AJY324LALHH	AJY360LALHH	AJY378LALHH	AJY396LALHH
Unit 1		AJYA72LALH	AJY126LALH	AJYA72LALH	AJYA90LALH	AJY108LALH	AJY126LALH	AJY108LALH	AJY126LALH	AJY126LALH	AJY126LALH	AJY126LALH	AJY144LALH
Unit 2		AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJYA72LALH	AJY126LALH	AJY126LALH
Unit 3												AJY126LALH	AJY126LALH
Maximum Connectable Indoor Unit*1		30	33	36	39	42	45	48	48	48	48	48	48
Indoor unit connectable capacity	kW	22.4-67.2	31.2-93.6	33.6-100.8	36.4-109.2	39.2-117.4	42.4-127.2	44.7-134.1	48.0-143.8	51.2-153.6	56.8-170.2	60.0-180.0	62.5-187.5
Power source	3-phase 4 wire, 400 V, 50Hz						3-phase 4 wire, 400 V, 50Hz						
Capacity	Cooling	44.8	62.4	72.8	72.8	78.3	84.8	89.4	95.9	102.4	113.5	120.0	125.0
	Heating	50.0	70.0	75.0	81.5	87.5	95.0	100.0	107.5	115.0	127.5	135.0	140.0
Input power	Cooling	11.02	17.04	16.53	18.75	20.64	22.55	24.75	26.66	28.57	32.68	34.59	37.23
	Heating	11.44	17.17	17.16	19.27	20.72	22.89	24.28	26.45	28.62	32.18	34.35	35.50
EER	Cooling	4.07	3.66	4.07	3.88	3.79	3.76	3.61	3.60	3.58	3.47	3.47	3.36
COP	Heating	4.37	4.08	4.37	4.23	4.22	4.15	4.12	4.06	4.02	3.96	3.93	3.94
Air flow late	High	11,100 × 2	13,000 + 11,100	11,100 × 3	11,100 × 3	11,100 × 3	13,000 + 11,000 × 2	11,100 × 3	13,000 + 11,100 × 2	13,000 × 2 + 11,100	13,000 × 2 + 11,100	13,000 × 3	13,000 × 3
Sound pressure level*2	Cooling	59	61	61	62	62	63	62	63	64	64	65	65
	Heating	59	62	61	62	63	63	64	64	65	65	66	66
Maximum external static pressure	Pa	80	80	80	80	80	80	80	80	80	80	80	80
Compressor motor output	kW	3.9 × 2	3.9 × 2 + 4.5	3.9 × 3	3.9 × 3	3.9 × 3 + 4.5	3.9 × 3 + 4.5	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 2	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3	3.9 × 3 + 4.5 × 3
Heat exchanger fin		Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin
Net Dimensions	Height	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690
	Width	930 × 2	930 + 1,240	930 × 3	930 × 3	930 × 3	930 × 3	930 × 2 + 1,240	930 × 3	930 × 2 + 1,240	930 + 1,240 × 2	930 + 1,240 × 2	1,240 × 3
	Depth	765	765	765	765	765	765	765	765	765	765	765	765
Weight	kg	220 + 220	303 + 220	220 + 220 + 220	220 + 220 + 220	275 + 220 + 220	303 + 220 + 220	275 + 275 + 220	303 + 275 + 220	303 + 303 + 220	303 + 303 + 275	303 + 303 + 303	303 + 303 + 303
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R							

LARGE VRF Indoor Units



Capacity range (kW)		1.1	2.2	2.8	3.6	4.5	5.6	7.1	9.0	10.0	11.2	12.5	14.0	18.0	22.4	25.0	28.0	
Model code		4	7	9	12	14	18	24	30	34	36	45	54	60	72	90	96	
Cassette	Compact																	
	4-way Flow Slim type																	
	4-way Flow Large type																	
	Circular Flow Slim type																	
	Circular Flow Large type																	
Duct	Mini Duct (With drain pump)																	
	Slim Duct (With drain pump)																	
	Medium Static Pressure Duct																	
	High Static Pressure Duct																	
	Large Airflow Duct																	
Floor	Floor (*Same as Ceiling models)																	
	Slim Concealed Floor (*Same as Slim Duct models)																	
	Compact Floor																	
	Compact Floor (EEV external)																	
		With this model, connection of EV kit is necessary.																
Ceiling																		
Wall Mounted	Wall Mounted																	
	Wall Mounted (EEV external)																	
		With this model, connection of EV kit is necessary.																

*1: Large Airflow Duct can be connected to V-III series only.



Indoor Units for LARGE VRF Specifications



4-way Compact Cassette

NEW



Model name		AUXB04GBLH	AUXB07GALH	AUXB09GALH	AUXB12GALH	AUXB14GALH	AUXB18GALH	AUXB24GALH
Power source		Single-phase, ~230V, 50Hz						
Capacity	Cooling	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	1.3	2.8	3.2	4.1	5.0	6.3	8.0
Input power	Cooling	23	25	25	29	35	36	84
	Heating	23	25	25	29	35	36	84
Airflow rate	High	420/450*1	540	550	600	680	710	1,030
	Med	300/350*1	450	450	530	590	580	830
	Low	300/350*1	350	350	390	390	400	450
	Quiet	34	34	35	37	38	41	50
Sound pressure level	High	28/30*1	30	30	34	34	35	44
	Med	21/25*1	25	25	27	27	27	30
	Low	21/25*1	25	25	27	27	27	30
	Quiet	21/25*1	25	25	27	27	27	30
Net Dimensions (H × W × D)		mm 245 × 570 × 570						
Weight		kg(lbs) 15 (33)						
Connection pipe diameter	Liquid (Flare)	6.35						
	Gas (Flare)	12.70						
Drain hose diameter (I.D./O.D.)		25/32						
Cassette Grille		Model name UTG-UFYC-W						
Net Dimensions (H×W×D)		mm 50 × 700 × 700						
Weight		kg(lbs) 2.6 (6)						

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	AUXA18GALH	AUXA24GALH	AUXA30GALH	AUXA34GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH
Power source		Single-phase, ~230V, 50Hz								
Capacity	Cooling	5.6	7.1	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating	6.3	8.0	6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power	Cooling	39	46	51	51	59	77	80	99	119
	Heating	39	46	51	51	59	77	80	99	119
Airflow rate	High	1,150	1,280	1,420	1,420	1,600	1,750	1,800	1,900	2,000
	Med	940	1,040	1,230	1,230	1,300	1,300	1,300	1,370	1,370
	Low	870	870	1,100/1,000*1	1,100/1,000*1	1,100	1,100	1,100	1,100	1,100
	Quiet	36	38	40	40	40	43	44	46	47
Sound pressure level	High	30	33	36	36	38	38	38	39	39
	Med	29	29	33/31*1	33/31*1	33	33	33	33	33
	Low	29	29	33/31*1	33/31*1	33	33	33	33	33
	Quiet	29	29	33/31*1	33/31*1	33	33	33	33	33
Net Dimensions (H × W × D)		mm 246 × 840 × 840				mm 288 × 840 × 840				
Weight		kg(lbs) 22 (48)				kg(lbs) 27 (59)				
Connection pipe diameter	Liquid (Flare)	9.52					19.05			
	Gas (Flare)	15.88					19.05			
Drain hose diameter (I.D./O.D.)		25/32								
Cassette Grille		Model name UTG-UGYA-W								
Net Dimensions (H×W×D)		mm 50 × 950 × 950								
Weight		kg(lbs) 5.5 (12)								

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 "cooling operation / heating operation".

Circular Flow Cassette

NEW



Model name		AUXM018GLAH	AUXM024GLAH	AUXM030GLAH	AUXK018GLAH	AUXK024GLAH	AUXK030GLAH	AUXK034GLAH	AUXK036GLAH	AUXK045GLAH	AUXK054GLAH
Power source		Single-phase, ~230V, 50Hz									
Capacity	Cooling	5.6	7.1	9.0	5.6	7.1	9.0	10.0	11.2	12.5	14.0
	Heating	6.3	8.0	10.0	6.3	8.0	10.0	11.2	12.5	14.0	16.0
Input power	Cooling	20	25	49	40	40	47	47	61	89	116
	Heating	20	25	49	40	40	47	47	61	89	116
Airflow rate	High	1,050	1,120	1,470	1,420	1,420	1,440	1,440	1,620	1,820	2,040
	Med-H	930	1,050	1,160	1,360	1,360	1,440	1,440	1,500	1,590	1,800
	Med	900	930	1,070	1,300	1,300	1,340	1,340	1,400	1,500	1,590
	Med-L	870	900	930	1,270	1,270	1,300	1,300	1,340	1,400	1,440
	Low	810	870	900	1,200	1,200	1,280	1,280	1,280	1,300	1,300
	Quiet	780	780	780	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Sound pressure level	High	33	35	40	38	38	39	39	41	44	47
	Med-H	32	33	36	37	37	38	38	40	42	45
	Med	31	32	34	36	36	37	37	38	40	42
	Med-L	30	31	32	35	35	36	36	37	38	39
	Low	29	30	31	34	34	35	35	36	36	36
	Quiet	28	28	28	33	33	33	33	33	33	33
Net Dimensions (H × W × D)		mm 246 × 840 × 840					mm 288 × 840 × 840				
Weight		kg(lbs) 24.0 (53)					kg(lbs) 29.5 (65)				
Connection pipe diameter	Liquid (Flare)	6.35					9.52				
	Gas (Flare)	12.70					15.88				
Drain hose diameter (I.D./O.D.)		25/32					25/32				
Cassette Grille		Model name UTG-UKYC-W / UTG-UKYA-B									
Net Dimensions (H×W×D)		mm 53 × 950 × 950					mm 53 × 950 × 950				
Weight		kg(lbs) 6.0 (13)					kg(lbs) 6.0 (13)				

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 AUX*018GLAH 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.

Indoor Units for LARGE VRF Specifications



Mini Duct

NEW



Model name		ARXK04GCLH	ARXK07GCLH	ARXK09GCLH	ARXK12GCLH	ARXK14GCLH	ARXK18GCLH	ARXK24GCLH
Power source		Single-phase, ~230V, 50Hz						
Capacity	Cooling	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power	W	26	28	28	35	66	73	80
	High	460	460	460	550	760	930	1,160
Airflow rate	Med-H	440	—	—	—	—	—	—
	Med	420	420	420	480	560	740	960
	Med-L	400	—	—	—	—	—	—
	Low	370	370	370	410	410	540	750
	Quiet	340	—	—	—	—	—	—
Static pressure range	Pa	0 to 30			0 to 50			—
Standard static pressure	Pa	10			15			—
Sound pressure level	High	25	26	26	29	34	33	32
	Med-H	24	25	25	27	31	30	30
	Med	23	24	24	26	28	28	28
	Med-L	22	23	23	25	26	26	27
	Low	21	22	22	24	24	24	25
Quiet	20	21	21	22	22	22	22	
Net Dimensions (H × W × D)	mm	198 × 700 × 450			198 × 900 × 450		198 × 1,100 × 450	
Weight	kg(lbs)	14.5 (32)	15.5 (34)		16 (35)	19 (42)	22.5 (50)	
Connection pipe diameter	Liquid (Flare)	6.35		6.35		9.52		—
	Gas (Flare)	9.52		12.70		15.88		—
Drain hose diameter (I.D./O.D.)	mm	25/32						

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

Slim Duct / Slim Concealed Floor



Model name		ARXD04GALH	ARXD07GALH	ARXD09GALH	ARXD12GALH	ARXD14GALH	ARXD18GALH	ARXD24GALH
Power source		Single-phase, ~230V, 50Hz						
Capacity	Cooling	1.1	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power	W	40	44	50	54	92	83	122
	High	510	550	600	600	800	940	1,330
Airflow rate	Med	400/470*1	490	550	510	710	840	1,240
	Low	320/440*1	440	480	450	610	750	1,100
	Med	—	—	—	—	—	—	—
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	Pa	25	25	25	25	25	25	25
Sound pressure level	High	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(lbs)	17 (37)		18 (40)		22 (48)	26 (57)	
Connection pipe diameter	Liquid (Flare)	6.35		6.35		9.52		—
	Gas (Flare)	12.70		12.70		15.88		—
Drain hose diameter (I.D./O.D.)	mm	25/32						

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

Medium Static Pressure Duct



Model name		ARXA24GBLH	ARXA30GBLH	ARXA36GBLH	ARXA45GBLH
Power source		Single-phase, ~230V, 50Hz			
Capacity	Cooling	7.1	9.0	11.2	12.5
	Heating	8.0	10.0	12.5	14.0
Input power	W	94	108	194	240
	High	1,280	1,410	1,840	1,970
Airflow rate	Med	990	1,280	1,600	1,860
	Low	840	1,150	1,470	1,640
	Med	—	—	—	—
Static pressure range	Pa	0 to 150	0 to 150	0 to 150	0 to 150
Standard static pressure	Pa	40	50	60	60
Sound pressure level	High	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(lbs)	36 (79)		40 (88)	
Connection pipe diameter	Liquid (Flare)	15.88		9.52	
	Gas (Flare)	15.88		19.05	
Drain hose diameter (I.D./O.D.)	mm	25/32			

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

High Static Pressure Duct



Model name		ARXC36GBTH	ARXC45GATH	ARXC60GATH*	ARXC72GBTH	ARXC90GBTH	ARXC96GATH
Power source		Single-phase, ~230V, 50Hz					
Capacity	Cooling	11.2	12.5	18.0	22.4	25.0	28.0
	Heating	12.5	14.0	20.0	25.0	28.0	31.5
Input power	W	207	715	730	681	819	838
	High	1,990	3,500	3,500	3,900	4,300	4,850
Airflow rate	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
	Med	—	—	—	—	—	—
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	Pa	100	100	100	150	150	150
Sound pressure level	High	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(lbs)	40 (88)	46 (101)		84 (185)	105 (231)	
Connection pipe diameter	Liquid	9.52 (Flare)			12.70 (Brazing)		
	Gas	19.05 (Flare)			22.22 (Brazing)		
Drain hose diameter (I.D./O.D.)	mm	25/32					

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

Large Airflow Duct



Model name		ARXN18GATH	ARXN24GATH	ARXN30GATH	ARXN34GATH	ARXN36GATH	ARXN45GATH
Power source		Single-phase, ~230V, 50Hz					
Capacity	Cooling	5.6	7.1	9.0	10.0	11.2	12.5
	Heating	6.3	8.0	10.0	11.2	12.5	14.0
Input power	W	154	205	306	432	572	572
	High	2,280	2,640	3,200	3,720	4,120	4,120
Airflow rate	Med	—	—	—	—	—	—
	Low	—	—	—	—	—	—
	Med	—	—	—	—	—	—
Static pressure range	Pa	50 to 100	50 to 150	50 to 250	50 to 250	50 to 300	50 to 300
Standard static pressure	Pa	50	50	50	50	60	60
Sound pressure level	High	35	37	40	43	45	45
	Med	—	—	—	—	—	—
	Low	—	—	—	—	—	—
Net Dimensions (H × W × D)	mm	450 × 1,587 × 700					
Weight	kg(lbs)	84 (185)					
Connection pipe diameter	Liquid	9.52 (Flare)					
	Gas	15.88 (Flare)			19.05 (Flare)		
Drain hose diameter (I.D./O.D.)	mm	25/32					

Note : Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB. Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB. Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V]. Large Airflow Duct can be connected to V-III series only.

Compact Floor

NEW



Model name		AGYA004GCAH	AGYA007GCAH	AGYA009GCAH	AGYA012GCAH	AGYA014GCAH	AGYE004GCAH	AGYE007GCAH	AGYE009GCAH	AGYE012GCAH	AGYE014GCAH	
Power source		Single-phase, ~230V, 50Hz										
Capacity	Cooling	1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0	
	Heating	1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5	
Input power	W	12 / 14	16	17	22	29	12 / 14	16	17	22	29	
	High	380 / 430	470	500	590	670	380 / 430	470	500	590	670	
Airflow rate	Med-H	350	420	450	520	590	350	420	450	520	590	
	Med	320	390	400	470	520	320	390	400	470	520	
	Med-L	310	360	360	420	450	310	360	360	420	450	
	Low	280	330	330	390	390	280	330	330	390	390	
	Quiet	210	270	270	340	340	210	270	270	340	340	
Sound pressure level	High	35 / 36	37	38	42	46	35 / 36	37	38	42	46	
	Med-H	33	35	36	39	42	33	35	36	39	42	
	Med	31	33	34	37	39	31	33	34	37	39	
	Med-L	30	31	31	35	36	30	31	31	35	36	
	Low	28	29	29	33	33	28	29	29	33	33	
Quiet	22	22	22	30	30	22	22	22	30	30		
Net Dimensions (H × W × D)	mm	600 × 740 × 200						600 × 740 × 200				
Weight	kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)	15 (33)	14.5 (32)	14.5 (32)	14.5 (32)	14.5 (32)	14.5 (32)	
Connection pipe diameter	Liquid (Flare)	6.35		6.35		9.52		6.35				
	Gas (Flare)	9.52		12.70		9.52		12.70				
Drain hose diameter (I.D./O.D.)	mm	13.8/15.8to16.7						13.8/15.8to16.7				
EV Kit (option)		-						UTR-EV09XB		UTR-EV14XB		

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, gas pipe diameter should be Ø12.70.

Indoor Units for LARGE VRF Specifications



Floor/Ceiling



Model name			ABYA12GATH	ABYA14GATH	ABYA18GATH	ABYA24GATH
Power source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	3.6	4.5	5.6	7.1
	Heating		4.0	5.0	6.3	8.0
Input power		W	30	42	74	99
Airflow rate	High	m³/h	660	780	1,000	1,000
	Med		570	640	720	820
	Low		490	550	580	680
	Quiet		36	40	46	47
Sound pressure level	High	dB(A)	32	36	39	42
	Med		28	34	35	37
	Low					
Net Dimensions (H × W × D)		mm	199 × 990 × 655			
Weight		kg(lbs)	25 (55)	26 (57)	26 (57)	27 (59)
Connection pipe diameter	Liquid (Flare)	mm	6.35		9.52	
	Gas (Flare)		12.70		15.88	
Drain hose diameter (I.D./O.D.)			25/32			

Note : Specifications are 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	Cooling	kW	9.0	11.2	12.5	14.0
	Heating		10.0	12.5	14.0	16.0
Input power		W	66	85	131	180
Airflow rate	High	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
	Quiet		42	45	48	51
Sound pressure level	High	dB(A)	38	38	42	45
	Med		33	34	35	36
	Low					
Net Dimensions (H × W × D)		mm	240 × 1,660 × 700			
Weight		kg(lbs)	46 (101)		48 (106)	
Connection pipe diameter	Liquid (Flare)	mm	9.52		9.52	
	Gas (Flare)		15.88		19.05	
Drain hose diameter (I.D./O.D.)			25/32			

Note : Specifications are based on the following conditions.

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

Wall Mounted

NEW ASY*004/007/009GTAH



Model name			ASYA004GTAH	ASYA007GTAH	ASYA009GTAH	ASYA12GATH	ASYA14GATH	ASYE004GTAH	ASYE007GTAH	ASYE009GTAH	ASYE12GATH	ASYE14GATH
Power source			Single-phase, ~230V, 50Hz				Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	1.1	2.2	2.8	3.6	4.5
	Heating		1.3	2.8	3.2	4.1	5.0	1.3	2.8	3.2	4.1	5.0
Input power		W	13	19	34	22	34	13	19	34	21	34
Airflow rate	High	m³/h	430	550	720	560	670	430	550	720	560	680
	Med-H		420	460	570	—	—	420	460	570	—	—
	Med		390	420	500	480	490	390	420	500	480	490
	Med-L		380	390	410	—	—	380	390	410	—	—
	Low		360	360	360	420	420	360	360	360	420	420
	Quiet		330	330	330	—	—	330	330	330	—	—
Sound pressure level	High	dB(A)	31	35	43	39	44	31	35	43	38	43
	Med-H		30	32	38	—	—	30	32	38	—	—
	Med		28	30	34	35	37	28	30	34	34	35
	Med-L		26	27	29	—	—	26	27	29	—	—
	Low		24	24	24	31	32	24	24	24	30	30
	Quiet		22	22	22	—	—	22	22	22	—	—
Net Dimensions (H × W × D)		mm	262 × 820 × 206			275 × 790 × 215		262 × 820 × 206			275 × 790 × 215	
Weight		kg(lbs)	7.5 (17)	7.5 (17)	7.5 (17)	9 (20)		7 (15)	7 (15)	7 (15)	9 (20)	
Connection pipe diameter	Liquid (Flare)	mm	6.35		6.35		6.35		6.35		6.35	
	Gas (Flare)		9.52		12.70		9.52		9.52		12.70	
Drain hose diameter (I.D./O.D.)			13.8/15.8 to 16.7			13.8/15.8 to 16.7		13.8/15.8 to 16.7			13.8/15.8 to 16.7	
EV Kit (option)			—			—		UTR-EV09XB			UTR-EV14XB	

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, gas pipe diameter should be Ø12.70.

Wall Mounted

NEW



Model name			ASYA18GBCH	ASYA24GBCH	ASYA030GTAH	ASYA034GTAH
Power source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	5.6	7.1	9.0	10.0
	Heating		6.3	8.0	10.0	11.2
Input power		W	32	60	74	103
Airflow rate	High	m³/h	840	1,100	1,440	1,620 / 1,520
	Med-H		—	—	1,200	1,300
	Med		770	910	1,050	1,120
	Med-L		—	—	940	980
	Low		690	730	890	890
	Quiet		—	—	700	700
Sound pressure level	High	dB(A)	41	48	53	55 / 54
	Med-H		—	—	49	51
	Med		39	43	45	47
	Med-L		—	—	42	43
	Low		35	35	39	39
	Quiet		—	—	33	33
Net Dimensions (H × W × D)		mm	320 × 998 × 238		340 × 1,150 × 280	
Weight		kg(lbs)	15 (33)	15 (33)	18 (40)	18 (40)
Connection pipe diameter	Liquid (Flare)	mm	6.35		9.52	
	Gas (Flare)		12.70		15.88	
Drain hose diameter (I.D./O.D.)			12/16		13.8/15.8 to 16.7	

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 ASYA18GBCH is connected to the outdoor unit other than J-III, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas).



VENTILATION

















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.

- 142 Energy Recovery Ventilator
- 144 Outdoor Air Unit
- 146 DX-Kit for Air Handling Application



PRODUCT LINEUP

Airflow rate (m³/h)	250	350	500	800	1000	1500	2000			
Energy Recovery Ventilator Page 142	 UTZ-BD025B	 UTZ-BD035B	 UTZ-BD050B	 UTZ-BD080B	 UTZ-BD100B					
Outdoor Air Unit Page 144					 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 146	 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		



Energy Recovery Ventilator



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

Features

Adopts a highly efficient counter-flow heat exchange element

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.

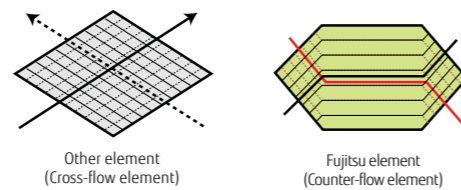
Normal ventilation
The operation is used during periods when the room space requires no cooling or heating effect, i.e. when there is minimal temperature difference between the indoor and outdoor environments.

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.

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.



Quiet operation

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

Extended range of an external static pressure

An external static pressure is improved by adopting a powerful fan motor. This allows for application in a wide variety building.

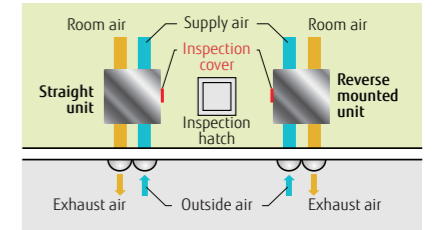
Slim shape and easier installation

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



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.



Model : UTZ-BD025B / UTZ-BD035B / UTZ-BD050B / UTZ-BD080B / UTZ-BD100B



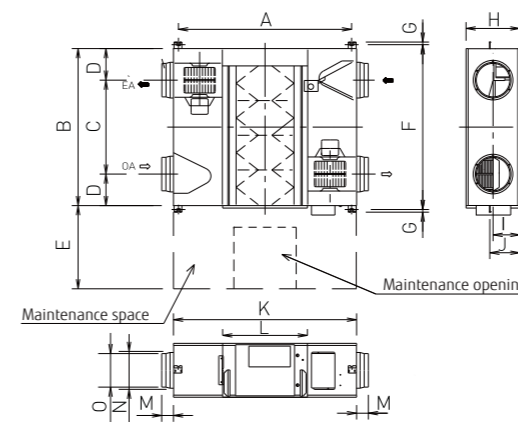
Specifications

Rated flow rate				250 m³/h	350 m³/h	500 m³/h	800 m³/h	1000 m³/h
Model No.				UTZ-BD025B	UTZ-BD035B	UTZ-BD050B	UTZ-BD080B	UTZ-BD100B
Power source				220 - 240 V, 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
	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
Normal Ventilation	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
	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
	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 804 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

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

Dimensions

(Unit : mm)



	UTZ-BD025B	UTZ-BD035B	UTZ-BD050B	UTZ-BD080B	UTZ-BD100B
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	127	85	85
N	219	162	210	258	258
O	144	144	194	242	242

Outdoor Air Unit

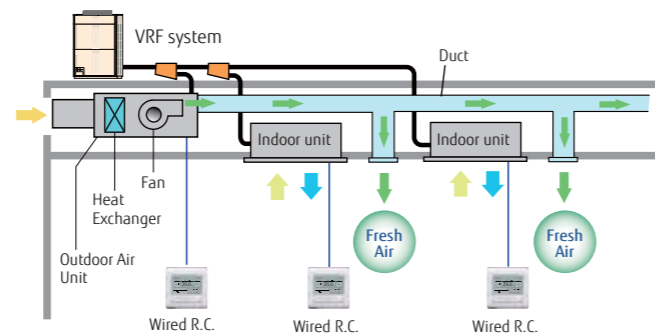
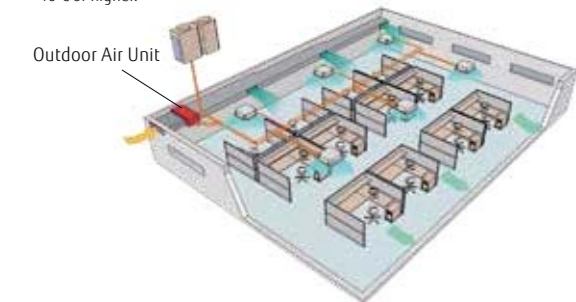
The heat pump method efficiently processes the outdoor air for cooling and heating and supplies 100% fresh air into a room.

Features

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.

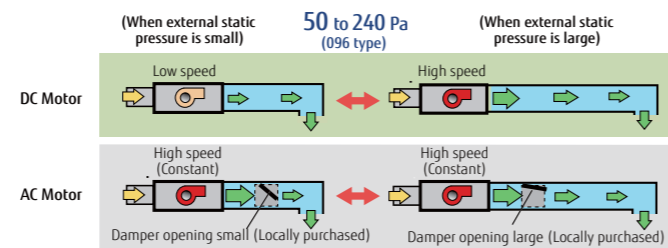
*1. Connectable VRF series: J-IIS, J-II, V-II, VR-II
In J-II series alone, OAU is prohibit to connect under the ambient temperature of 40°C or higher.



* 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 the Outdoor Air Unit connection capacity 30% or less of the outdoor unit capacity.

High energy savings and flexible duct design by using DC 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.



Top class compact design

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



Various Controller

Supplied variety of controllers as options, 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	14.0	22.4	28.0
Input Power	Heating	kW	8.9	13.9	17.4
	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)		mm	Ø9.52/Ø19.05	Ø12.70/Ø22.22	Ø12.70/Ø22.22
	Operation Range	Cooling	5 to 43	5 to 43	5 to 43
Refrigerant	Heating	°CDB	-7 to 21	-7 to 21	-7 to 21
			R410A	R410A	R410A

Note : Specifications are based on the following conditions.

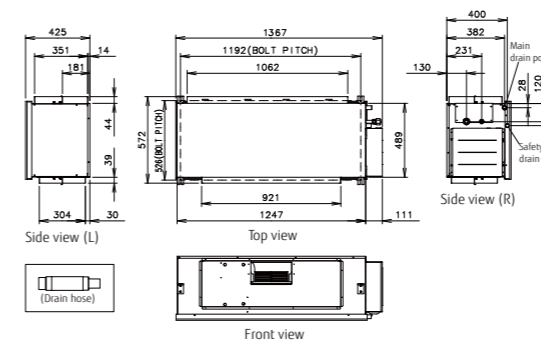
Cooling : Outdoor temperature of 33°CDB / 28°CWB.
Heating : Outdoor temperature of 0°CDB / -2.9°CWB.

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

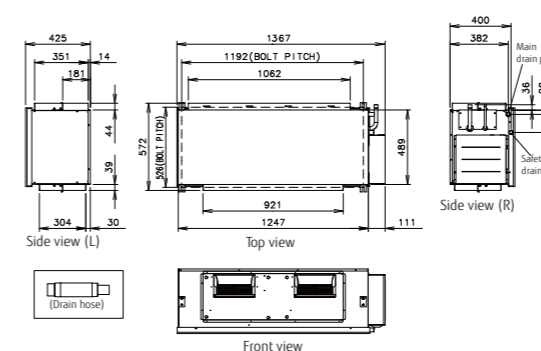
Dimensions

(Unit : mm)

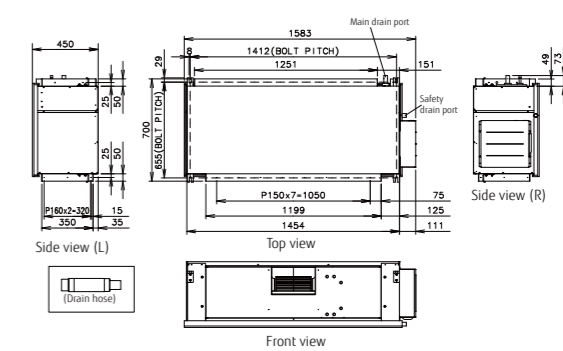
ARXH054GTAH



ARXH072GTAH



ARXH096GTAH

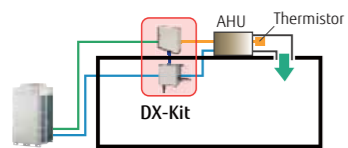


DX-Kit for Air Handling Applications

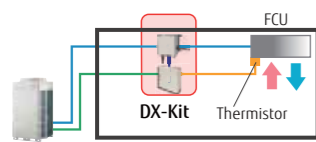
These kits enable other manufacturers air handling units (AHU) and fan coil units (FCU) to be incorporated into a Fujitsu VRF system or, be connected to a dedicated Fujitsu VRF outdoor unit as a 1:1 system to control outside air ventilation (AHU) or room temperature (FCU).

Features

Multiple temperature sensors optimally control the air handling unit and fan coil unit.

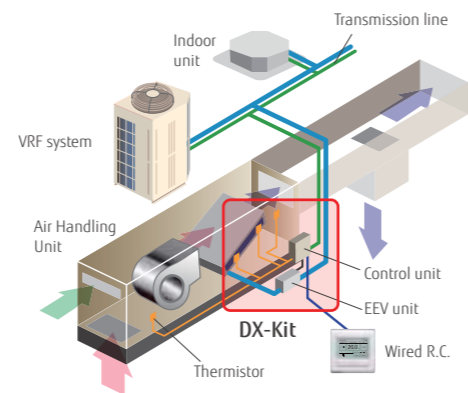


When connecting to an air handling unit, the supply air temperature is controlled by the discharge sensor.



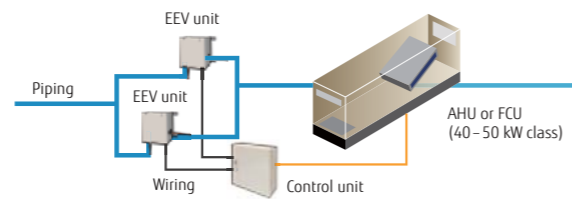
When connecting to a fan coil unit, the room temperature is controlled by the return air temperature sensor.

Arrangement as part of a VRF system



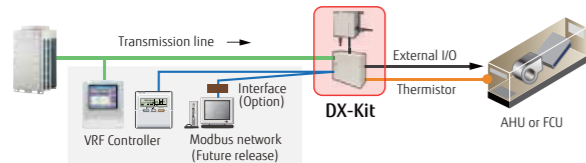
Supports a wide range of capacity classes

- 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

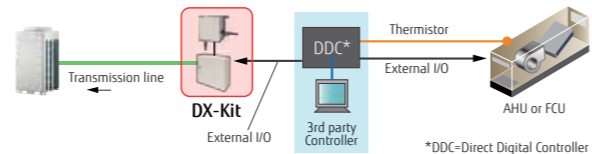


A variety of controls to match the application

Central control using our VRF controllers or central management controllers



Central control from external controllers



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

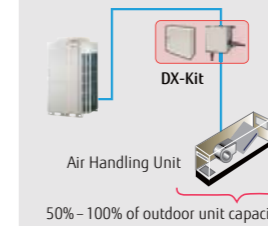


Installation Limitation

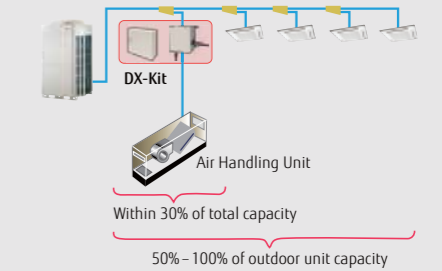
- Connectable VRF series: All VRF series
- Connectable DX-Kit system capacity range: 50 to 100% of the outdoor unit capacity
- Connectable DX-Kit system capacity range with indoor units: 30% or less of the outdoor unit capacity
- Max. wiring length from control unit: 10 m
- Max. piping length between 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

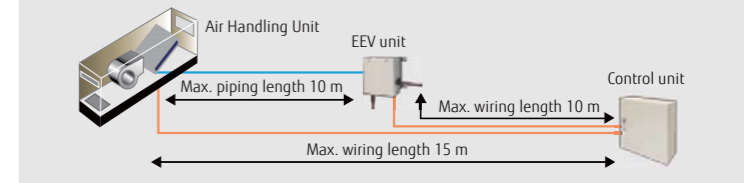
• Single connection



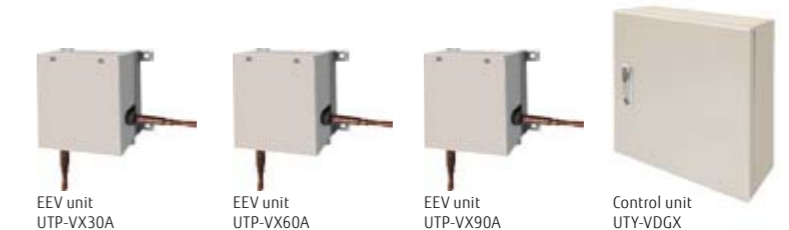
• Mixed connection



Piping and wiring length



Control unit: UTY-VDGX EEV unit: UTP-VX30A / UTP-VX60A / UTP-VX90A



Specifications

Connectable Capacity class		5.0 kW	6.3 kW	8.0 kW	10.0 kW	12.5 kW	14.0 kW	20.0 kW	25.0 kW	40.0 kW	50.0 kW
Capacity	Cooling	5.6	6.3	8.0	10.0	12.5	14.0	22.4	25.0	40.0	50.4
	Heating	6.3	7.1	9.0	11.2	14.0	16.0	25.0	28.0	45.0	56.5
Control unit		UTY-VDGX									
Power source	V/Ø/Hz	230/1/50									
Dimensions (H × W × D)	mm	400 × 400 × 120									
EEV unit		UTP-VX30A		UTP-VX60A		UTP-VX90A		UTP-VX90A×2			
Connection pipe diameter (Liquid)	mm	Ø9.53		Ø12.7		Ø12.7		Ø12.7			
Dimensions (H × W × D)	mm	160 × 220 × 90									

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.
Pipe length: 7.5 m Voltage: 230 [V].

LARGE VRF Optional Parts List/Function List



Controllers/Others

Type	Indoor unit																		
	Cassette					Duct				Floor		Ceiling/Floor	Ceiling	Wall Mounted					
	4-way Compact	4-way		Circular Flow		Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure	High Static Pressure	—	EEV external			—	EEV external	—	EEV external	—	
	AUXB 04GBLH, AUXB 18/24 GALH, AUXB 07/09/12/14/18/24 GALH	AUXD 18/24 GALH	AUXA 18/24/30/34/36/45/54GALH	AUXM 018/024/030/034/036/045/054GLAH	AUXK 018/024/030/034/036/045/054GLAH	ARXK 04/07/09/12/14/18/24GCLH	ARXD 04/07/09/12/14/18/24GCLH	ARXA 24/30/36/45GCLH	ARXC36 GBTH, ARXC45/60 GATH	ARXC72/90GBTH, ARXC96 GATH	AGYA 004/007/009/012/014GCAH	AGYE 004/007/009/012/014GCAH	ABYA 12/14/18/24GATH	ABYA 30/36/45/54GATH	ASYA 004/007/009 GTAH	ASYE 004/007/009 GTAH	ASYA 012/014 GACH	ASYE 012/014 GACH	ASYA 18/24 GBCH
Wired Remote Controller	● UTY-RNRYZ2																		
Simple Remote Controller	● UTY-RLRY																		
Wireless Remote Controller	● UTY-RSRY, UTY-RHRY, UTY-RSKY, UTY-RHKY																		
Group Remote Controller	● UTY-LNHY																		
Central Remote Controller	● UTY-CCGY + UTY-VGGXZ1																		
Touch Panel Controller	● UTY-DCGY																		
System Controller, System Controller Lite	● UTY-DTGYZ1																		
System Controller, System Controller Lite	● UTY-APGXZ1, UTY-ALGXZ1																		
IR Receiver Unit	● UTY-LRHYB1	● UTY-LBHXD	● UTB-YWC																
Human Sensor Kit	● UTY-SHZXC																		
Remote Sensor Unit	● UTY-XSZX																		
Cassette Grille	● UTG-UKYC-W, UTG-UKYA-B																		
Auto Louver Grille Kit	● UTD-GXA-W, UTD-GXTB-W (18), UTD-GXTC-W (24)																		
Long Life Filter	● UTD-LF25NA, ● UTD-LF60KA																		
Flange	● UTD-SF045T, UTD-RF204																		
Drain Pump Unit	● UTZ-PXTNBA																		
Wide Panel	● UTG-AKXA-W, UTG-AGYA-W																		
Panel Spacer	● UTG-BKXA-W, UTG-BGYA-W																		
Fresh Air Intake Kit	● UTZ-VXAA, ● UTZ-VXRA																		
Air Outlet Shutter Plate	● UTR-YDZB, ● UTR-YDZK																		
Insulation for High Humidity	● UTZ-KXCC, ● UTZ-KXRA, ● UTZ-KXRA																		
Half Concealed Kit	● UTR-STA																		

Interface

Type	Indoor unit																		
	Cassette					Duct				Floor		Ceiling/Floor	Ceiling	Wall Mounted					
	4-way Compact	4-way		Circular Flow		Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure	High Static Pressure	—	EEV external			—	EEV external	—	EEV external	—	
	AUXB 04GBLH, AUXB 18/24 GALH, AUXB 07/09/12/14/18/24 GALH	AUXD 18/24 GALH	AUXA 18/24/30/34/36/45/54GALH	AUXM 018/024/030/034/036/045/054GLAH	AUXK 018/024/030/034/036/045/054GLAH	ARXK 04/07/09/12/14/18/24GCLH	ARXD 04/07/09/12/14/18/24GCLH	ARXA 24/30/36/45GCLH	ARXC36 GBTH, ARXC45/60 GATH	ARXC72/90GBTH, ARXC96 GATH	AGYA 004/007/009/012/014GCAH	AGYE 004/007/009/012/014GCAH	ABYA 12/14/18/24GATH	ABYA 30/36/45/54GATH	ASYA 004/007/009 GTAH	ASYE 004/007/009 GTAH	ASYA 012/014 GACH	ASYE 012/014 GACH	ASYA 18/24 GBCH
Wireless LAN Interface	● UTY-TFSXZ1																		
KNX Converter	● UTY-VKSX																		
MODBUS Converter	● UTY-VMSX																		
External Switch Controller	● UTY-TERX																		

External Input and Output Function/External Connect Kit/Communication Kit

Type	Indoor unit							Outdoor unit				Controller		Other	
	Cassette		Duct		Floor, Floor EEV external	Ceiling/Floor	Ceiling	Wall Mounted, Wall Mounted EEV external	VR-II	V-III	V-III Tropical	V-II	Central Remote Controller	Touch Panel Controller	RB Unit
	4-way Compact, 4-way, Circular Flow	Mini (With drain pump), Slim (With drain pump), Medium Static Pressure, High Static Pressure	VR-II	V-III					V-III Tropical	V-II	UTY-DCGY	UTY-DTGYZ1			
Input	● UTY-XWZXZD, ○ UTY-XWZXZB														
Operation / Stop	● UTY-XWZXZD, ○ UTY-XWZXZB														
All On / All Off	● UTY-XWZXZ7, ○ UTY-XWZXZ8														
Batch Stop	● UTY-XWZXZ6														
Forced Stop	● UTY-XWZXZD, ○ UTY-XWZXZB														
Emergency Stop	● UTY-XWZXZD, ○ UTY-XWZXZB														
Forced Thermostat off	● UTY-XWZXZ6														
Low Noise Mode Operation	● UTY-XWZXZ6														
Cooling/ Heating Priority	● UTY-XWZXZ6														
Outdoor Unit Operation Peak Control	● UTY-XWZXZ6														
Power Usage Information from Electricity Meter	● UTY-XWZXZF														
Output	● UTY-XWZXZC, ○ UTY-XWZXZ6														
Operation Status	● UTY-XWZXZC, ○ UTY-XWZXZ6														
Error Status	● UTY-XWZXZC, ○ UTY-XWZXZ6														
Indoor Unit Fun Operation Status	● UTY-XWZXZC														
Auxiliary Heater Output	● UTY-XWZXZC														
Base Heater	● UTY-XWZXZ9														

*2: 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

Others



Communication system

External Connect Kit

<p>For Indoor unit</p> <p>UTY-XWZXZ7 </p> <p>UTY-XWZXZB </p> <p>UTY-XWZXZC </p>	<p>UTY-XWZXZD </p> <p>UTY-XWZXZE </p>	<p>For Outdoor unit</p> <p>UTY-XWZXZ6 </p> <p>UTY-XWZXZ9 </p> <p>UTY-XWZXZF </p>
<p>For RB unit</p> <p>UTY-XWZXZ6 </p> <p>UTY-XWZXZB </p>	<p>For Central Remote Controller</p> <p>UTY-XWZXZ7 </p> <p>UTY-XWZXZ8 </p> <p>UTY-XWZXZA </p>	<p>For Touch Panel Controller</p> <p>UTY-XWZXZA </p>

For LARGE VRF

Separation Tube

<p>UTP-AX054A</p> <p>Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTP-AX090A</p> <p>Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTP-AX180A</p> <p>Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTP-AX567A</p> <p>Gas Pipe </p> <p>Liquid Pipe </p>
<p>UTP-BX090A</p> <p>Suction Gas Pipe </p> <p>Discharge Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTP-BX180A</p> <p>Suction Gas Pipe </p> <p>Discharge Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTP-BX567A</p> <p>Suction Gas Pipe </p> <p>Discharge Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTP-LX180A</p> <p>For DX-Kit</p>

Header

<p>UTR-H0906L / UTR-H1806L</p> <p>Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTR-H0908L / UTR-H1808L</p> <p>Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTR-J0906A / UTR-J1806A</p> <p>Suction Gas Pipe </p> <p>Discharge Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTP-J0908A / UTP-J1808A</p> <p>Suction Gas Pipe </p> <p>Discharge Gas Pipe </p> <p>Liquid Pipe </p>
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For LARGE VRF

Outdoor Unit Branch Kit

<p>UTP-CX567A</p> <p>Gas Pipe </p> <p>Liquid Pipe </p>	<p>UTP-DX567A</p> <p>Suction Gas Pipe </p> <p>Discharge Gas Pipe </p> <p>Liquid Pipe </p>	
<p>EV Kit</p> <p>Model code ≤ 09 : UTR-EV09XB Model code ≥ 12 : UTR-EV14XB For Compact Wall Mounted type</p>	<p>RB Unit</p> <p>UTP-RX01AH / UTP-RX01BH / UTP-RX01CH Single type</p>	<p>UTP-RX04BH Multi type</p>

Specifications

Separation Tube

Model name	UTP-AX054A	UTP-AX090A	UTP-AX180A	UTP-AX567A
Total cooling capacity of indoor unit (kW)	19.6 or less	28.0 or less	28.1 to 56.0	56.1 or more
Model name	UTP-BX090A	UTP-BX180A	UTP-BX567A	
Total cooling capacity of indoor unit (kW)	28.0 or less	28.1 to 56.0	56.1 or more	

Header

Model name	3-6 Branches	UTR-H0906L	UTR-H1806L
	3-8 Branches	UTR-H0908L	UTR-H1808L
Total cooling capacity of indoor unit (kW)	28.0 or less		28.1 to 56.0
Model name	3-6 Branches	UTP-J0906A	UTP-J1806A
	3-8 Branches	UTP-J0908A	UTP-J1808A
Total cooling capacity of indoor unit (kW)	28.0 or less		28.1 to 56.0

Outdoor unit Branch kit

Model name	UTP-CX567A (for V-II/V-III/V-III Tropical)		UTP-DX567A (for VR-II)	
Number of outdoor unit	2 outdoor units			1
	3 outdoor units			2

EV Kit

Model name	UTR-EV09XB		UTR-EV14XB	
Application model	ASYE004GTAH ASYE007GTAH ASYE009GTAH	AGYE004GCAH AGYE007GCAH AGYE009GCAH	ASYE12GACH ASYE14GACH	AGYE012GCAH AGYE014GCAH

RB Unit

Type	Single type			Multi type
Model name	UTP-RX01AH	UTP-RX01BH	UTP-RX01CH	UTP-RX04BH
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 ≤ 8.0 Q ≤ 18.0 Q ≤ 28.0 Q ≤ 56.1*1			
Maximum capacity of connectable indoor units per branch (Q)	kW Q ≤ 8.0 Q ≤ 18.0 Q ≤ 28.0 Q ≤ 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

*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.



RESIDENTIAL

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OPTIONAL PARTS

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RESIDENTIAL SOLUTIONS



HOUSING

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

HOUSING

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

Various indoor units suitable for the characteristics of each room



1 For Large Living Rooms
Comfortable in every corner even in large living rooms and unusually shaped rooms



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



3 Easy Installation
Installation with an emphasis on the interior is possible without overly lowering the ceiling.



4 For Small Space
Flexible installation is possible in bedrooms and rooms where you don't want to hang on the wall.



5 For Bed Room or Home Office
High performance and compact design model for compact spaces such as bed room or home office.



For LARGE APARTMENT

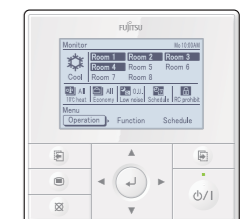
For HOUSE



Outdoor units suitable for residential environments



6 5-6 Rooms Multi
Lineup of multi type for air conditioning from 2 rooms to 6 rooms with one outdoor unit in apartments where it is difficult to secure space for the installation of outdoor units



7 Central Remote Controller For 5-6 & 8 Rooms Multi
Up to 8 units can be controlled with a residential home controller. Of course, individual control is also possible.

CORE TECHNOLOGY

High Efficiency

Optimized Inverter Control

i-PAM (IPM*+PAM) inverter control
 i-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform. This promotes the effective use of the input power supply to attain high performance.
IPM*: Intelligent Power Module

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



All DC Inverter Technology

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

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

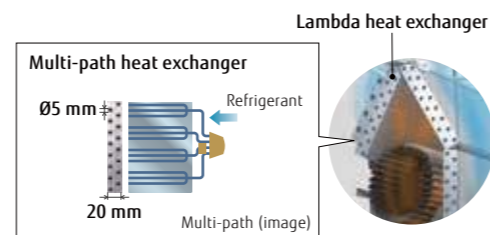
Sine-wave DC inverter control
 High efficiency operation is realized by using a sine wave DC inverter control.



High Efficiency Heat Exchanger

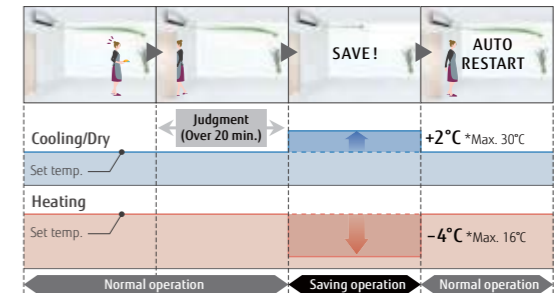
High density multi-path heat exchanger
 Heat exchange performance is substantially improved by thin and high-density heat exchanger and multi-path efficiency technology.

High performance sub-cool heat exchanger
 Higher performance achieved by mounting of counter type bypass circuit. (Large multi type, VRF)

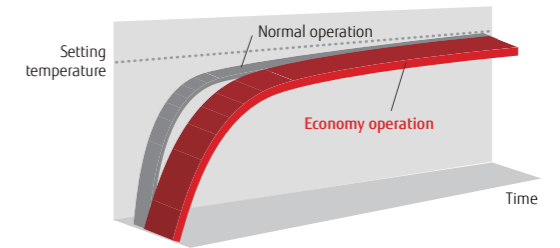


High Energy Saving

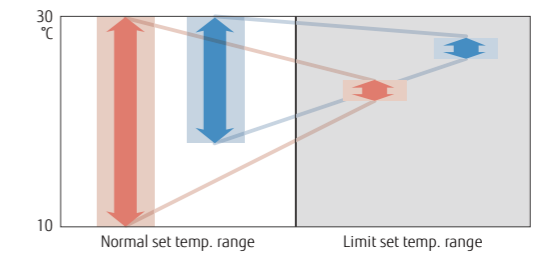
Human sensor control
 Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room.
 When people come back to the room, it automatically returns to the previous operating mode.



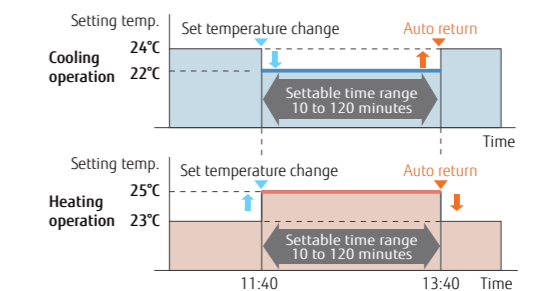
Economy operation
 Limits the maximum operation current, and the power consumption is cut down and the maximum load is suppressed.



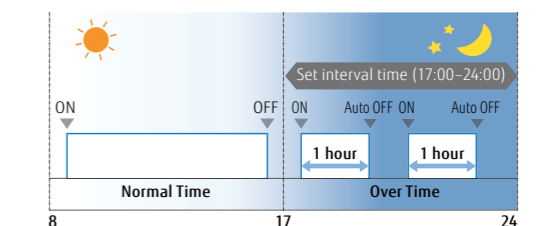
Room temperature set point limitation
 The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.

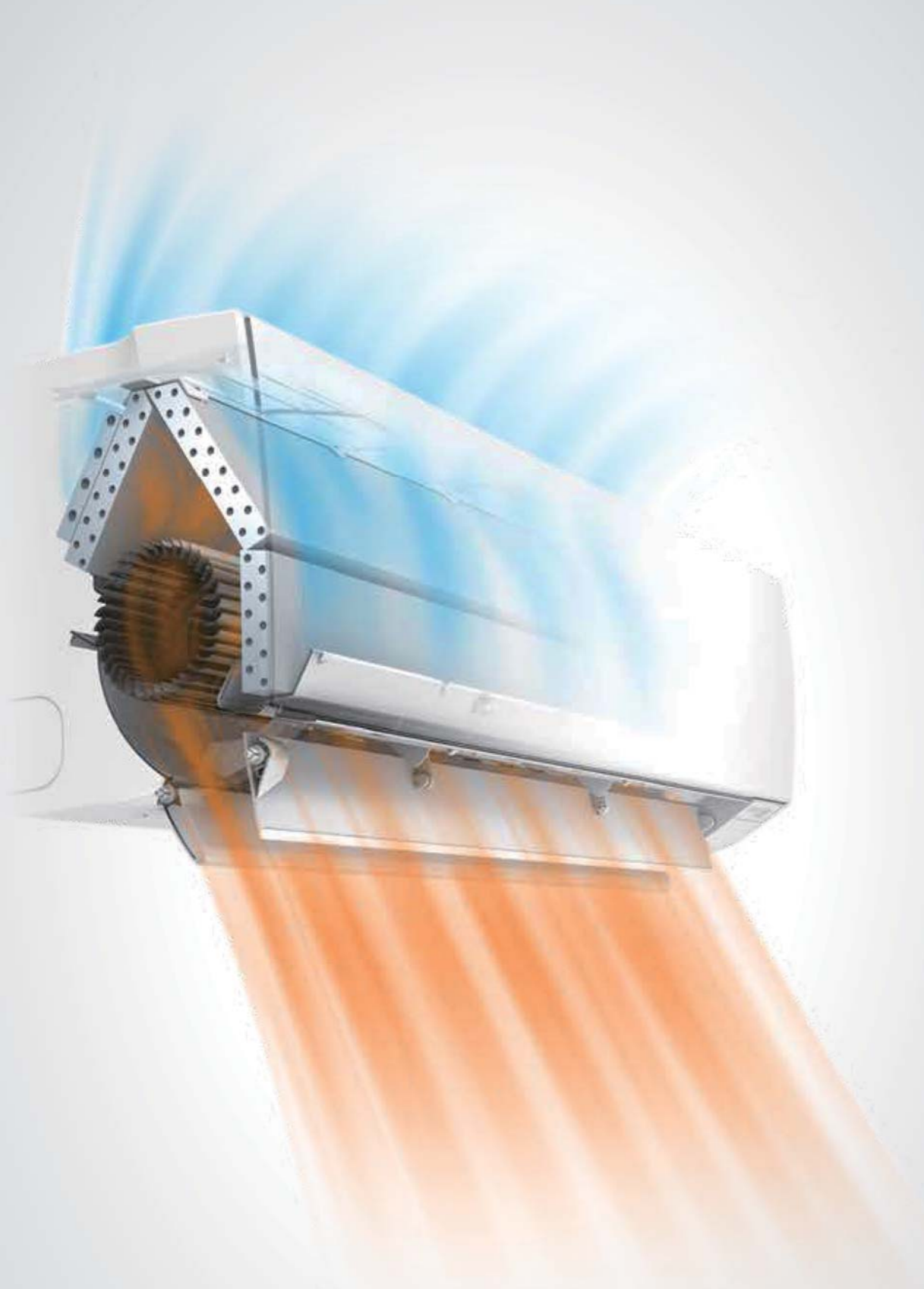


Set temperature auto return
 • The setting temperature automatically returns to the previous setting temperature.
 • The time range in which the set temperature can be changed is 10 to 120 minutes.



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





Powerful Heating



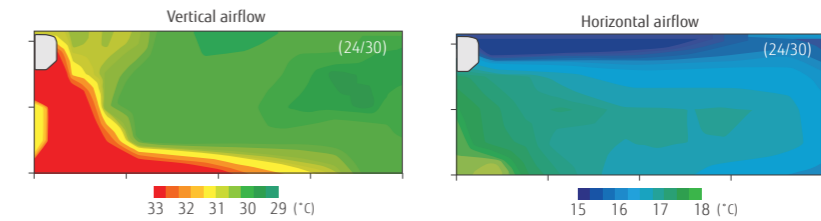
High heating capacity is realized even at low outdoor temperature by mounting a large heat exchanger or large DC rotary compressor and developing high performance inverter PCB

Quick Comfort



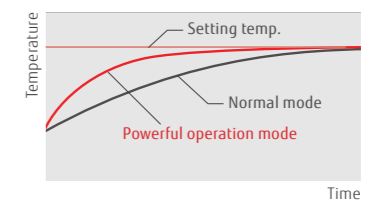
Power diffuser

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



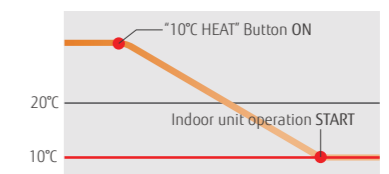
Powerful operation

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



10°C Heat operation

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

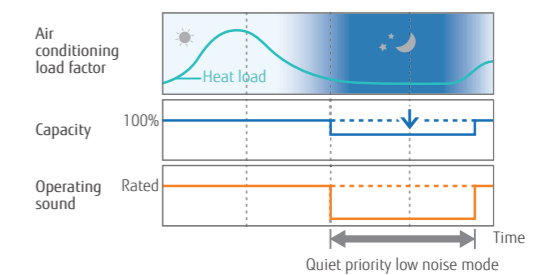


Quiet and Comfort Control



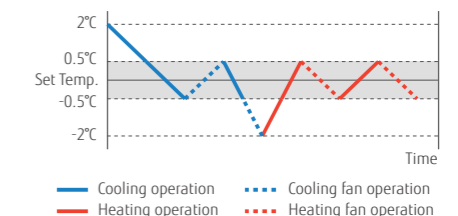
Outdoor unit low noise operation

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



Auto-changeover function

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



SPLIT

For Residential



SPLIT

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- 166 Wall Mounted Flagship Range Series
- nocria X**
- 168 Wall Mounted Designer Range Series
 - High Spec & Design
 - High COP
- 174 Wall Mounted Standard Range Series
 - High Efficiency & Comfort
 - Comfort for Large Room
- 178 Wall Mounted ECO Range Series
- 180 Floor
- 182 Mini Duct
- 184 Slim Duct



SPLIT Indoor Units



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

Type	Series	BTU						
		7	9	12	14	18	24	30
NEW Flagship Range Series nocria X Page 166								
NEW Designer Range Series High Spec & Design Page 168								
Designer Range Series High Spec & Design Page 170								
Designer Range Series High COP Page 172								
NEW Standard Range Series High Efficiency & Comfort Page 174								
Standard Range Series Comfort for Large Room Page 176								
NEW ECO Range Series Compact & Comfort Page 178								
Floor Compact & Comfort Page 180								
NEW Mini Duct Page 182								
Slim Duct Page 184								

SPLIT and MULTI SPLIT Feature Explanation

Energy Saving Function

- Dual side fans**
The comfortable space can be created with Hybrid Airflow, which combines different temperatures of air current and velocities.
- Save human sensor**
Human sensor detects the movement of people in the room and judges whether the energy saving operation.
- Economy mode**
Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.
- Room temperature set point limitation**
The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.
- Set temperature auto return**
The setting temperature automatically returns to the previously set temperature.

Comfortable Function

- Powerful heating**
Keeping the rated heating capacity even when the outdoor ambient temperature is -7°C.
- Power diffuser**
An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.
- Powerful mode**
Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.
- 10°C HEAT operation**
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.
- Low noise mode**
Sound noise level of outdoor unit can be selected.
- Auto-changeover**
The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- Up/down swing flaps**
The up/down flaps automatically swing up and down.
- Double swing automatic**
Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.
- Automatic fan speed**
The micro-computer automatically adjusts the airflow effectively to follow the changes of room temperature.
- Auto restart**
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once power supply is restored.
- Fresh air intake**
Fresh air can be taken in by a fan which can be connected using external control unit.

Convenient Function

- Auto off timer**
Automatically stops operation when a fixed time has elapsed from the start of operation.
- Sleep timer**
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
- Program timer**
This digital timer allows selection of one of four options: ON, OFF, ON + OFF or OFF + ON.
- Weekly timer**
Different ON-OFF times can be set for each day.
- Weekly + setback timer**
Weekly + Setback timer can set temperature for two times spans and for each day of the week.
- Filter sign**
Indicates the filter cleaning period by lamp.
- External error output**
- External ON/OFF input**
- Wireless LAN control**
The exclusive 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 and can be always maintained clean.
- Filter auto clean**
The dust collected by the air filter is automatically removed. A routine disposal of the dust stored in the dust box is necessary.
- Ion deodorization filter**
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.
- Apple-catechin filter**
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.
- Washable panel**
Since the front panel is easy to remove, maintenance is also easy.

Installation

- Drain pump as standard**
- Blue fin**

- ALL DC** All DC models
- i-PAM** 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** 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.

SPLIT and MULTI SPLIT Feature Summary



Type	Wall Mounted							Floor	Duct	
	Flagship Range	Designer Range			Standard Range	ECO Range	Mini (With drain pump)		Slim (With drain pump)	
Model No.	ASYG09/12 KXCA	ASYG07/09/12/14KGTA	ASYG09/12 LTCA	ASYG07/09/12/14LUCA	ASYG07/09/12/14LMCE	ASYG18/30 LFCA, ASYG24LFCC	ASYG07/09/12LLCE	AGYG09/12/14LVCA	ARYG12/14/18LSLAP	ARYG12/14/18LLTB
Energy Saving Function	Dual side fans	●								
	Save human sensor	●	●	●						
	Economy mode	●	●	●	●	●	●	●	●	●
	Room temperature set point limitation		○	○	○	○	○		○	○
	Set temperature auto return		○	○	○	○	○		○	○
Comfortable Function	Powerful heating			●						
	Power diffuser	●				●	●			
	Powerful mode	●	●	●	●	●	●			
	10°C HEAT operation	●	●	●	●	●	●	●	○	○
	Low noise mode	●	●	●	●	●	●			
	Auto-changeover	●	●	●	●	●	●	●	●	●
	Up/down swing flaps		●	●	●	●	●	●	○	○
	Double swing automatic	●					●			
	Automatic fan speed	●	●	●	●	●	●	●	●	●
	Auto restart	●	●	●	●	●	●	●	●	●
Convenient Function	Fresh air intake									○
	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 deodorization filter		○	●	●	●	●		●	
	Apple-catechin filter		○	●	●	●	●		●	
	Washable panel					●	●	●	●	
Installation	Drain pump as standard								●	●
	Blue fin						(30)			

○: Optional function



Features

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.

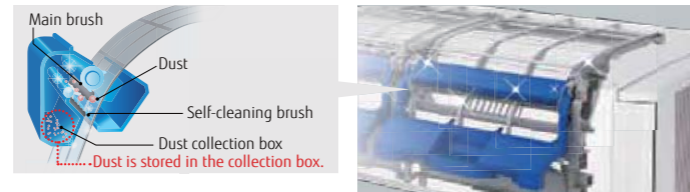


*1: Announced 2012. In room air conditioner for the home (Our company's investigation)

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.

Rank **A+++** SEER **8.5** *3 SCOP **5.1** *3
 *3: All classes



Model: ASYG09KXCA / ASYG12KXCA

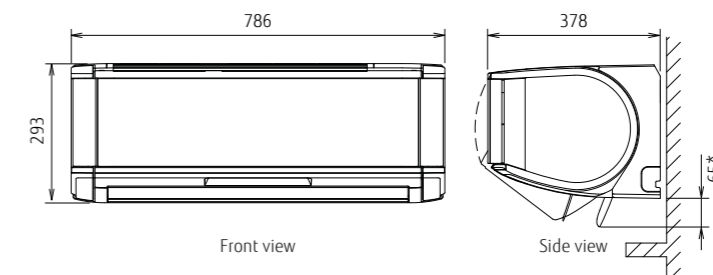


Specifications

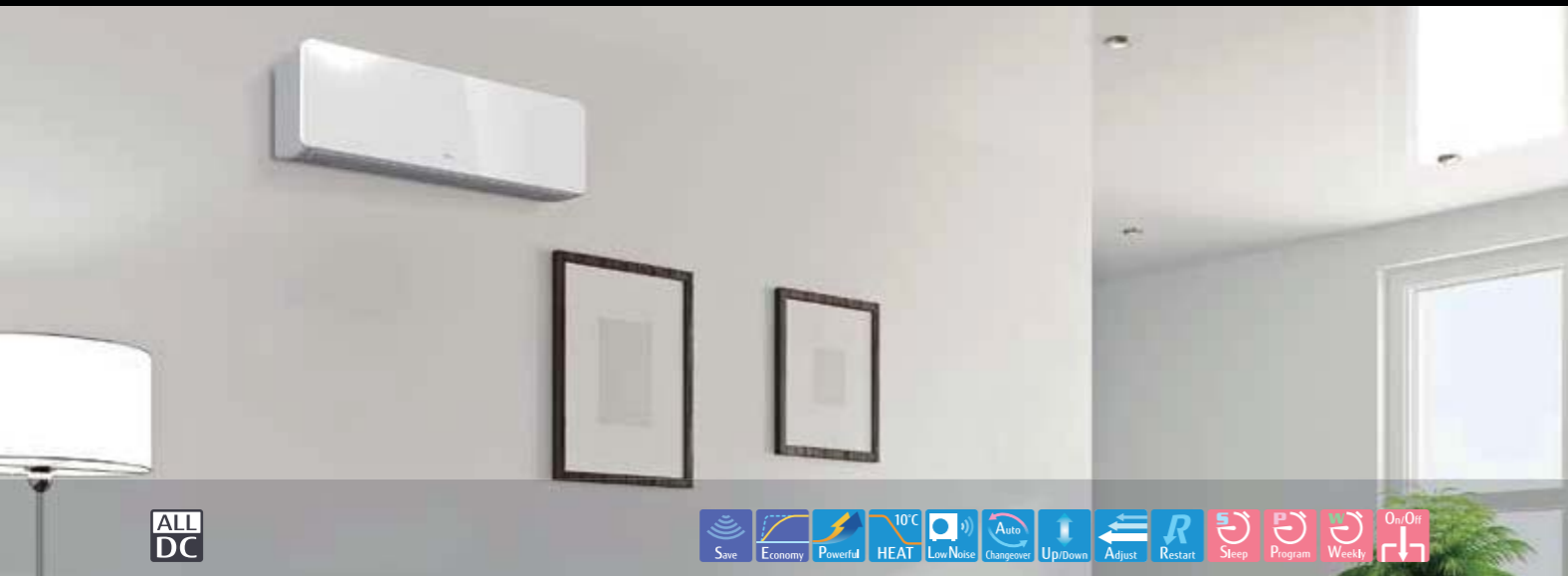
Model No.	Indoor unit		Outdoor unit		ASYG09KXCA	ASYG12KXCA
	Indoor unit		Outdoor unit		AOYG09KXCA	AOYG12KXCA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			2.5 (0.6-3.5)	3.4 (0.6-5.3)
	Heating	kW			3.6 (0.6-7.1)	5.0 (0.6-9.0)
Input Power	Cooling/Heating		kW		0.460/0.630	0.670/1.020
EER	Cooling		W/W		5.45	5.09
COP	Heating		W/W		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)		W/W		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		kWh/a		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
	Outdoor(Cooling/Heating)	High	dB(A)		40/41	44/43
Sound Power Level	Indoor(Cooling/Heating)	High			58/62	58/62
	Outdoor(Cooling/Heating)	High			53/57	57/57
	Indoor / Outdoor (Cooling)	High	m³/h		670/1,975	670/2,230
Airflow Rate	Indoor / Outdoor (Heating)	High	m³/h		810/1,820	810/1,975
	Indoor		mm		293×786×378	
Net Dimensions	Indoor		kg(lbs)		20 (44)	
	Outdoor		mm		704×820×315	
H x W x D	Outdoor		kg(lbs)		41 (90)	
	Outdoor		kg(lbs)		6.35/9.52	
Connection Pipe Diameter (Liquid / Gas)			mm		13.8 / 15.8 to 16.7	
Drain hose Diameter (I.D./O.D.)			mm		15 (15)	
Max Pipe Length (Pre-Charge)			m		10	
Max Height Difference			°CDB		-10 to 43	
Operation Range	Cooling				-15 to 24	
	Heating				R32 (675)	
Refrigerant	Type (Global Warming Potential)				1.30 (0.9)	
	Charge		kg(CO2eq-T)			

Dimensions

(Unit : mm)



*Dimensions in case of air flowing downward



Features

Slim & stylish square design

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

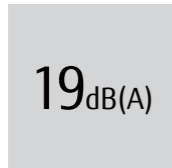


High seasonal efficiency

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.



Silent model



Smartphone Control (Option)

Easy air conditioner control from inside or outside the house and office using the Smartphones, Tablets, and PC. (Supplied loose as standard for site installation).



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	2.0	2.5	3.4	4.2
	Heating	kW	2.5	2.8	4.0	5.4
Input Power	Cooling/Heating		0.440/0.500	0.555/0.560	0.805/0.990	1.179/1.350
	Cooling	W/W	4.55	4.50	4.22	3.57
COP	Heating		5.00	5.00	4.04	4.00
	Cooling/Heating(-10°C)		2.00/2.30	2.50/2.40	3.40/2.50	4.20/4.00
SEER	Cooling	W/W	8.50	8.50	8.50	7.10
SCOP	Heating (Average)		5.10	5.10	5.10	4.30
Energy Efficiency Class	Cooling		A+++	A+++	A+++	A++
	Heating (Average)		A+++	A+++	A+++	A+
Max. Operating Current	Cooling/Heating		A			
Annual Energy Consumption	Cooling		kWh/a			
	Heating		kWh/a			
Moisture Removal	Indoor / Outdoor		l/h			
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/ / / /			
	Indoor (Heating)	H/M/L/Q	43/ / / /			
	Outdoor (Cooling/Heating)	High	43/ / / /			
Sound Power Level	Indoor (Cooling/Heating)	High	dB(A)			
	Indoor (Cooling/Heating)	High	dB(A)			
	Outdoor (Cooling/Heating)	High	dB(A)			
Airflow Rate	Indoor / Outdoor	High	m³/h			
Net Dimensions	Indoor		mm			
	H x W x D		kg(lbs)			
Weight	Outdoor		mm			
	H x W x D		kg(lbs)			
Connection Pipe Diameter (Liquid / Gas)			mm			
Drain hose Diameter (I.D./O.D.)			mm			
Max Pipe Length (Pre-Charge)			m			
Max Height Difference			m			
Operation Range	Cooling		°CDB			
	Heating		°CDB			
Refrigerant	Type (Global Warming Potential)		R32 ()	R32 ()	R32 ()	R32 ()
	Charge		kg(CO2eq-T)	0.77 (0.5)	0.77 (0.5)	0.89 (0.6)

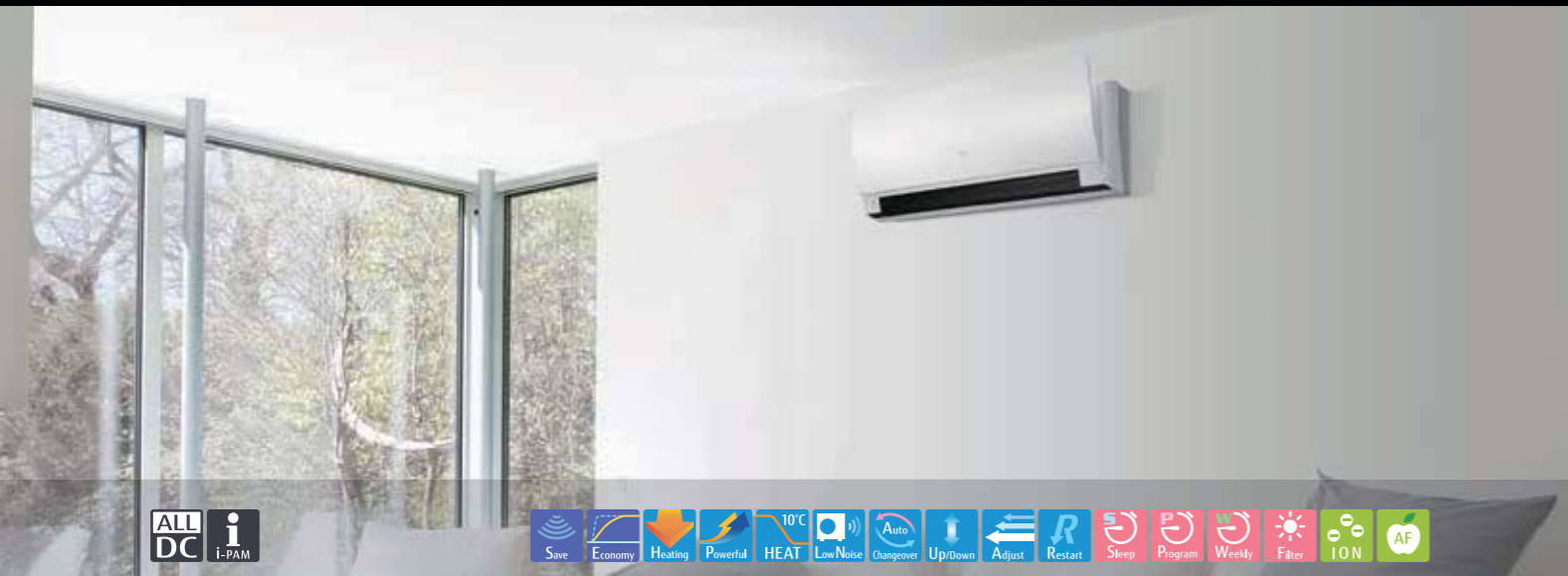
Optional parts

- Wired Remote Controller: UTY-RNRYZ2, UTY-RLRY
- Simple Remote Controller: UTY-RSNYM
- Communication kit: UTY-XCBXZ2

Dimensions

(Unit : mm)

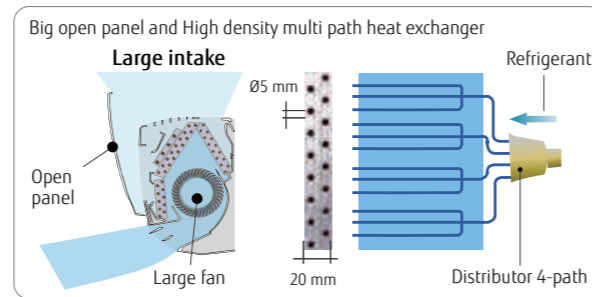
Wall Mounted Designer Range High Spec & Design



Features

Thin & Slim design

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



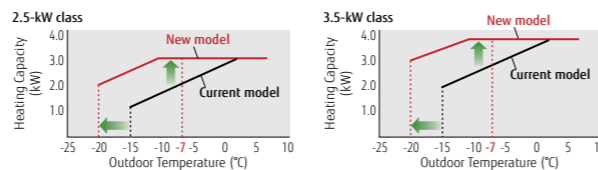
Human sensor

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.

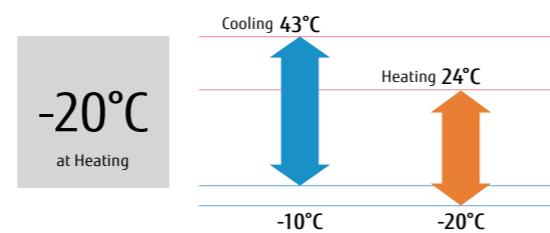


3 Mode timer (Weekly/Program/Sleep)

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



Specifications

Model No.	Indoor unit		Outdoor unit		ASYG09LTCA	ASYG12LT CA
	AOYG09LTC		AOYG12LTC			
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			2.5 (0.9-3.5)	3.5 (1.1-4.0)
	Heating				3.2 (0.9-5.4)	4.0 (0.9-6.5)
Input Power	Cooling/Heating	kW			0.505/0.660	0.850/0.910
EER	Cooling				4.95	4.12
	Heating	W/W			4.85	4.40
Pdesign	Cooling/Heating(-10°C)	kW			2.5/3.0	3.5/4.0
SEER	Cooling				8.50	8.50
SCOP	Heating (Average)	W/W			4.60	4.60
Energy Efficiency Class	Cooling				A+++	A+++
	Heating (Average)				A++	A++
Max. Operating Current	Cooling/Heating	A			6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling	kWh/a			103	144
	Heating				912	1217
Moisture Removal		l/h			1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q			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	dB(A)		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	800/1,700	850/2,050
Net Dimensions	Indoor	H x W x D	mm		282×870×185	282×870×185
			kg(lbs)		9.5 (21)	9.5 (21)
Weight	Outdoor	H x W x D	mm		540×790×290	620×790×290
			kg(lbs)		33 (73)	40 (88)
Connection Pipe Diameter (Liquid / Gas)		mm			6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)		mm			13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m			20 (15)	20 (15)
Max Height Difference					15	15
Operation Range	Cooling	°CDB			-10 to 43	-10 to 43
	Heating				-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)				R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)			1.05 (2.2)	1.20 (2.5)

Optional parts

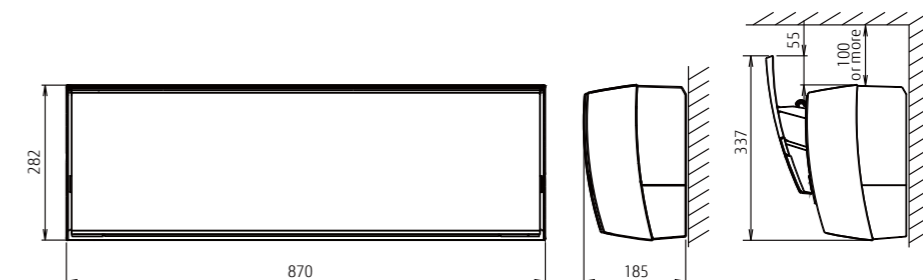
Wired Remote Controller: UTY-RNNYM / UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Communication kit: UTY-TWBXF

Dimensions

(Unit : mm)



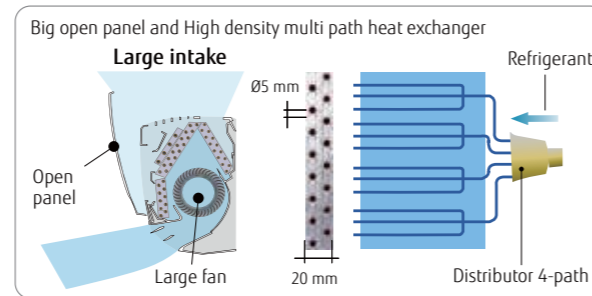
Wall Mounted Designer Range High COP



Features

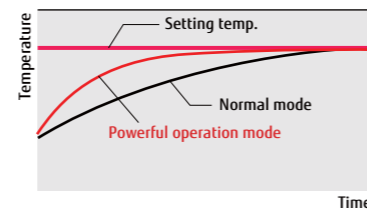
Thin & Slim design

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



Powerful operation

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



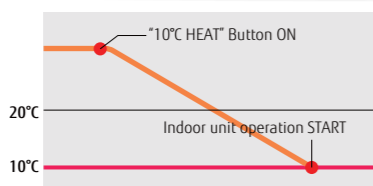
3 Mode timer (Weekly/Program/Sleep)

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.

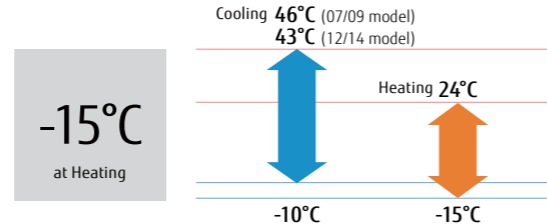


10°C HEAT Operation

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



Specifications

Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
	Outdoor unit		AOYG07LUCB	AOYG09LUCB	AOYG12LUC	AOYG14LUC
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating	kW	3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)
Input Power	Cooling/Heating	kW	0.460/0.740	0.555/0.680	0.905/0.930	1.235/1.380
EER	Cooling	W/W	4.35	4.50	3.87	3.40
COP	Heating	W/W	4.05	4.71	4.30	3.91
	Cooling/Heating(-10°C)	kW	2.0/2.6	2.5/2.8	3.5/3.9	4.2/4.8
SEER	Cooling	W/W	7.20	7.10	7.05	6.78
SCOP	Heating (Average)	W/W	4.02	4.10	4.00	4.00
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling	kWh/a	97	123	174	217
	Heating	kWh/a	887	956	1363	1677
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
	Indoor (Heating)	H/M/L/Q	38/35/31/21	42/37/32/21	43/38/32/21	45/40/34/27
	Outdoor (Cooling/Heating)	High	46/46	48/48	50/50	50/50
Sound Power Level	Indoor (Cooling/Heating)	High	57/59	59/61	60/62	60/64
	Outdoor (Cooling/Heating)	High	58/58	60/60	65/65	65/65
Airflow Rate	Indoor / Outdoor	High	680/1,720	800/1,720	850/1,940	900/1,940
Net Dimensions H x W x D	Indoor	mm	282×870×185	282×870×185	282×870×185	282×870×185
	Outdoor	mm	540×660×290	540×660×290	540×790×290	540×790×290
Weight	Indoor	kg (lbs)	23 (51)	25 (55)	33 (73)	34 (75)
	Outdoor	kg (lbs)	23 (51)	25 (55)	33 (73)	34 (75)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference		m	15	15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 43	-10 to 43
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	0.70 (1.5)	0.85 (1.8)	1.05 (2.2)	1.05 (2.2)

Optional parts

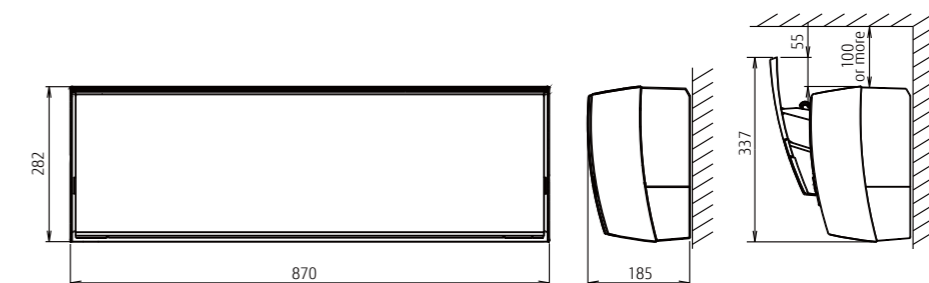
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

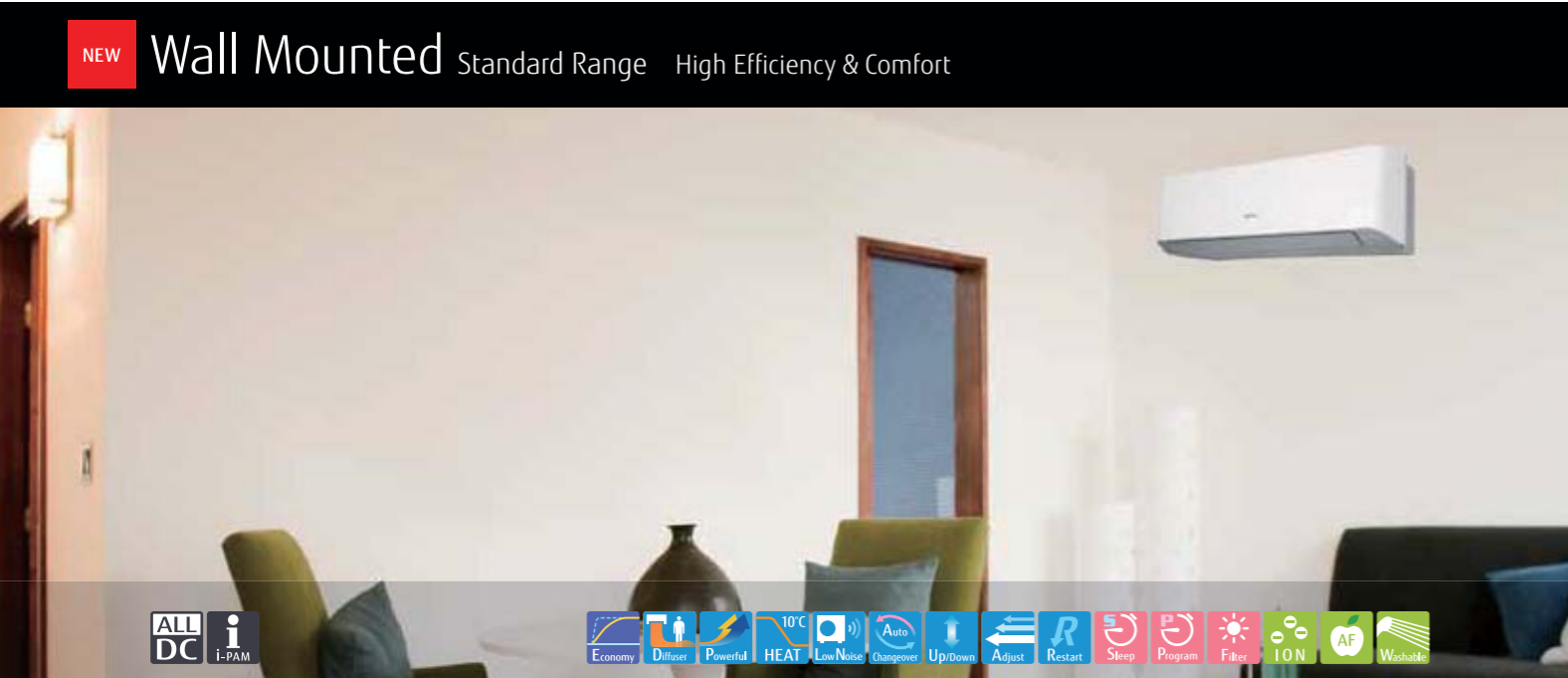
Simple Remote Controller: UTY-RSNYM

Communication kit: UTY-TWBXF

Dimensions

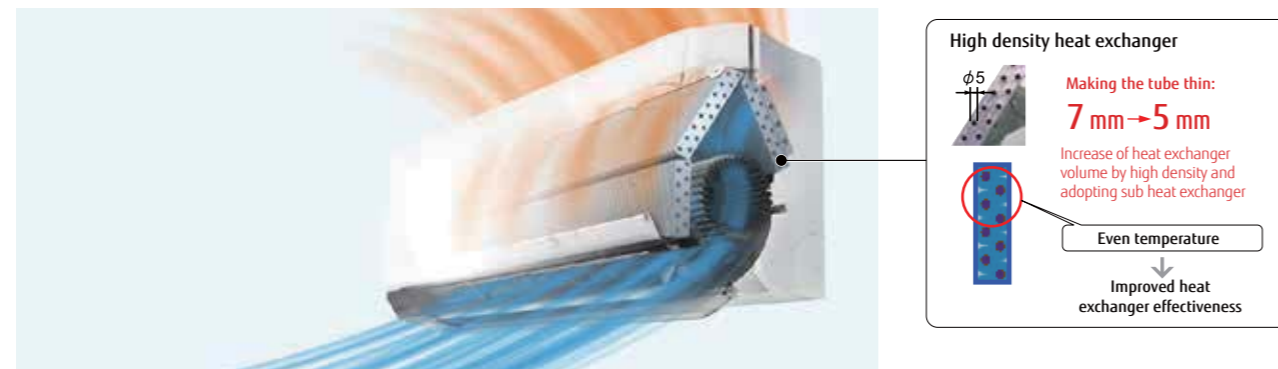
(Unit : mm)





Features

High efficient compact design



More comfort airflow

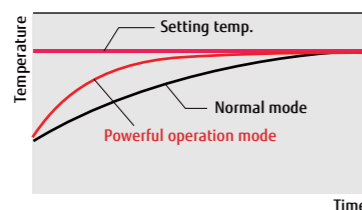


Vertical airflow provides powerful floor level heating

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

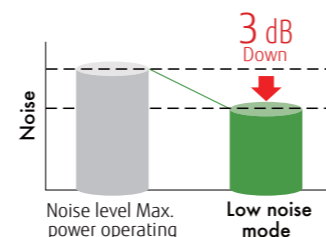
Powerful operation

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



Specifications

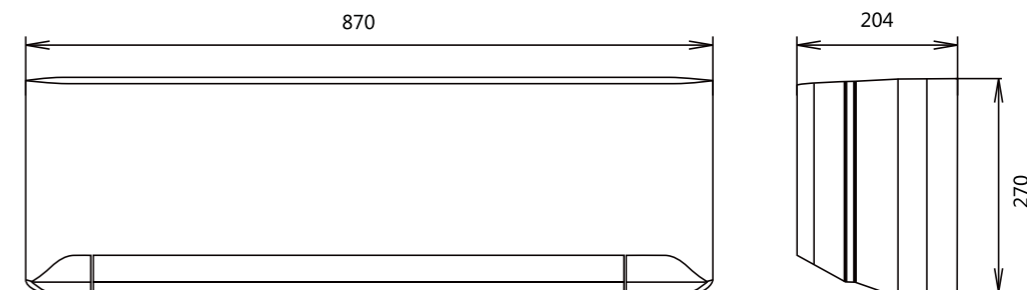
Model No.	Indoor unit		ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
	Outdoor unit		AOYG07LMCE	AOYG09LMCE	AOYG12LMCE	AOYG14LMCE
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0(0.5-3.0)	2.5(0.5-3.2)	3.4(0.9-3.9)	4.0(0.9-4.4)
	Heating	kW	3.0(0.5-3.4)	3.2(0.5-4.0)	4.0(0.9-5.3)	5.0(0.9-6.0)
Input Power	Cooling/Heating		0.465/0.685	0.65/0.73	0.97/1.02	1.135/1.365
EER	Cooling		4.30	3.85	3.50	3.52
COP	Heating		4.38	4.38	3.92	3.66
	Cooling/Heating(-10°C)		2.0/2.3	2.5/2.4	3.4/3.5	4.0/3.9
SEER	Cooling		6.80	7.00	7.00	6.90
SCOP	Heating (Average)		4.10	4.10	4.00	4.00
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		103	125	170	203
	Heating		786	820	1225	1365
Moisture Removal			1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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	750/1670	750/1670	750/1830	750/1800
Net Dimensions H x W x D	Indoor	mm	270×870×204	270×870×204	270×870×204	270×870×204
		kg(lbs)	8.5(19)	8.5(19)	8.5(19)	8.5(19)
Weight	Outdoor	mm	535×663×293	535×663×293	535×663×293	540×790×290
		kg(lbs)	21(46)	21(46)	26(57)	34(75)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			20(15)	20(15)	20(15)	20(15)
Max Height Difference			15	15	15	15
Operation Range	Cooling		-10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A(2,088)	R410A(2,088)	R410A(2,088)	R410A(2,088)
	Charge		0.70 (1.5)	0.70 (1.5)	0.85 (1.8)	1.05 (2.2)

Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Communication kit: UTY-XCBX22

Dimensions

(Unit : mm)

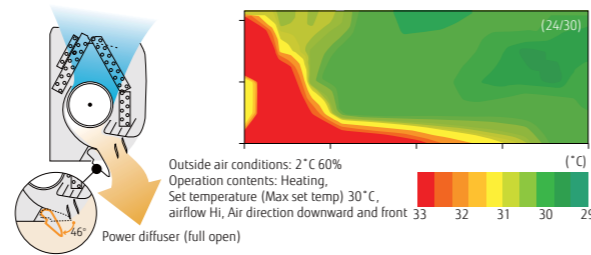


Wall Mounted Standard Range Comfort for Large Room

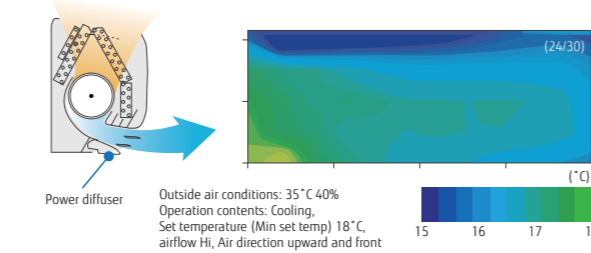


Features

“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

ION Ion Deodorization Filter

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

AF Apple-catechin Filter

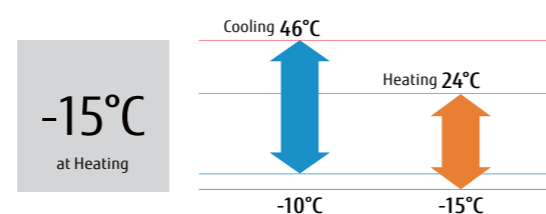
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.

Using different filters at both sides

Flexible Installation

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

Low ambient operation



Model: ASYG18LFCA / ASYG24LFCC / ASYG30LFCA



Specifications

Model No.	Indoor unit		ASYG18LFCA	ASYG24LFCC	ASYG30LFCA
	Outdoor unit		AOYG18LFC	AOYG24LFC	AOYG30LFT
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	5.2 (0.9-6.0)	7.1 (0.9-8.0)	8.0 (2.9-9.0)
	Heating	kW	6.3 (0.9-9.1)	8.0 (0.9-10.6)	8.8 (2.2-11.0)
Input Power	Cooling/Heating		1.52/1.71	2.20/2.21	2.49/2.44
EER	Cooling	W/W	3.42	3.23	3.21
	Heating	W/W	3.68	3.61	3.61
Pdesign	Cooling/Heating(-10°C)		5.2/5.9	7.1/7.1	8.0/8.0
SEER	Cooling	W/W	6.94	6.11	5.69
	Heating (Average)	W/W	3.87	3.80	3.80
Energy Efficiency Class	Cooling		A++	A++	A+
	Heating (Average)		A	A	A
Max. Operating Current	Cooling/Heating		9.0/12.5	13.5/18.5	17.0/19.0
Annual Energy Consumption	Cooling	kWh/a	262	406	492
	Heating	kWh/a	2130	2610	2941
Moisture Removal			2.6	2.7	3.2
	Indoor (Cooling)	H/M/L/Q	43/37/33/26	49/42/37/32	48/42/37/33
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	42/37/33/25	48/42/37/32	49/42/37/33
	Outdoor(Cooling/Heating)	High	50/51	55/56	53/56
Sound Power Level	Indoor(Cooling/Heating)	High	58/58	64/64	64/64
	Outdoor(Cooling/Heating)	High	65/-	68/-	68/-
Airflow Rate	Indoor / Outdoor	High	900/2150	1120/2460	1100/3600
	H x W x D		mm	320×998×238	320×998×238
Net Dimensions	Indoor		kg(lbs)	14 (31)	14 (31)
	Outdoor		mm	620×790×290	620×790×290
Weight	Indoor		kg(lbs)	41 (90)	41 (90)
	Outdoor		kg(lbs)	41 (90)	61 (135)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.7	6.35/15.88
Drain hose Diameter (I.D./O.D.)			mm	12/16	12/16
Max Pipe Length (Pre-Charge)			m	25 (15)	30 (15)
Max Height Difference			m	20	30
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.20 (2.5)	1.80 (3.8)	2.1 (4.4)

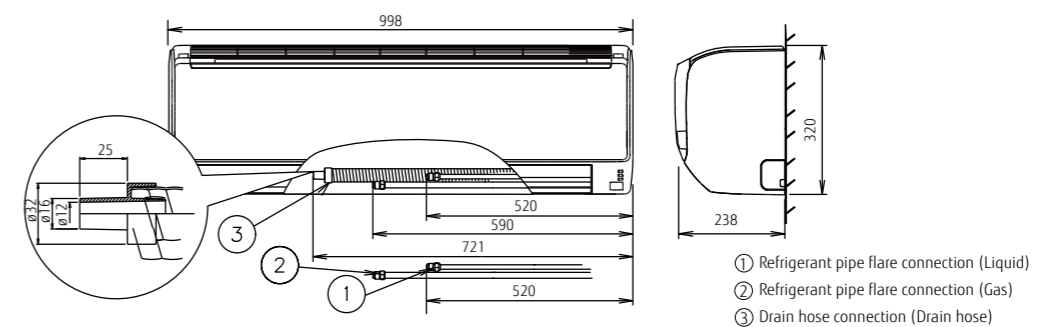
Optional parts

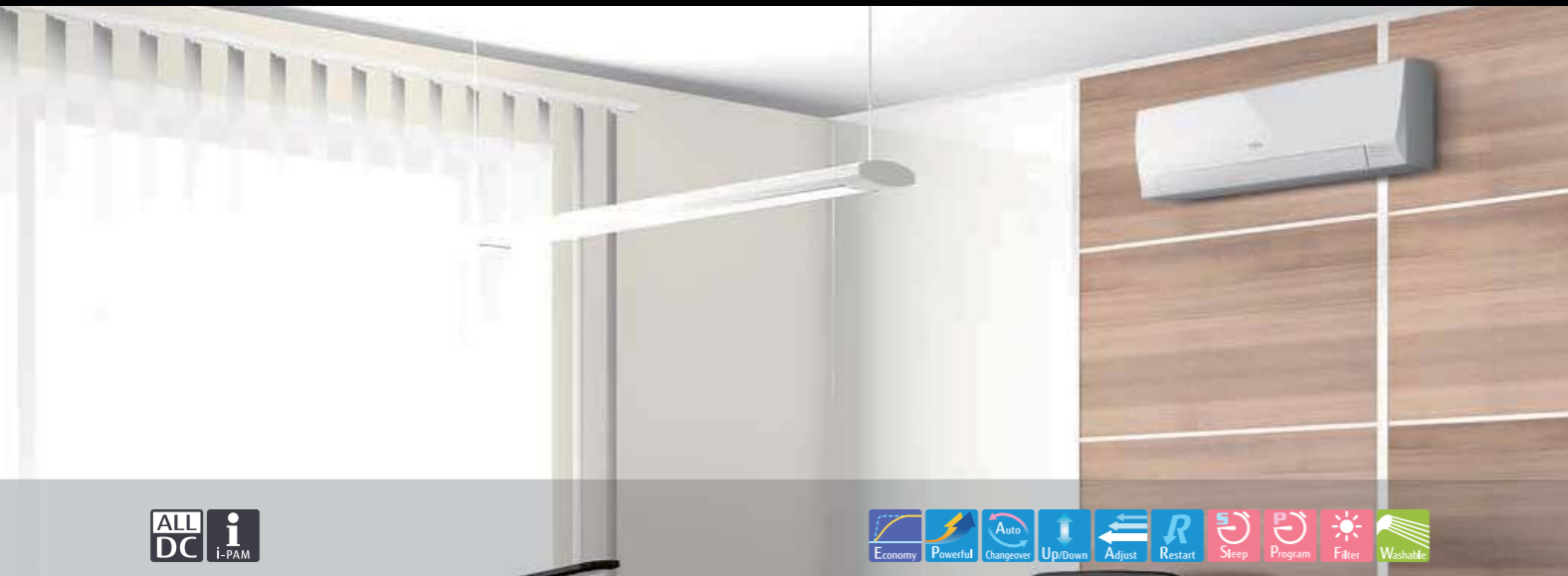
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Dimensions

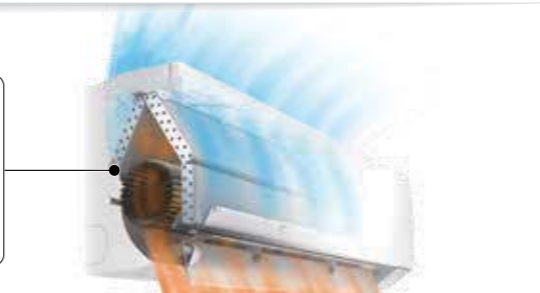
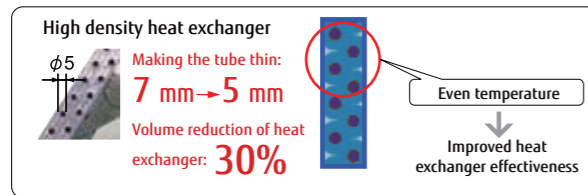
(Unit : mm)





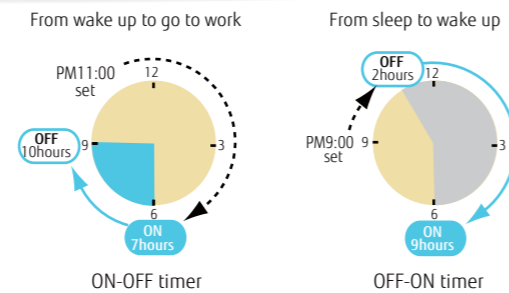
Features

High efficient compact design



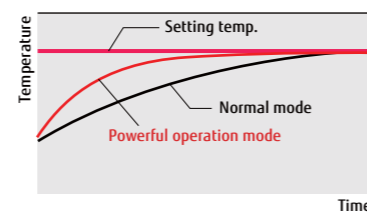
ON-OFF Programmable timer

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)



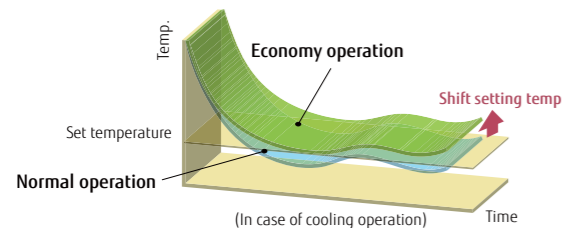
Powerful operation

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

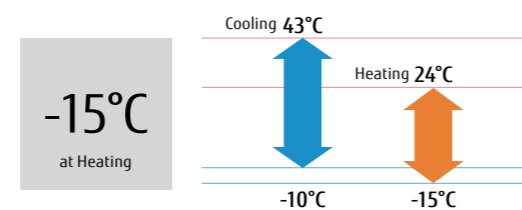


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation



Model: ASYG07LLCE / ASYG09LLCE / ASYG12LLCE



Specifications

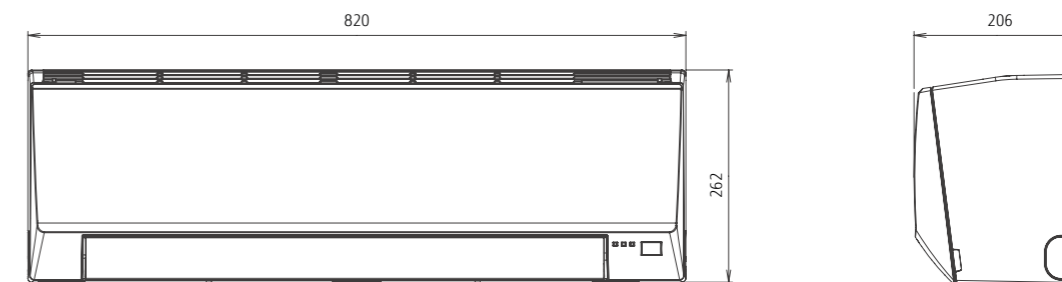
Model No.	Indoor unit		ASYG07LLCE	ASYG09LLCE	ASYG12LLCE
	Outdoor unit		AOYG07LLCE	AOYG09LLCE	AOYG12LLCE
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.0(0.9-2.8)	2.5(0.9-3.0)	3.4(0.9-3.8)
	Heating	kW	2.7(0.9-3.6)	3.0(0.9-3.8)	4.0(0.9-5.0)
Input Power	Cooling/Heating		0.470/0.620	0.730-0.740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

Optional parts

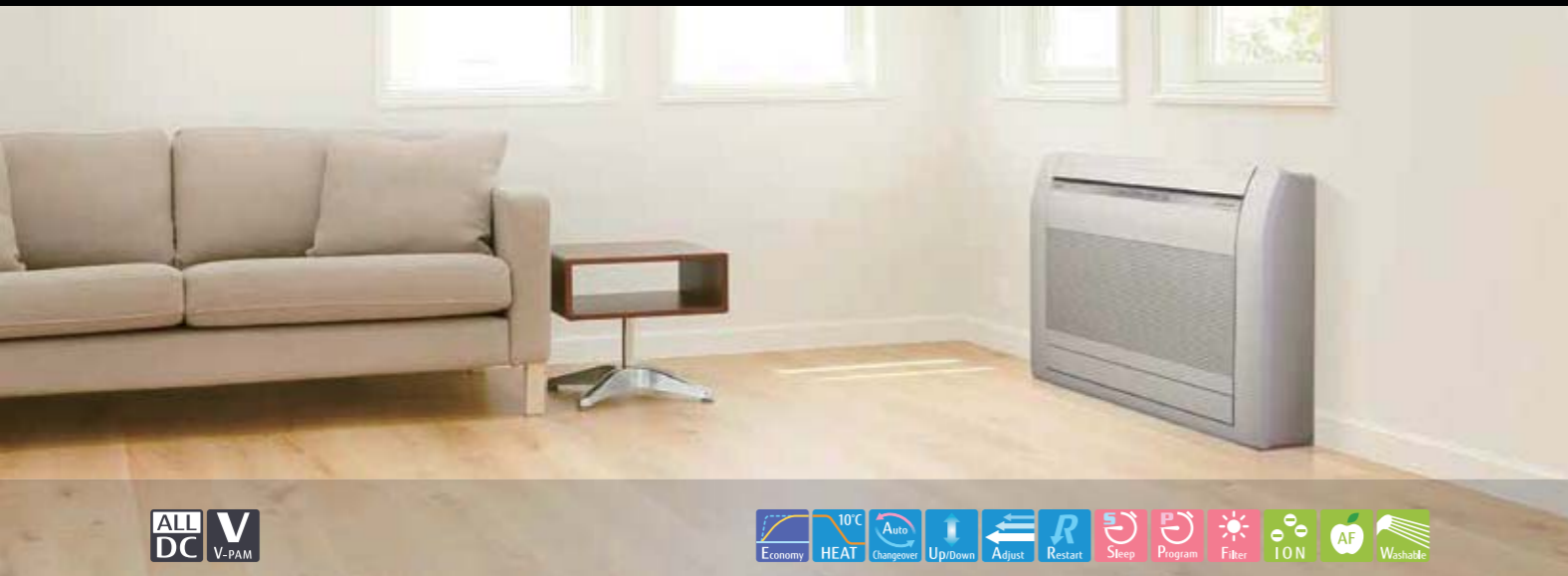
Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



Floor Compact & Comfort



Features

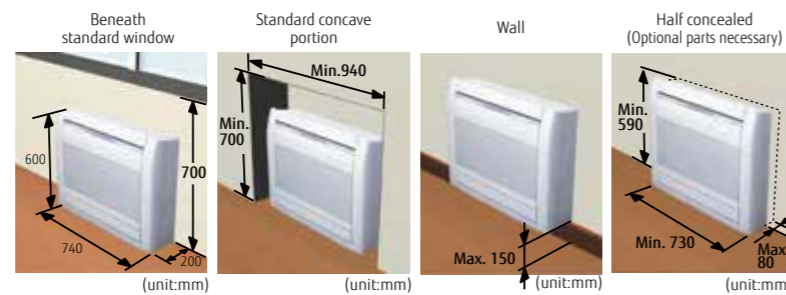
2-Fan & Wide airflow

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



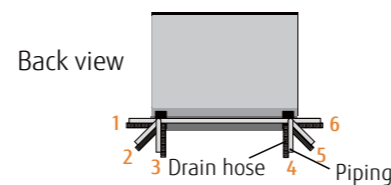
Flexible & easy installation

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



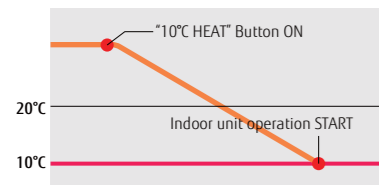
Flexible piping connection 6 direction of drain & piping

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

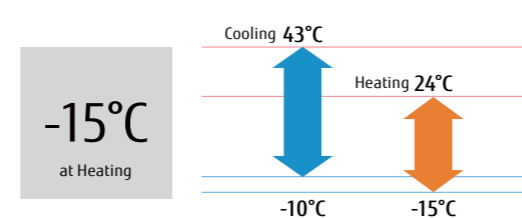


10°C HEAT Operation

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



Low ambient operation



Model: AGYG09LVCA / AGYG12LVCA / AGYG14LVCA



Specifications

Model No.	Indoor unit		AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
	Outdoor unit		AOYG09LVCA	AOYG12LVCA	AOYG14LVCA
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.6 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating	kW	3.5 (0.9-5.5)	4.5 (0.9-6.6)	5.2 (0.9-8.0)
Input Power	Cooling/Heating	kW	0.53/0.79	0.94/1.19	1.14/1.44
EER	Cooling	W/W	4.91	3.72	3.68
	Heating	W/W	4.43	3.78	3.61
Pdesign	Cooling/Heating(-10°C)	kW	2.6/2.9	3.5/3.8	4.2/4.7
SEER	Cooling	W/W	7.00	6.50	6.40
	Heating (Average)	W/W	4.20	4.00	4.00
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A+
Max. Operating Current	Cooling/Heating	A	7.0/10.0	7.0/10.0	9.0/13.5
	Cooling	kWh/a	130	188	230
Annual Energy Consumption	Heating	kWh/a	967	1330	1645
	Moisture Removal	l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q	40/35/29/22	40/35/29/22	43/37/29/22
	Outdoor(Cooling/Heating)	High	47/48	48/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	55/56	55/56	58/58
	Outdoor(Cooling/Heating)	High	64/65	64/65	65/66
	Airflow Rate	Indoor / Outdoor	High	570/1680	570/1680
Net Dimensions H x W x D	Indoor	mm	600×740×200	600×740×200	600×740×200
	Outdoor	mm	540×790×290	540×790×290	578×790×300
Weight	Indoor	kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor	kg(lbs)	36 (79)	36 (79)	40 (88)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)
Max Height Difference		m	15	15	15
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.05 (2.2)	1.05 (2.2)	1.15 (2.4)

Optional parts

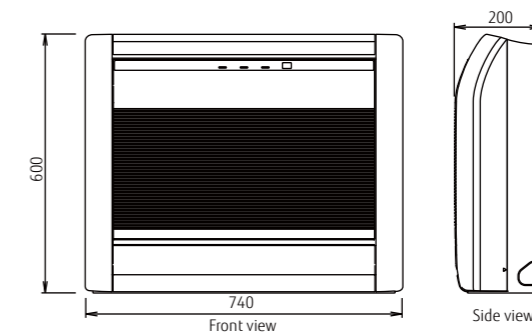
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Half Concealed Kit: UTR-STA

Dimensions

(Unit : mm)

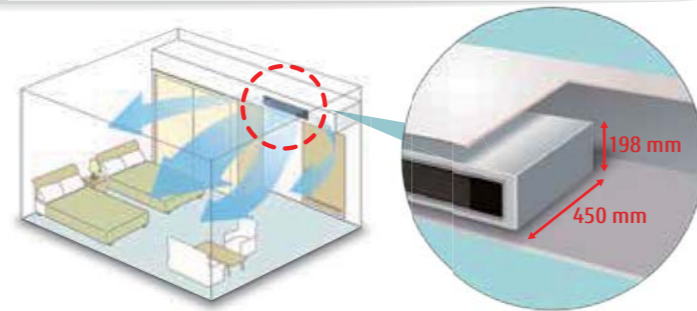




Features

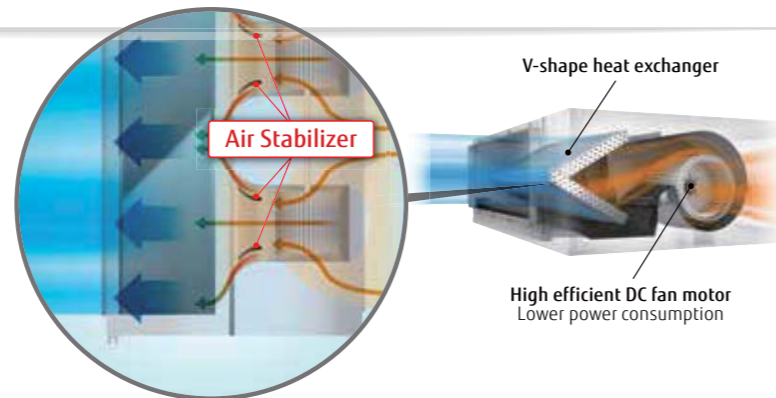
Large living space available

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



Optimum airflow path and low noise operation

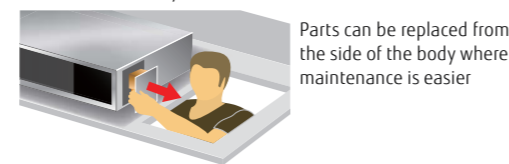
Low noise is realized drastically by stabilized airflow design



Easy design and maintenance for drain

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

Built-in drain pump as standard: Maintenance is easy



Auto Louver Grille Kit (Option)

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



Model : ARYG12LSLAP / ARYG14LSLAP / ARYG18LSLAP

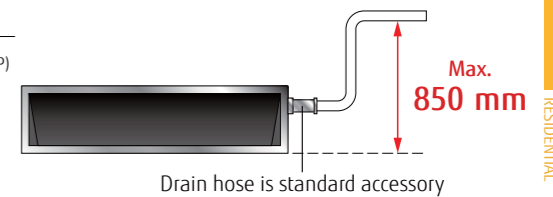


Specifications

Model No.	Indoor unit		ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LALL
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating	kW	1.03/1.15	1.34/1.49	1.62/1.77
EER	Cooling	W/W	3.40	3.21	3.21
	Heating		3.56	3.35	3.38
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling	W/W	5.70	5.60	5.80
	Heating		3.90	3.80	3.80
Energy Efficiency Class	Cooling	A	A+	A+	A+
	Heating		A	A	A
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	9.0/12.5
	Cooling		kWh/a	215	269
Annual Energy Consumption	Heating	kWh/a	1505	1656	1914
	Moisture Removal		l/h	1.2	1.4
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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	650/1780	800/1910
Static pressure range (Standard)		Pa	0 - 30 (10)	0 - 50 (15)	0 - 50 (15)
	Net Dimensions	Indoor	mm	198×700×450	198×700×450
H x W x D		kg(lbs)	15.5 (34)	15.5 (34)	18.5 (41)
	Outdoor	mm	578×790×300	578×790×300	578×790×300
Weight		kg(lbs)	40 (88)	40 (88)	40 (88)
	Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)
Max Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.25 (2.6)

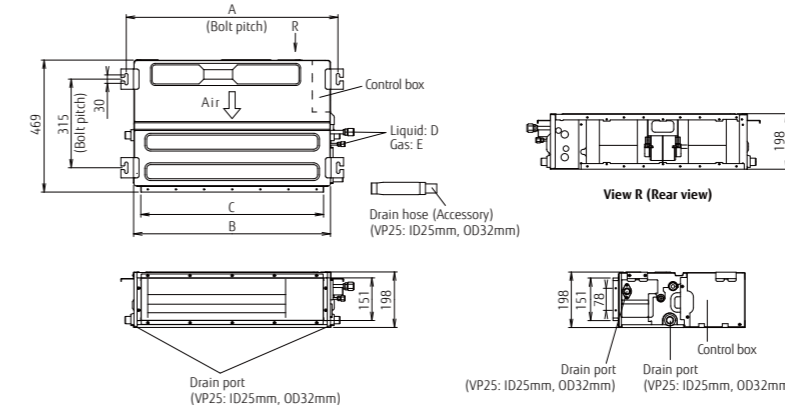
Optional parts

- Wired Remote Controller: UTY-RLRY, UTY-RNRY22, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM, UTY-RSRY
- IR Receiver Kit: UTY-LBTYM
- Remote Sensor Unit: UTY-XSZX
- Auto Louver Grille Kit: UTD-GXTA-W (ARYG12/14LSLAP), UTD-GXTB-W (ARYG18LSLAP)
- External connect kit: UTY-XWZXZG



Dimensions

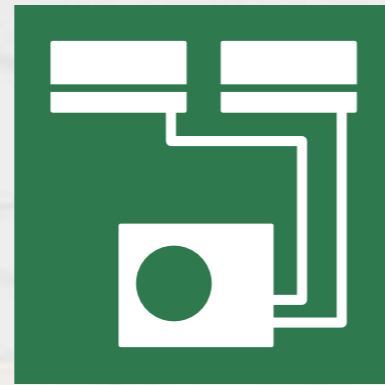
(Unit : mm)



	ARYG12/14LSLAP	ARYG18LSLAP
A	752	952
B	700	900
C	650	850
D	6.35	9.52
E	12,7	15.88

MULTI SPLIT

For Residential



MULTI SPLIT

- 188 PRODUCT LINEUP
- 190 2 & 3-4 Rooms Multi
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MULTI SPLIT Outdoor Units



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

Model code	Indoor unit							
	14	18	24	30	36	45	45	
Cooling rated capacity(kW)	4	5	5.4	6.8	8	10	12.5	14
2 Rooms Multi Up to 2 units	● AOYG 14LAC2		● AOYG 18LAC2					
3 Rooms Multi Up to 3 units			● AOYG 18LAT3*	● AOYG 24LAT3*				
4 Rooms Multi Up to 4 units					● AOYG 30LAT4*			
NEW 5 Rooms Multi Up to 5 units						● AOYG 36LBA5*		
NEW 6 Rooms Multi Up to 6 units							● AOYG 45LBA6*	
8 Rooms Multi Up to 8 units								● AOYG 45LBT8*

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.

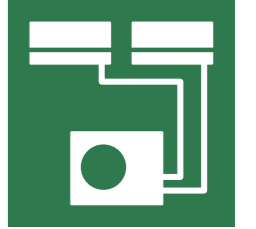
2. 3 Rooms Multi: Connectable indoor units are 2 to 3 units.
AOYG18LAT3: Total capacity of indoor units connected must be between 4.0 kW and 8.5 kW.
AOYG24LAT3: Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.

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.

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



MULTI SPLIT Connectable Indoor Units

Type	2 Rooms		3 Rooms		4 Rooms	5 Rooms	6 Rooms	8 Rooms
	Model name	AOYG14LAC2	AOYG18LAC2	AOYG18LAT3	AOYG24LAT3	AOYG30LAT4	AOYG36LBA5	AOYG45LBA6
Outdoor Unit								
Capacity (kW)	4.0	5.0	5.4	6.8	8.0	10.0	12.5	14.0
Heating	4.4	5.6	6.8	8.0	9.6	12.0	13.5	16.0

Indoor Unit	BTU	kW Class	2 Rooms	3 Rooms	4 Rooms	5 Rooms	6 Rooms	8 Rooms
	7000	2.0	●	●	●	●	●	●
	9000	2.5	●	●	●	●	●	●
	12000	3.5	●	●	●	●	●	●
	14000	4.0	—	●	●	●	●	●
	18000	5.0	—	—	—	●	●	●
	24000	7.0	—	—	—	—	●	●
	9000	2.5	—	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●
	7000	2.0	—	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●
	14000	4.0	—	—	●	●	●	●
	18000	5.0	—	—	—	●	●	●
	7000	2.0	—	●	●	●	●	—
	9000	2.5	—	●	●	●	●	—
	12000	3.5	—	●	●	●	●	—
	14000	4.0	—	—	●	●	●	—
	18000	5.0	—	—	—	●	●	●
	7000	2.0	—	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●
12000	3.5	—	●	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●
18000	5.0	—	—	—	●	●	●	●

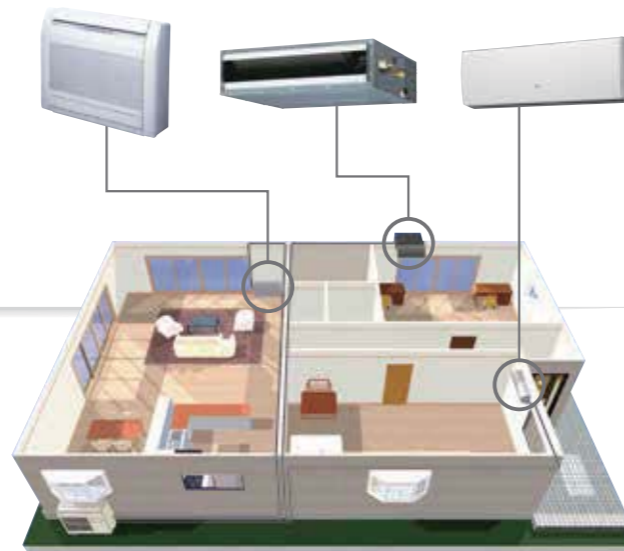
2 & 3-4 Rooms Multi



Features

Wide range of indoor units with various models

7 types 25 models are lined up in the capacity range from 2 kW to 7 kW class. Wide range of needs can be met from 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 realize the space-saving installation.

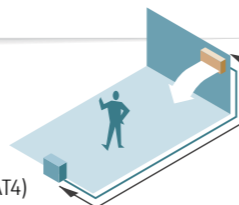
Flexible installation

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

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

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

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



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



Specifications (2 ROOMS, 3 ROOMS, 4 ROOMS)

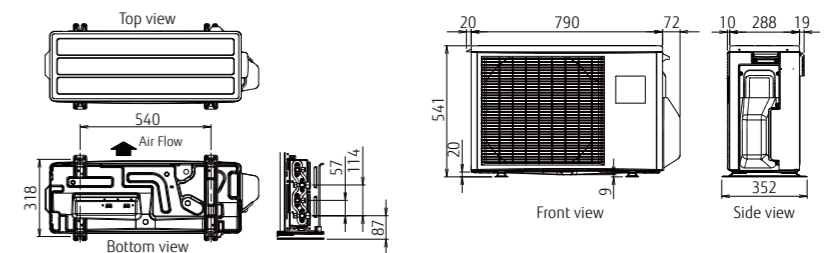
Model No.	Outdoor unit		AOYG14LAC2	AOYG18LAC2	AOYG18LAT3	AOYG24LAT3	AOYG30LAT4
Power Source			Single-phase, ~230V, 50Hz				
Rated Capacity (min-max)	Cooling	kW	4.0 (1.4-4.4)	5.0 (1.7-5.6)	5.4 (1.8-6.8)	6.8 (1.8-8.5)	8.0 (3.5-10.1)
	Heating		4.4 (1.1-5.4)	5.6 (1.8-6.1)	6.8 (2.0-8.0)	8.0 (2.0-8.8)	9.6 (3.7-12.0)
EER	Cooling	W/W	3.67	3.21	4.00	3.51	3.60
	Heating		4.27	3.97	4.20	4.00	4.00
Sound Pressure Level (High)	Cooling	dB(A)	47	50	46	48	50
	Heating		49	51	47	49	51
Sound Power Level (High)	Cooling		61	63	65	68	68
	Heating		63	64	67	70	70
Net Dimensions H × W × D		mm	540×790×290	540×790×290	700×900×330	700×900×330	830×900×330
Weight		kg(lbs)	37 (82)	38 (84)	55 (121)	55 (121)	68 (150)
Connection Pipe Diameter	Liquid	mm	6.35×2	6.35×2	6.35×3	6.35×3	6.35×4 (*6.35×3, 9.52)
	Gas		9.52 × 2	9.52 × 2 (*9.52, 12.7)	9.52 × 2, 12.7 (*9.52 × 3)	9.52 × 2, 12.7 (*9.52 × 3)	9.52 × 2, 12.7 × 2 (*9.52 × 3, 12.7) (*9.52 × 2, 12.7, 15.88)
Max. Pipe Length		Total / Each	30 / 20	30 / 20	50 / 25	50 / 25	70 / 25
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.	m	15	15	15	15	15
	Between Indoor Units.		10	10	10	10	10
Operation Range	Cooling	°CDB	10 to 46	10 to 46	-10 to 46	-10 to 46	0 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-10 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.25 (2.6)	1.30 (2.7)	2.20 (4.6)	2.20 (4.6)	3.30 (6.9)

* Connect to connection valve by the adapter.

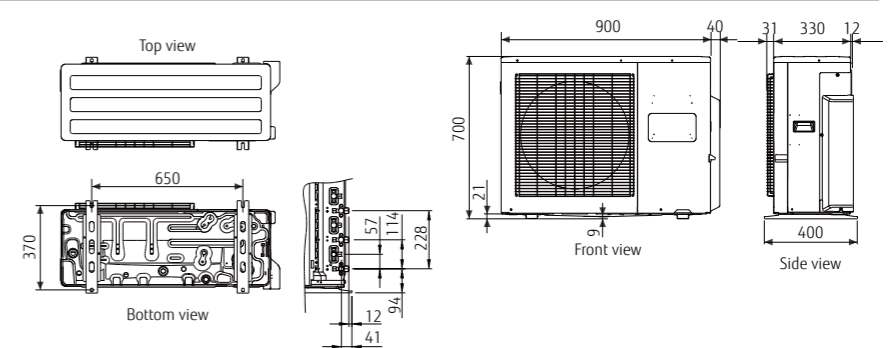
Dimensions

(Unit : mm)

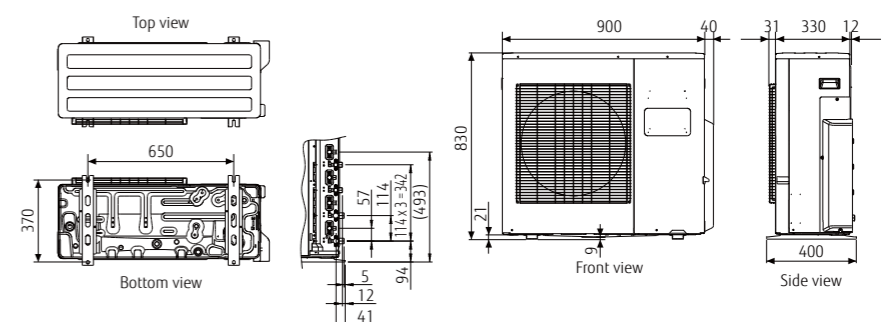
2 Rooms:
 AOYG14LAC2/AOYG18LAC2



3 Rooms:
 AOYG18LAT3/AOYG24LAT3



4 Rooms:
 AOYG30LAT4



NEW 5-6 Rooms Multi



Features

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 from rooms of private homes to large shops and hotels.



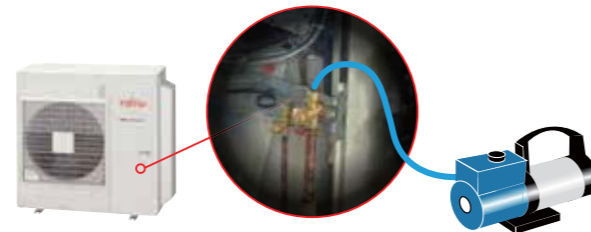
Compact design

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 realize the space-saving installation.



Easy installation

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



Central & Individual Control

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

Max. Controllable
1 multi system
Max. Controllable
6 indoor units



5 Rooms: AOYG36LBA5
6 Rooms: AOYG45LBA6

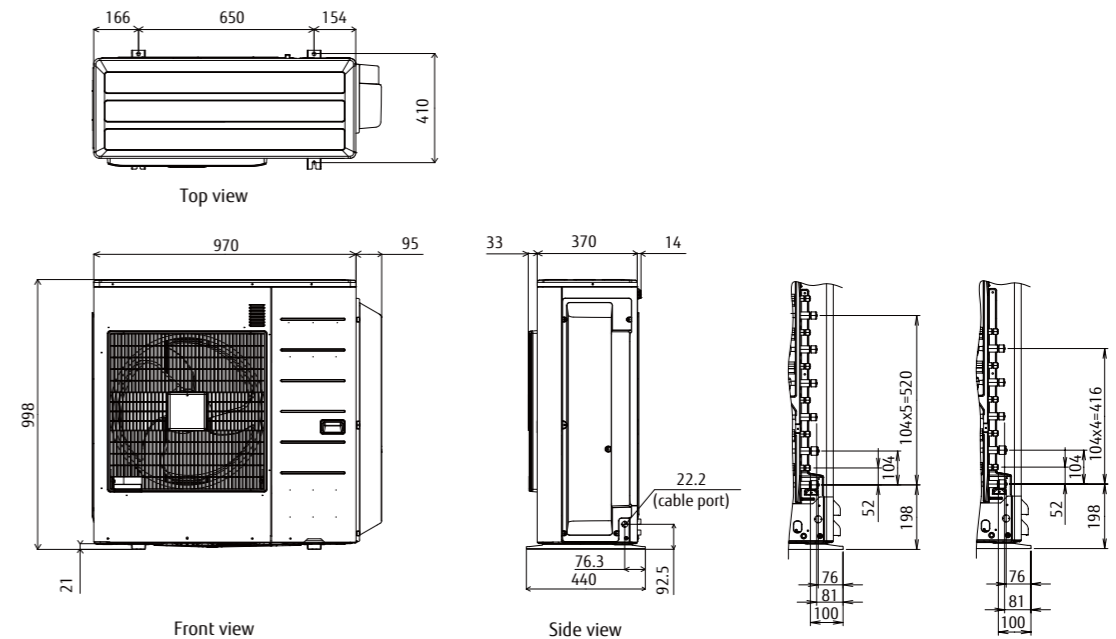


Specifications (5 ROOMS, 6 ROOMS)

Model No.	Outdoor unit		AOYG36LBA5	AOYG45LBA6
Power Source	Single-phase, ~230V, 50Hz			
Rated Capacity (min-max)	Cooling	kW	10.0 (3.5-12.5)	12.5 (3.5-14.0)
	Heating		12.0 (3.5-14.0)	13.5 (3.5-16.0)
EER	Cooling	W/W	4.10	3.50
COP	Heating		4.30	4.00
Sound Pressure Level (High)	Cooling	dB(A)	53	53
	Heating		55	55
Sound Power Level (High)	Cooling		67	67
	Heating		68	68
Net Dimensions H × W × D			998×970×370	998×970×370
Weight			94 (207)	94 (207)
			6.35×5	6.35×6
Connection Pipe Diameter	Liquid	mm	9.52 × 3, 12.7 × 2	9.52 × 4, 12.7 × 2
	Gas		80 / 25	80 / 25
Max. Pipe Length	Total / Each		80 / 25	80 / 25
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.	m	15	15
	Between Indoor Units.		10	10
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	4.00 (8.4)

Dimensions

(Unit : mm)



8 Rooms Multi



Features

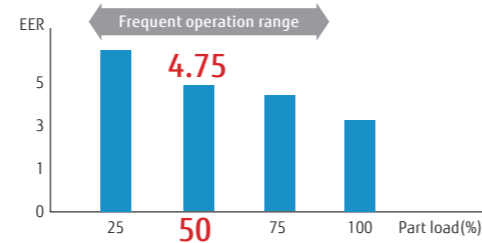
Compact outdoor unit

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



High seasonal efficiency

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



Innovated technology

High efficiency large fan:
New high efficiency fan is mounted.

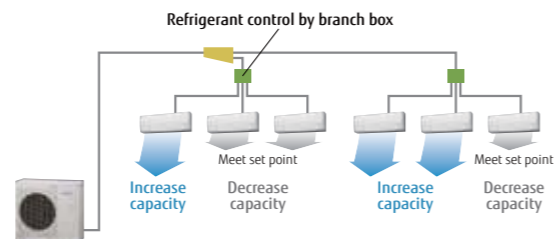
DC fan motor:
High performance and high efficiency has been realized by using a small DC fan motor.

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

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

Quick comfort by optimized refrigerant control

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



8 Rooms: AOYG45LBT8



Specifications

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

Model Name			UTP-PY03A	UTP-PY02A
Connectable Indoor Unit			1 to 3 Units	1 to 2 Units
Power source			Single-phase, ~230V, 50Hz	Single-phase, ~230V, 50Hz
Available Voltage Range			198-264V	198-264V
Power Consumption			W 10	10
Running Current			A 0.05	0.05
Net Dimensions H × W × D			mm 195×433×370	mm 195×433×370
Weight			kg(lbs) 9 (20)	kg(lbs) 9 (20)
Connection pipe diameter	Liquid	*CDB	Main: 9.52×1, Branch:6.35×3	Main: 9.52×1, Branch:6.35×2
	Gas	*CDB	Main: 15.88×1, Branch:12.7×3	Main: 15.88×1, Branch:12.7×2
	Method		Flare	Flare

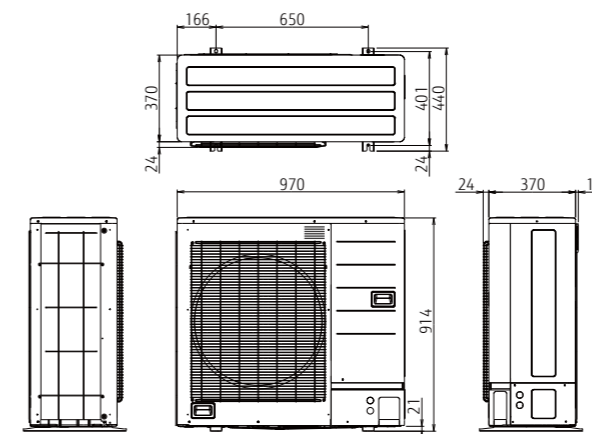
Note: Specifications are based on the following conditions.

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

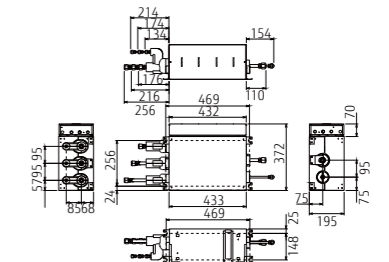
Dimensions

(Unit : mm)

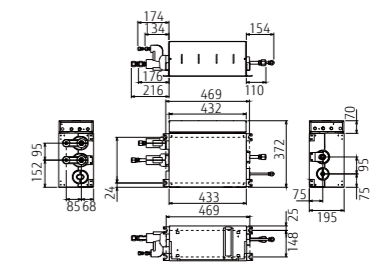
Outdoor Unit: AOYG45LBT8



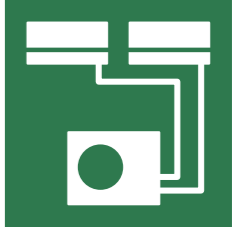
Branch Box : UTP-PY03A (3 branches type)



Branch Box : UTP-PY02A (2 branches type)



Indoor Units for MULTI SPLIT Specifications



Compact wall mounted



Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA	
kW Class	kW		2.0	2.5	3.5	4.0	
Power Source	Single-phase, ~230V, 50Hz						
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	35/30/28/21	36/32/28/21	37/34/31/21	41/36/33/25
	Heating			35/30/28/21	36/32/28/21	37/34/31/21	41/36/34/27
Sound Power Level	Cooling	H	dB(A)	53	54	55	59
	Heating			53	54	55	59
Airflow Rate	Cooling	H/M/L/Q	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			mm	282×870×185	282×870×185	282×870×185	282×870×185
Weight			kg(lbs)	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	

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
	Heating			42/37/33/25
Sound Power Level	Cooling	H	dB(A)	58
	Heating			58
Airflow Rate	Cooling	H/M/L/Q	m³/h	900/740/620/550
	Heating			900/740/620/550
Net Dimensions			mm	320×998×238
Weight			kg(lbs)	14 (30.8)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/12.7	Ø6.35/Ø15.88

Compact wall mounted



Model No.	Indoor unit		ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE	
kW Class	kW		2.0	2.5	3.5	4.0	
Power Source	Single-phase, ~230V, 50Hz						
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/32/29/21	37/33/29/21	40/36/30/21	42/38/33/25
	Heating			36/32/29/22	37/33/29/22	40/36/31/22	42/38/35/27
Sound Power Level	Cooling	H	dB(A)	51	52	54	56
	Heating			51	52	55	57
Airflow Rate	Cooling	H/M/L/Q	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			mm	270×870×204	270×870×204	270×870×204	270×870×204
Weight			kg(lbs)	8.5 (18.7)	8.5 (18.7)	8.5 (18.7)	8.5 (18.7)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	

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			mm	600×740×200	600×740×200	600×740×200
Weight			kg(lbs)	14 (30.7)	14 (30.7)	14 (30.7)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7	

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			mm	199×990×655	
Weight			kg(lbs)	27 (60)	
Connection Pipe Diameter	Liquid/Gas	mm	6.35/12.7	6.35/12.7	

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			mm	245×570×570	245×570×570	245×570×570	245×570×570	
Weight			kg(lbs)	15(33.1)	15(33.1)	15(33.1)	15(33.1)	15(33.1)
Panel			UTG-UFYD-W					
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7	

Mini duct

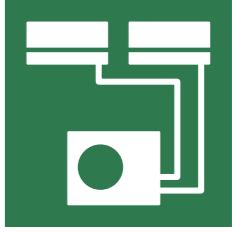


Model No.	Indoor unit		ARYG07LSLAP	ARYG09LSLAP	ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP	
kW Class	kW		2.0	2.5	3.5	4.0	5.0	
Power Source	Single-phase, ~230V, 50Hz							
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
	Heating			29/26/24/23	29/26/24/23	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			mm	198×700×450	198×700×450	198×700×450	198×700×450	198×900×450
Weight			kg(lbs)		15.5 (34.1)			18.5 (40.7)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52			6.35/12.70		
External static pressure			Pa	0 to 30			0 to 50	
Drain pump	Standard							

Slim duct



Model No.	Indoor unit		ARYG07LLTA	ARYG09LLTA	ARYG12LLTB	ARYG14LLTB	ARYG18LLTB	
kW Class	kW		2.0	2.5	3.5	4.0	5.0	
Power Source	Single-phase, ~230V, 50Hz							
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26	32/31/30/29
	Heating			28/26/25/24	28/26/25/24	29/28/27/24	33/30/28/25	33/32/31/29
Sound Power Level	Cooling	H	dB(A)	57	57	58	60	58
	Heating			57	57	58	61	59
Airflow Rate	Cooling	H/M/L/Q	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			mm	198×700×620	198×700×620	198×700×620	198×700×620	198×900×620
Weight			kg(lbs)	17 (37.5)	19 (41.8)	19 (41.8)	19 (41.8)	23 (50.6)
Connection Pipe Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7	
External static pressure			Pa	0 to 90				
Drain pump	Standard							



Multi Combination Table for 2 & 3 Rooms-Cooling/Heating

2 Rooms Multi cooling

AOYG14LAC2	Combination of Indoor Unit		COOLING OPERATION					Seasonal Data			
			Cooling Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
			Room 1	Room 2	Total Capacity (min-max)						
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					Seasonal Data			
			Cooling Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
			Room 1	Room 2	Total Capacity (min-max)						
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					Seasonal Data			
			Cooling Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
			Room 1	Room 2	Room 3						Total Capacity (min-max)
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	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.9
7		7	9	1.70	1.70	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	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	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	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	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	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	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	5.40 (1.8-6.8)	1.35 (0.50-2.06)	4.00	5.4	6.7	A++

AOYG24LAT3	Combination of Indoor Unit		COOLING OPERATION					Seasonal Data			
			Cooling Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
			Room 1	Room 2	Room 3						Total Capacity (min-max)
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	-	2.30	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+
3 Room	7	7	7	2.23	2.23	6.70 (1.8-7.9)	1.92 (0.50-2.87)	3.49	6.7	5.8	A+
	7	7	9	2.14	2.14	6.70 (1.8-7.4)	1.89 (0.50-2.37)	3.54	6.7	6.4	A++
	7	7	12	1.98	1.98	6.80 (1.8-7.8)	1.94 (0.60-2.87)	3.51	6.8	6.4	A++
	7	7	14	1.82	1.82	6.80 (2.0-8.4)	1.94 (0.60-2.87)	3.51	6.8	6.3	A++
	7	7	18	1.63	1.63	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	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	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	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	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	6.80 (1.8-8.2)	1.94 (0.50-2.87)	3.51	6.8	6.2	A++
3 Room	7	12	14	1.63	2.34	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	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	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	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	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	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	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	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					Seasonal Data			
			Heating Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
			Room 1	Room 2	Total Capacity (min-max)						
2 Room	7	7	2.20	2.20	4.40 (1.1-5.4)	1.03 (0.25-1.78)	4.27	3.8	4.1	A+	
	7	9	2.15	2.25	4.40 (1.1-5.4)	1.03 (0.25-1.78)	4.27	3.8	4.1	A+	
	7	12	1.95	2.45	4.40 (1.1-5.5)	1.02 (0.25-1.76)	4.31	3.8	4.0	A+	
	9	9	2.20	2.20	4.40 (1.1-5.4)	1.03 (0.25-1.78)	4.27	3.8	4.0	A+	
	9	12	2.00	2.40	4.40 (1.1-5.5)	1.02 (0.25-1.76)	4.31	3.8	4.0	A+	

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

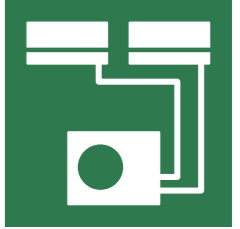
AOYG18LAC2	Combination of Indoor Unit		HEATING OPERATION					Seasonal Data			
			Heating Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
			Room 1	Room 2	Total Capacity (min-max)						
2 Room	7	7	2.70	2.70	5.40 (1.8-6.0)	1.24 (0.50-1.61)	4.37	3.8	4.1	A+	
	7	9	2.50	3.00	5.50 (1.8-6.0)	1.38 (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					Seasonal Data			
			Heating Capacity			Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
			Room 1	Room 2	Room 3						Total Capacity (min-max)
2 Room	7	7	-	2.70	2.70	5.40 (2.0-6.1)	1.59 (0.52-1.93)	3.40	4.0	4.1	A+
	7	9	-	2.75	3.25	6.00 (2.0-6.4)	1.87 (0.52-2.06)	3.21	4.0	4.1	A+
	7	12	-	2.59	3.71	6.30 (2.0-6.5)	1.98 (0.52-2.06)	3.18	4.0	4.1	A+
	7	14	-	2.51	4.29	6.80 (2.0-7.1)	1.92 (0.50-2.06)	3.54	4.0	4.1	A+
	9	9	-	3.15	3.15	6.30 (2.0-6.5)	1.98 (0.52-2.06)	3.18	4.0	4.1	A+
	9	12	-</								

Multi Combination Table for 4 Rooms-Cooling/Heating



4 Rooms Multi cooling

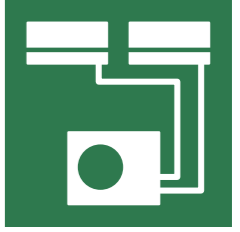
AOYG30LAT4	Combination of Indoor Unit		COOLING OPERATION									
			Cooling Capacity					Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Room 3	Room 4	Total Capacity (min-max)			Pdesign kW	SEER	Energy efficiency class
			kW	kW	kW	kW	kW					
7	7	14	-	1.96	1.96	3.27	-	7.20 (1.6-8.9)	2.22 (0.68-3.43)	3.24	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
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
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
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
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
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
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
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
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
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
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
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
9	12	14	-	1.44	2.39	4.07	-	7.90 (3.5-10.1)	2.20 (1.17-3.58)	3.59	7.9	5.8
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
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
9	9	9	-	2.40	2.40	2.40	-	7.20 (2.8-9.9)	2.22 (0.98-3.42)	3.24	7.2	5.9
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	6.0
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
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	6.0
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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 is not available. All types other than this combination can be connected.
 *2: Connection of ASYG18L + ARYG12L + ARYG09L + ARYG09L is not available. All types other than this combination can be connected.

4 Rooms Multi heating

AOYG30LAT4	Combination of Indoor Unit		HEATING OPERATION									
			Heating Capacity					Input Power (min-max)	EER	Seasonal Data		
			Room 1	Room 2	Room 3	Room 4	Total Capacity (min-max)			Pdesign kW	SEER	Energy efficiency class
			kW	kW	kW	kW	kW					
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
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
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
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
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
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
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
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
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
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
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
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
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
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
7	18	18	-	1.82	3.89	3.89	-	9.60 (3.7-12.0)				

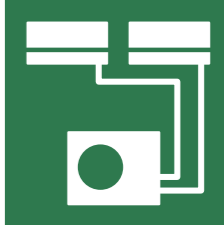
Multi Combination Table for 5 Rooms-Cooling



5 Rooms Multi cooling

AOYG36LBLAS	Combination of Indoor Unit					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)
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++
	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)	2.19 (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	6.6	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)	3.59	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	6.5	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++	
3 Room	7	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	3.91	-	10.0 (3.5-12.5)	2.47 (0.8-3.88)	4.05	10.0	6.7	A++	
7	9	12	24	-	1.35	1.73	2.31	4.61	-	10.0 (3.5-12.5)	2					

Multi Combination Table for 6 Rooms–Cooling/Heating



6 Rooms Multi cooling

AOYG45L6LA6	Combination of Indoor Unit							COOLING OPERATION										EER
								Cooling Capacity							Input Power (min-max)	EER		
								Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Total Capacity (min-max)				
	7	7	7	7	7	7	7	2.00	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	

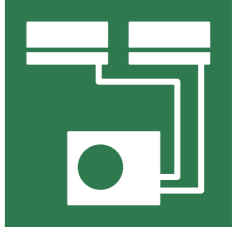
Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models
 •The above is the value for connecting with Wall Mounted type.
 •2 or more indoor units should be connected.
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
 •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

AOYG45L6LA6	Combination of Indoor Unit							HEATING OPERATION										COP
								Heating Capacity							Input Power (min-max)	COP		
								Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Total Capacity (min-max)				
	12	24	-	-	-	-	-	4.07	8.13	-	-	-	-	-	12.2 (3.5-13.1)	3.41 (0.7-3.54)	3.58	



Multi Combination Table for 6 Rooms-Heating



6 Rooms Multi heating

AOYG45LBLA6	Combination of Indoor Unit		HEATING OPERATION										Input Power (min-max)	COP
			Heating Capacity							Total Capacity (min-max)				
			Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	kW					
4 Room	12	12	12	12	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.4)	3.75
	12	12	12	14	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.60 (0.7-4.4)	3.75
	12	12	12	18	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.4)	3.77
	12	12	12	24	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.4)	3.78
	12	12	14	14	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.59 (0.7-4.4)	3.76
	12	12	14	18	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.4)	3.77
	12	12	14	24	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.56 (0.7-4.4)	3.79
	12	12	18	18	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.4)	3.78
	12	14	14	14	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.58 (0.7-4.4)	3.77
	12	14	14	18	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.57 (0.7-4.4)	3.78
	12	14	18	18	-	-	-	-	-	-	-	13.5 (3.5-16.0)	3.56 (0.7-4.4)	3.79
	7	7	7	7	7	7	7	7	7	7	7	12.0 (3.5-12.7)	2.82 (0.7-3.44)	4.26
	7	7	7	7	9	-	-	-	-	-	-	12.3 (3.5-13.5)	3.03 (0.7-3.65)	4.06
	7	7	7	7	12	-	-	-	-	-	-	12.8 (3.5-14.5)	3.29 (0.7-3.98)	3.89
	7	7	7	7	14	-	-	-	-	-	-	13.2 (3.5-15.3)	3.40 (0.7-4.20)	3.88
	7	7	7	7	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.49 (0.7-4.4)	3.87
	7	7	7	7	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.47 (0.7-4.4)	3.89
	7	7	7	9	9	-	-	-	-	-	-	12.7 (3.5-14.2)	3.23 (0.7-3.87)	3.93
	7	7	7	9	12	-	-	-	-	-	-	13.2 (3.5-15.3)	3.40 (0.7-4.20)	3.88
	7	7	7	9	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.49 (0.7-4.4)	3.87
	7	7	7	9	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.48 (0.7-4.4)	3.88
	7	7	7	9	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.46 (0.7-4.4)	3.90
	7	7	7	12	12	-	-	-	-	-	-	13.5 (3.5-16.0)	3.49 (0.7-4.4)	3.87
	7	7	7	12	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.48 (0.7-4.4)	3.88
	7	7	7	12	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.47 (0.7-4.4)	3.89
	7	7	7	12	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.45 (0.7-4.4)	3.91
	7	7	7	14	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.48 (0.7-4.4)	3.88
	7	7	7	14	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.47 (0.7-4.4)	3.89
	7	7	7	14	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.45 (0.7-4.4)	3.91
	7	7	7	18	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.45 (0.7-4.4)	3.91
	7	7	9	9	9	-	-	-	-	-	-	13.0 (3.5-14.9)	3.34 (0.7-4.09)	3.89
	7	7	9	9	12	-	-	-	-	-	-	13.5 (3.5-16.0)	3.49 (0.7-4.4)	3.87
	7	7	9	9	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.49 (0.7-4.4)	3.87
	7	7	9	9	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.48 (0.7-4.4)	3.88
	7	7	9	9	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.46 (0.7-4.4)	3.90
	7	7	9	12	12	-	-	-	-	-	-	13.5 (3.5-16.0)	3.48 (0.7-4.4)	3.88
	7	7	9	12	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.48 (0.7-4.4)	3.88
	7	7	9	12	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.47 (0.7-4.4)	3.89
	7	7	9	12	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.45 (0.7-4.4)	3.91
	7	7	9	14	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.47 (0.7-4.4)	3.89
	7	7	9	14	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.46 (0.7-4.4)	3.90
	7	7	9	14	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.44 (0.7-4.4)	3.92
	7	7	9	18	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.45 (0.7-4.4)	3.91
	7	7	12	12	12	-	-	-	-	-	-	13.5 (3.5-16.0)	3.48 (0.7-4.4)	3.88
	7	7	12	12	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.47 (0.7-4.4)	3.89
	7	7	12	12	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.46 (0.7-4.4)	3.90
	7	7	12	12	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.44 (0.7-4.4)	3.92
	7	7	12	14	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.46 (0.7-4.4)	3.90
7	7	12	14	18	-	-	-	-	-	-	13.5 (3.5-16.0)	3.45 (0.7-4.4)	3.91	
7	7	12	14	24	-	-	-	-	-	-	13.5 (3.5-16.0)	3.44 (0.7-4.4)	3.92	
7	7	14	14	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.45 (0.7-4.4)	3.91	
7	9	9	9	9	-	-	-	-	-	-	13.3 (3.5-15.6)	3.44 (0.7-4.30)	3.87	
7	9	9	9	12	-	-	-	-	-	-	13.5 (3.5-16.0)	3.49 (0.7-4.4)	3.87	
7	9	9	9	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.48 (0.7-4.4)	3.88	
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12	12	12	12	14	-	-	-	-	-	-	13.5 (3.5-16.0)	3.44 (0.7-4.4)	3.92	

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

SPLIT/MULTI SPLIT Optional Parts List/Function List



Controllers/Others

Type	Indoor unit										Outdoor unit	Other
	Wall Mounted							Floor	Duct		Single Phase	Branch Box (8 Rooms Multi)
	Flagship Range	Designer Range			Standard Range		ECO Range		Mini (With drain pump)	Slim (With drain pump)	5-6 Rooms Multi	
ASYG09/12 KXCA	ASYG07/09/12/14KGTA	ASYG09/12 LTCA	ASYG07/09/12/14LUCA	ASYG07/09/12/14LMCE	ASYG18/30LFCA, ASYG24LFCC	ASYG07/09/12 LLCE	AGYG09/12/14 LVCA	ARYG12/14/18 LSLAP	ARYG12/14/18 14LLTB	AOYG36LBLA5, AOYG45LBLA6	UTP-PY03A, UTP-PY02A	
Wired Remote Controller		● UTY-RNRVZ2*1						● UTY-RNRVZ2				
		● UTY-RLRY*1						● UTY-RLRY				
					● UTY-RVNYM			● UTY-RVNYM				
					● UTY-RNNYM			● UTY-RNNYM				
Simple Remote Controller	2-wire type	● UTY-RSRY*1			● UTY-RSNYM		● UTY-RSNYM	● UTY-RSNYM, UTY-RSRY	● UTY-RSNYM			
	3-wire type											
Central Remote Controller											● UTY-DMMYM	
Others	IR Receiver Unit								● UTY-LBTYM			
	Remote Sensor Unit								● UTY-XSZX			
	Auto Louver Grille Kit								● UTD-GXTA-W, UTD-GXTB-W (18)			
	Half Concealed Kit							● UTR-STA				

*1: New communication kit is required for connection. (Tentative)

Interface

Type	Indoor unit										Outdoor unit
	Wall Mounted							Floor	Duct		Single Phase
	Flagship Range	Designer Range			Standard Range		ECO Range		Mini (With drain pump)	Slim (With drain pump)	
ASYG09/12 KXCA	ASYG07/09/12/14KGTA	ASYG09/12 LTCA	ASYG07/09/12/14LUCA	ASYG07/09/12/14LMCE	ASYG18/30LFCA, ASYG24LFCC	ASYG07/09/12 LLCE	AGYG09/12/14 LVCA	ARYG12/14/18 LSLAP	ARYG12/14/18 14LLTB	AOYG36LBLA5, AOYG45LBLA6	UTP-PY03A, UTP-PY02A
Wireless LAN Interface		●*2				● UTY-TFNXZ1		● UTY-TFNXZ1	● UTY-TFSXZ1	● UTY-TFNXZ1	
						● FJ-RC-WIFI-1		● FJ-RC-WIFI-1		● FJ-RC-WIFI-1	
KNX Interface						● FJ-RC-KNX-1i		● FJ-RC-KNX-1i		● FJ-RC-KNX-1i	
MODBUS Convertor									● UTY-VMX		
MODBUS Interface						● FJ-RC-MBS-1		● FJ-RC-MBS-1		● FJ-RC-MBS-1	
External Switch Controller									● UTY-TERX		

*2: New Wireless LAN Interface can be connected. (Tentative)

External Input and Output Function/External Connect Kit/Communication Kit

Type	Indoor unit										Outdoor unit
	Wall Mounted							Floor	Duct		Single Phase
	Flagship Range	Designer Range			Standard Range		ECO Range		Mini (With drain pump)	Slim (With drain pump)	
ASYG09/12 KXCA	ASYG07/09/12/14KGTA	ASYG09/12 LTCA	ASYG07/09/12/14LUCA	ASYG07/09/12/14LMCE	ASYG18/30LFCA, ASYG24LFCC	ASYG07/09/12 LLCE	AGYG09/12/14 LVCA	ARYG12/14/18 LSLAP	ARYG12/14/18 14LLTB	AOYG45LBT8	
Input	Operation / Stop	● UTY-XCSXZ1*3		● UTY-XWZXZ5 + UTY-TWBXF	● UTY-XWZXZ5 + UTY-XCBXZ2	● UTY-XWZX		● UTY-XWZX	● PCB Terminal	● UTD-ECSSA	
	Batch Stop										● UTY-XWZXZ3
	Forced Stop	● UTY-XCSXZ1*3		● UTY-XWZXZ5 + UTY-TWBXF	● UTY-XWZXZ5 + UTY-XCBXZ2	● UTY-XWZX		● UTY-XWZX	● PCB Terminal	● UTD-ECSSA	
	Emergency Stop										● UTY-XWZXZ3
	Low Noise Mode Operation										● UTY-XWZXZ3
	Cooling / Heating Priority										● UTY-XWZXZ3
Output	Outdoor Unit Operation Peak Control										● UTY-XWZXZ3
	Operation Status	● UTY-XCSXZ1*3		○ UTY-XWZXZ5 + UTY-TWBXF	○ UTY-XWZXZ5 + UTY-XCBXZ2	○ UTY-XWZX		○ UTY-XWZX	● UTY-XWZXZG	○ UTD-ECSSA	
	Error Status	● UTY-XCSXZ1*3		○ UTY-XWZXZ5 + UTY-TWBXF	○ UTY-XWZXZ5 + UTY-XCBXZ2				● UTY-XWZXZG		○ UTY-XWZXZ3
	Compressor status	● UTY-XCSXZ1*3									○ UTY-XWZXZ3
	Indoor Unit Fun Operation Status								● UTY-XWZXZG	● UTD-ECSSA	
	Auxiliary Heater Output								● UTY-XWZXZG	● UTD-ECSSA	
Base Heater										● UTY-XWZXZ4	

*3: (Tentative) ●: Dry Contact ○: Apply Voltage

Communication Kit



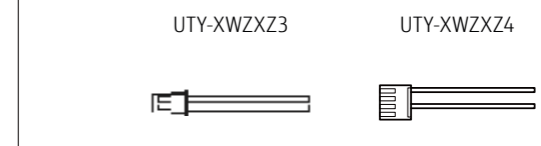
Communication system

External Connect Kit

For Indoor Unit



For Outdoor unit



External Control Set

For Indoor unit



CONTROL SYSTEM

222 Best Control Solution for Each Property

224 OVERVIEW

For LIGHT COMMERCIAL/COMMERCIAL

For RESIDENTIAL

228 Comparison Table of Controllers

INDIVIDUAL CONTROL

230 Wired Remote Controller (Touch Panel)

231 Wired Remote Controller

233 Simple Remote Controller

234 Wireless Remote Controller

IR Receiver Unit

CENTRALIZED CONTROL

235 Group Remote Controller/Network Convertor

236 Central Remote Controller

237 Central Remote Controller for 5-6 Rooms Multi, 8 Rooms Multi

238 Touch Panel Controller

242 System Controller

System Controller Lite

CONVERTOR/ADAPTOR

246 BACnet® Gateway

247 BACnet® Gateway **Hardware**

Network Convertor for LONWORKS®

248 MODBUS® Convertor

249 MODBUS® Interface

250 KNX® Convertor

251 KNX® Interface

252 Wireless LAN Interface

254 External Switch Controller

Signal Amplifier

255 Network Convertor for Single Split



SPLIT
For Light Commercial



SPLIT
For Residential



SIMULTANEOUS MULTI
For Light Commercial



MULTI SPLIT
For Residential



SMALL VRF
For Light Commercial



LARGE VRF
For Commercial

Best Control Solution for Each Property

Fujitsu General provides the best control solutions suitable for the various properties.

SHOP

Type	Individual Control	Centralized Control				Integrating Control (Interface)			
	Wired Remote Controller UTY-RNRYZ2, UTY-RLRY, UTY-RVNYM	Group Remote Controller UTY-CGGY	Central Remote Controller UTY-DCGY	Touch Panel Controller UTY-DTGYZ1	System Controller UTY-APGXZ1, UTY-ALGXZ1	Network Converter for LONWORKS® UTY-VLGX	MODBUS® Converter UTY-VMSX, UTY-VMGX	KNX® Converter UTY-VKGX, UTY-VKSX	
Automatic control of A/C (Schedule timer, Weekly timer etc.)	●	●	●	●	●				
Limited control for staff (RC Prohibition, Room temp set point limitation etc.)			●	●	●	●	●	●	
Group Control		●	●	●	●				
Advanced Energy Saving (Peak cut, Indoor unit rotation operation etc.)					●				
Remote Management				●	●				
Manage multiple sites				●	●				
Monitor energy consumption					●				
Control third party products					●				
Integrate FGL A/C into BMS						●	●	●	

HOTEL

Type	Individual Control			Centralized Control				Integrating Control (Interface)				
	Wired Remote Controller UTY-RNRYZ2, UTY-RLRY, UTY-RVNYM	Simple Remote Controller UTY-RSRY, UTY-RHRY, UTY-RSNYM	Wireless Remote Controller UTY-LNHY	Group Remote Controller UTY-CGGY	Central Remote Controller UTY-DCGY	Touch Panel Controller UTY-DTGYZ1	System Controller UTY-APGXZ1, UTY-ALGXZ1	BACnet® Gateway UTY-ABGXZ1, UTY-VBGX	Network Converter for LONWORKS® UTY-VLGX	MODBUS® Converter UTY-VMSX, UTY-VMGX	KNX® Converter UTY-VKGX, UTY-VKSX	External Switch Controller UTY-TERX
Local control for hotel guest	●	●	●									
Centralized A/C control for common space				●	●	●	●	●	●	●		
Limited control for hotel guests					●	●	●	●	●	●		
Remote Management						●	●					
Advanced Energy Saving (Peak cut, Indoor unit rotation operation etc.)							●	●				
Monitor energy consumption							●					
Control third party products							●					
Integrate FGL A/C into BMS								●	●	●	●	
Interlock with window contact											●	
Interlock with key-card											●	

OFFICE

Type	Individual Control			Centralized Control				Integrating Control (Interface)				
	Wired Remote Controller UTY-RNRYZ2, UTY-RLRY	Simple Remote Controller UTY-RSRY, UTY-RHRY, UTY-RSNYM	Wireless Remote Controller UTY-LNHY	Group Remote Controller UTY-CGGY	Central Remote Controller UTY-DCGY	Touch Panel Controller UTY-DTGYZ1	System Controller UTY-APGXZ1, UTY-ALGXZ1	BACnet® Gateway UTY-ABGXZ1, UTY-VBGX	Network Converter for LONWORKS® UTY-VLGX	MODBUS® Converter UTY-VMSX, UTY-VMGX	KNX® Converter UTY-VKGX, UTY-VKSX	External Switch Controller UTY-TERX
Local control for office staff	●	●	●	●	●							
Automatic control of A/C (Schedule timer, Weekly timer etc.)	●		●	●	●	●	●	●				
Centralized A/C control for management					●	●	●	●	●	●		
Limited control for office staff (RC Prohibition, Room temp set point limitation etc.)					●	●	●	●	●	●		
Advanced Energy Saving (Peak cut, Indoor unit rotation operation etc.)							●	●				
Remote Management						●	●					
Energy Charge Apportionment						●	●	●				
Monitor energy consumption							●					
Control third party products							●					
Integrate FGL A/C into BMS								●	●	●	●	
Interlock with door contact											●	
Interlock with human sensor for meeting room											●	



LIGHT COMMERCIAL/COMMERCIAL

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

For Light Commercial
• Small VRF
• Simultaneous Multi

For Commercial
• Large VRF



Air Conditioning Individual Control



Wired Remote Controller (Touch panel)
UTY-RNRYZ2



Wired Remote Controller
UTY-RLRY



Simple Remote Controller
UTY-RSRY
UTY-RHRY
Without operation mode



Wireless Remote Controller
UTY-LNHY

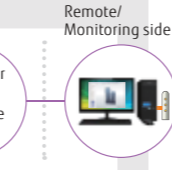


IR Receiver Unit
UTB-YWC For Duct type
UTY-LRHBY1 For Cassette type

Air Conditioning Centralized Control



System Controller (Software)
UTY-APGXZ1/UTY-ALGXZ1 (Lite edition)

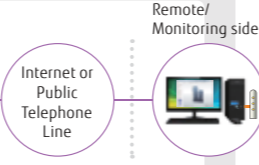


Max. Controllable
1600*
indoor units

*: Lite edition is max. controllable 400 indoor units



Touch Panel Controller
UTY-DTGYZ1



Max. Controllable
400
indoor units



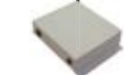
Central Remote Controller
UTY-DCGY

Max. Controllable
100
indoor units



Group Remote Controller
UTY-CGGY

Max. Controllable
8
Remote Controller Groups



Network Converter
UTY-VGGXZ1

Convertor/Adaptor For external device

BACnet® Gateway
UTY-ABGXZ1 **Software**

UTY-VBGX **Hardware**

Network Converter (BMS/LONWORKS®)
UTY-VLGX

MODBUS® Convertor
UTY-VMGX

MODBUS® Interface
FJ-RC-MBS-1

KNX® Convertor For VRF
UTY-VKGX

KNX® Convertor For indoor unit
UTY-VKSX

KNX® Interface
FJ-RC-KNX-1i

Wireless LAN Interface
FJ-RC-WIFI-1

External Switch Controller
UTY-TERX

Card-key
(Locally purchased)

Internet device

BMS/BAS**

BMS, Home automation system

*1. USB Adaptor: Echelon® U10 USB Network Interface
*2. BMS/BAS: Building Management System/Building Automation System

Convertor/Adaptor For system expansion

Network Converter for single split
UTY-VTGX

Network Converter (AC power supply)
UTY-VTGXV

Network Converter for Group Remote Controller
UTY-VGGXZ1

Signal Amplifier for single split
UTY-VSGXZ1



RESIDENTIAL

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.

For Single Split



For 2-8 Rooms Multi Split



Air Conditioning Individual Control



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

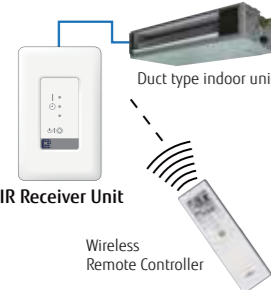


Wireless Remote Controller
Simple and sophisticated operations with a choice of 4 daily timers



Simple Remote Controller
Compact remote controller provides access to basic functions

For Duct type



For Cassette type



IR Receiver Unit
Necessary to control for all duct type by Wireless Remote Controller



Convertor/Adaptor For external device

MODBUS® Convertor
For indoor unit
UTY-VMSX



MODBUS® Interface
FJ-RC-MBS-1



NEW KNX® Convertor
For indoor unit
UTY-VKSX



KNX® Interface
FJ-RC-KNX-li



Air Conditioning Centralized Control



Central Remote Controller For 5-6 & 8 Rooms Multi
Central Remote Controller allows individual and central control

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.

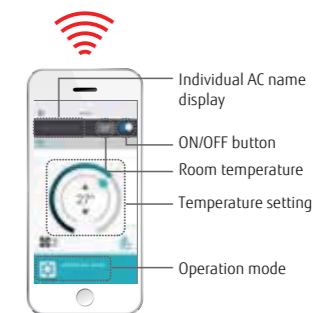


Wireless LAN Interface
The exclusive Wi-Fi adaptor enables to operate the air conditioner by smartphone or tablet PC from outside.



User friendly app

User friendly screen display facilitates easy operation.



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	Wireless Remote Controller	Central Remote Controller (For 8 rooms Multi)	Group Remote Controller	Central Remote Controller	Touch Panel Controller	System Controller Lite (Software)	System Controller (Software)	
Model name	UTY-RNRYZ2	UTY-RLRY	UTY-RVNYM	UTY-RSNYM	UTY-RSRY	UTY-RHRY	UTY-LNHY	UTY-DMMYM	UTY-CGGY	UTY-DCGY	UTY-DTGYZ1	UTY-ALGXZ1	UTY-APGXZ1	
Max. controllable remote controller groups	1	1	1	1	1	1	1	1	8	100	400	400	1600	
Max. controllable indoor units	16	16	16	16	16	16	16	8	128	100	400	400	1600	
Max. controllable groups	-	-	-	-	-	-	-	-	-	16	400	400	1600	
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 louver 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		-	-	-	-	-	-	-	-	-	-	-	●	
Timer		Schedule timer	Week	Week	Week	-	-	-	Week	Week	Week	Year	Year	Year
		On/off timer	8	4	8	-	-	-	4	4	20	20	144	144
		Sleep timer	-	-	-	-	-	-	-	-	-	-	-	-
	Program timer	-	-	-	-	-	-	-	-	-	-	-	-	
	Auto off timer	●	●	●	-	-	-	-	-	-	●	-	-	
	Day off	●	●	●	-	-	-	-	●	-	●	●	●	
Min. unit of timer setting (Minutes)	10 • 30	30	30	-	-	-	5	5	10	10	10	10		
Control	Status monitoring system	-	-	-	-	-	-	-	-	●	●	●	●	
	Electricity charge apportionment	-	-	-	-	-	-	-	-	-	○	○	●	
	Error history	●	●	●	-	-	-	-	●	●	●	●	●	
	Emergency stop	-	-	-	-	-	-	-	-	●*2	●*2	-	-	
	Remote management	-	-	-	-	-	-	-	-	-	●	○	●	
	Energy saving management	-	-	-	-	-	-	-	-	-	-	○	○	
	E-mail notification for malfunction	-	-	-	-	-	-	-	-	-	-	●	●	
	Key lock	● Child lock	● Child lock	● Child lock	-	-	-	-	● Child lock	● Child lock	● Password setting	● Password setting	● Password setting	
Low noise mode	-	-	-	-	-	-	-	●	-	-	-	-		

*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

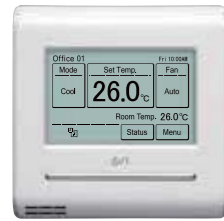


NEW

Wired Remote Controller (Touch Panel)



UTY-RNRYZ2



Max. Controllable
16 indoor units

Features

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 realized using one remote controller only.



Accurate and comfortable control

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



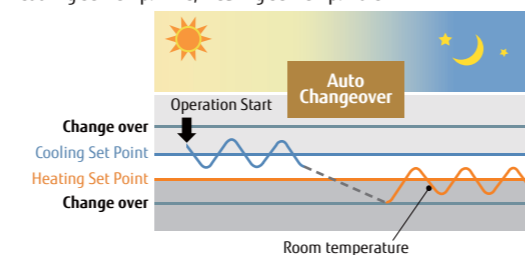
Various energy saving control

Custom Auto

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

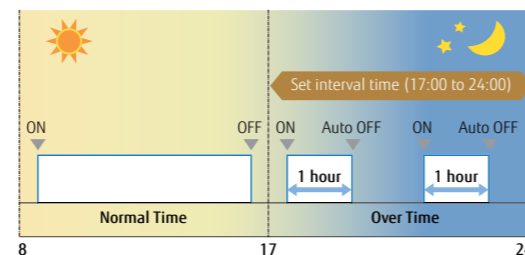
* This function is not available for some models.

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



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

2 schedules Weekly Timer

Set Temperature Auto Return

Set Temperature Upper and Lower Limit Setting

Specifications

Model name	UTY-RNRYZ2
Power Source	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 20.4
Weight (g)	220

DC 12 V is supplied by the indoor unit.

Wired Remote Controller



UTY-RVNYM



Max. Controllable
16 indoor units

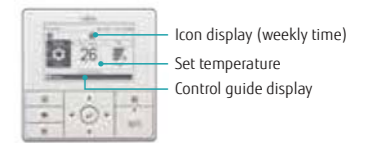
Features

Hi-grade individual control using various functions.

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

High visibility and Easy operation

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



High performance and compact size

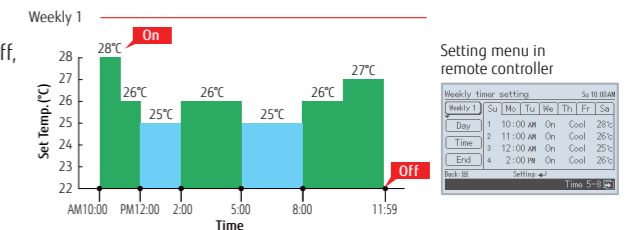
In addition to the individual control, various energy saving controls can be realized using only one remote controller.



Various energy saving control

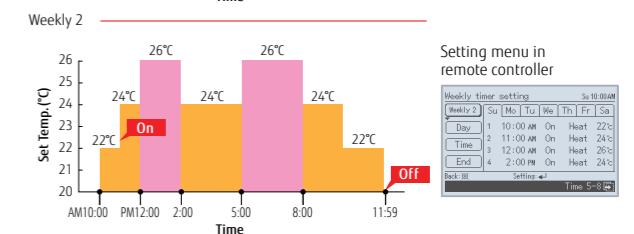
Weekly Timer function

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



Setting menu in remote controller

Weekly timer settings	Su	Mo	Tu	We	Th	Fr	Sa
Day	1	10:00 am	On	Cool	28°C		
Time	2	11:00 am	On	Cool	26°C		
End	4	2:00 PM	On	Cool	26°C		



Setting menu in remote controller

Weekly timer settings	Su	Mo	Tu	We	Th	Fr	Sa
Day	1	10:00 am	On	Heat	22°C		
Time	2	11:00 am	On	Heat	24°C		
End	4	2:00 PM	On	Heat	24°C		

Auto OFF Timer

Set Temperature Auto Return

Set Temperature Upper and Lower Limit Setting

Specifications

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

DC 12 V is supplied by the indoor unit.

Wired Remote Controller



UTY-RLRY



Features

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

Max. Controllable
16 indoor units

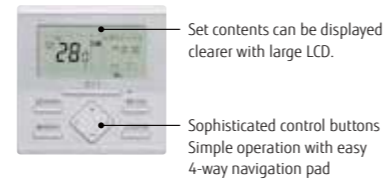
High performance and compact size

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



High visibility and easy operation

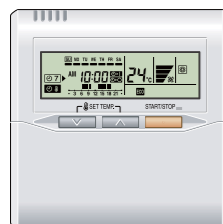
- "Mode", "Set Temp", and "Fan" are displayed at large size on the top screen.
- Each function to be set is indicated by an icon.
- Control guide is displayed and operation is simple and straightforward.



Wired Remote Controller



UTY-RNKY



Features

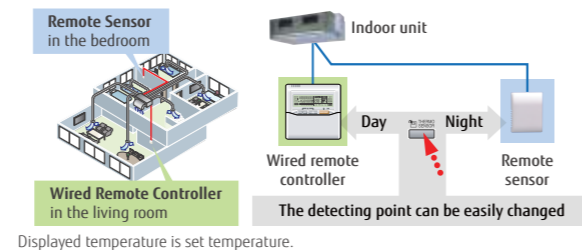
- Simple operation with Built-in Weekly / Daily Timer.
- Control up to 16 indoor units.
- Up to 2 wired remote controllers can be connected to a single indoor unit.

Max. Controllable
16 indoor units

Accurate and comfortable

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

Example of changing sensor



Built-in timers

- **Weekly timer:** Possible to set ON/OFF time to operate twice each day of the week.
- **Setback timer:** Possible to set temperature for two times spans and for each day of the week. At "Weekly timer" + "Set back timer" setup

Specifications

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

DC 12 V is supplied by the indoor unit.

NEW

Simple Remote Controller for VRF



UTY-RSRY / UTY-RHRY (Without operation mode)



Features

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

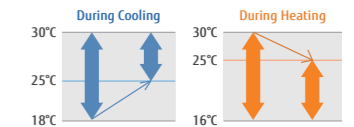
Max. Controllable
16 indoor units

Corresponding to various applications

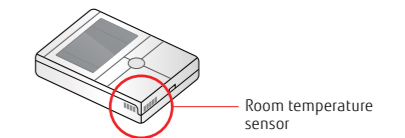
- **Vertical louver control:** Vertical air flow direction can be adjusted for Duct types with auto louver and Cassette types, which are installed in hotels and conference rooms, can be adjusted.



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



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



Simple Remote Controller for SPLIT & MULTI SPLIT



UTY-RSRYM, UTY-RSKY/UTY-RHKY(Without operation mode)



Features

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	UTY-RSRY	UTY-RHRY	UTY-RSRYM, UTY-RSKY	UTY-RHKY
Power Source	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 × 14
Weight (g)	120	120	120	90

DC 12 V is supplied by the indoor unit.

Wireless Remote Controller



UTY-LNHY



Features

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

Easy installation and operation

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

Wide and precise transmitting range

Max. Controllable
16 indoor units

Selectable
4 daily timers

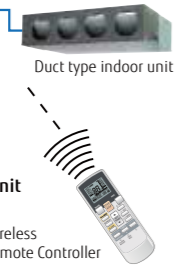
IR Receiver Unit



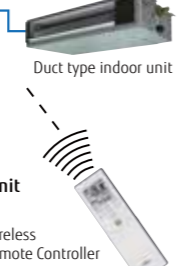
UTB-YWC
for VRF



UTY-LRHYM
for Split



UTY-LBTYM
for Split



Features

Necessary to control for all Duct types* by Wireless Remote Controller

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

IR Receiver Unit



UTY-LRHYB1
for VRF



UTY-LRHYA2
for Split



UTY-LBTYC
for Split



Features

Cassette type indoor unit can be controlled with Wireless Remote Controller

Specifications

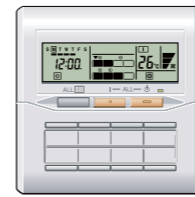
Model name	UTY-LNHY	UTB-YWC/UTY-LRHYM/UTY-LBTYM	UTY-LRHYB1/UTY-LRHYA2/UTY-LBTYC
Battery	1.5 V (R03 / LR03 / AAA) × 2	DC 5 V	DC 5 V
Dimensions (H × W × D) (mm)	170 × 56 × 19	145 × 90 × 30	193.9 × 193.9 × 31.2
Weight (g)	85	150	140

DC 12 V is supplied by the indoor unit.

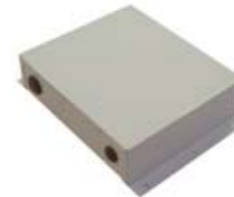
Group Remote Controller/Network Converter



UTY-CGGY / UTY-VGGXZ1



Group Remote Controllers
UTY-CGGY



Network Converter
UTY-VGGXZ1
For Group Remote Controller

Max. Controllable
8 remote controller groups

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

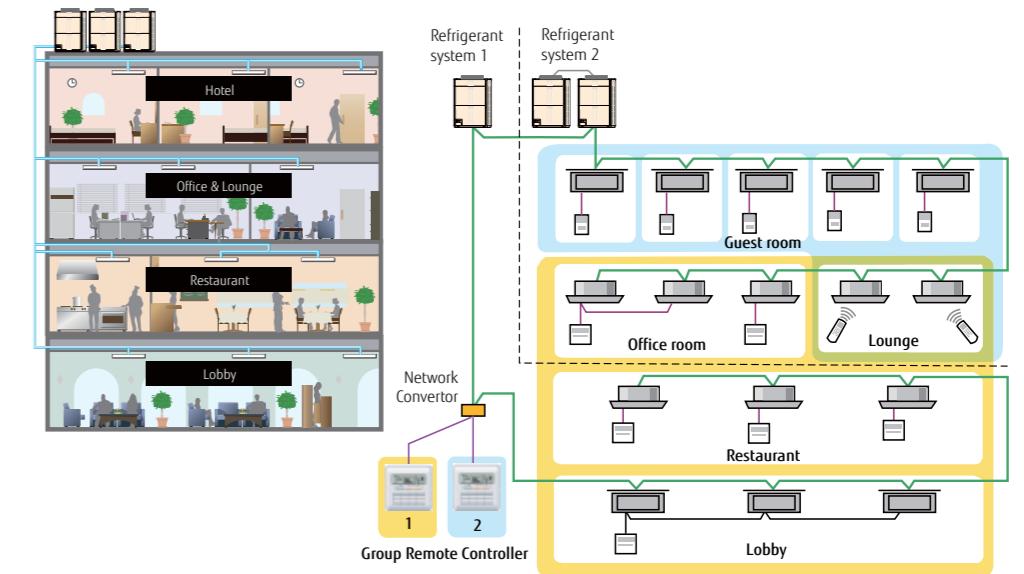
Features

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 Converter is required to connect Group Remote Controllers to a VRF network system. (Network Converter 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.



Group Remote Controller 1:
To control office room, lounge, restaurant and lobby (8 remote controller groups)
Group Remote Controller 2:
To control guest room and lounge (7 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	UTY-CGGY
Power Supply	DC 12 V
Dimensions (H × W × D) (mm)	120 × 120 × 18
Weight (g)	200

DC 12 V is supplied by the indoor unit.

Model name	UTY-VGGXZ1
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

Central Remote Controller



UTY-DCGY



Features

For small- and medium-sized buildings and tenants

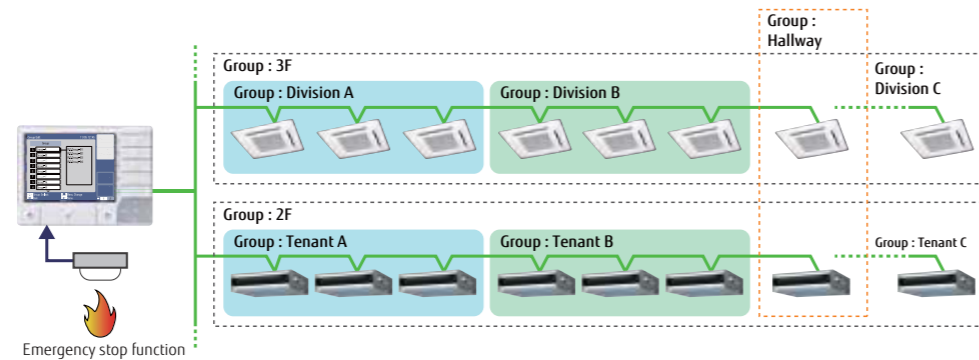
- Individual control and monitor of 100 indoor units
- 5 inch TFT color screen
- High visibility and easy operation
- External input / output contact
- Detachable power supply unit
- Corresponds to 7 different languages like English, Chinese, French, German, Spanish, Russian, Polish.

Max. Controllable
100 indoor units

Max. Controllable
16 groups

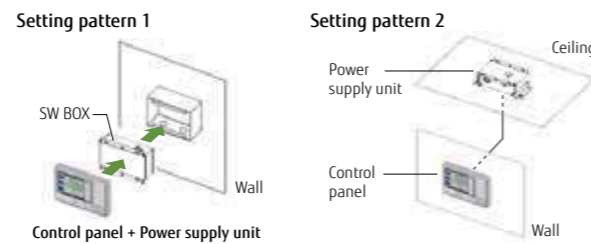
System overview

- 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 fix on the wall.



Functions

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

Specifications

Model name	UTY-DCGY	
	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.	

Central Remote Controller for 5-6 Rooms Multi, 8 Rooms Multi



UTY-DMMYM



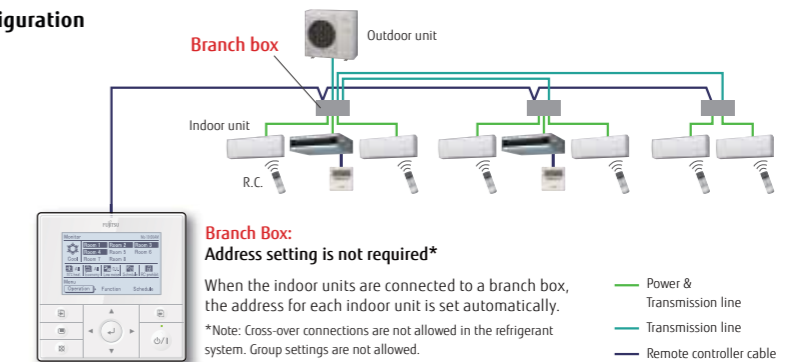
Features

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

Max. Controllable
1 multi system

Max. Controllable
8 indoor units

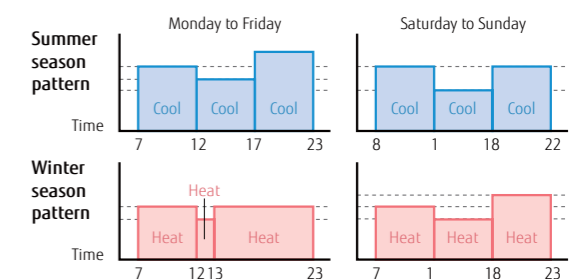
System configuration



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

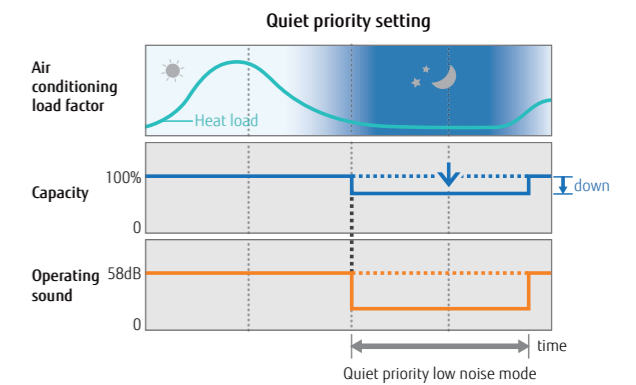
When you leave, minimum heating operation is performed to maintain the room temperature (maintain at 10°C).

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

DC 12 V is supplied by the indoor unit.

NEW

Touch Panel Controller



UTY-DTGYZ1



Features

- Large-sized 7.5-inch TFT color
- LCD Easy finger touch operation
- Stylish shape and design to suit all application
- 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

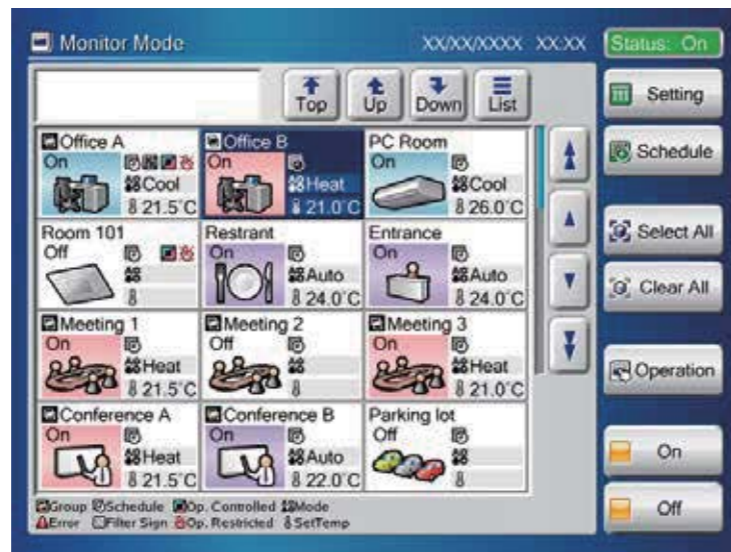
Max. Controllable
400 indoor units

Max. Controllable
100 outdoor units

Max. Controllable
400 groups

Control & monitoring from anywhere

- 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.



Easy maintenance

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

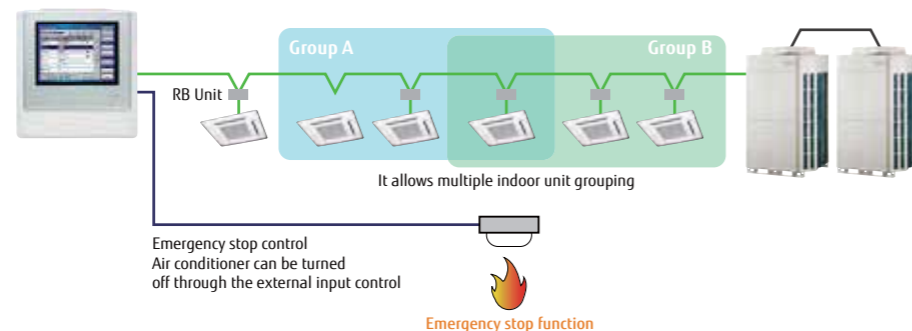


Easy installation

- 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



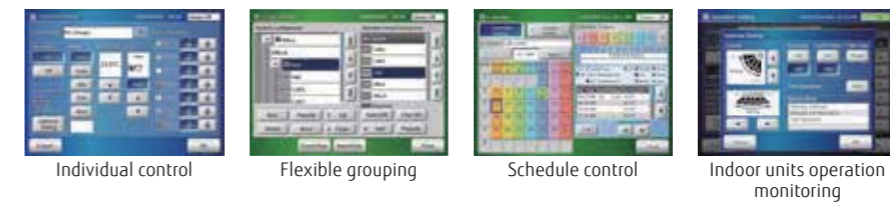
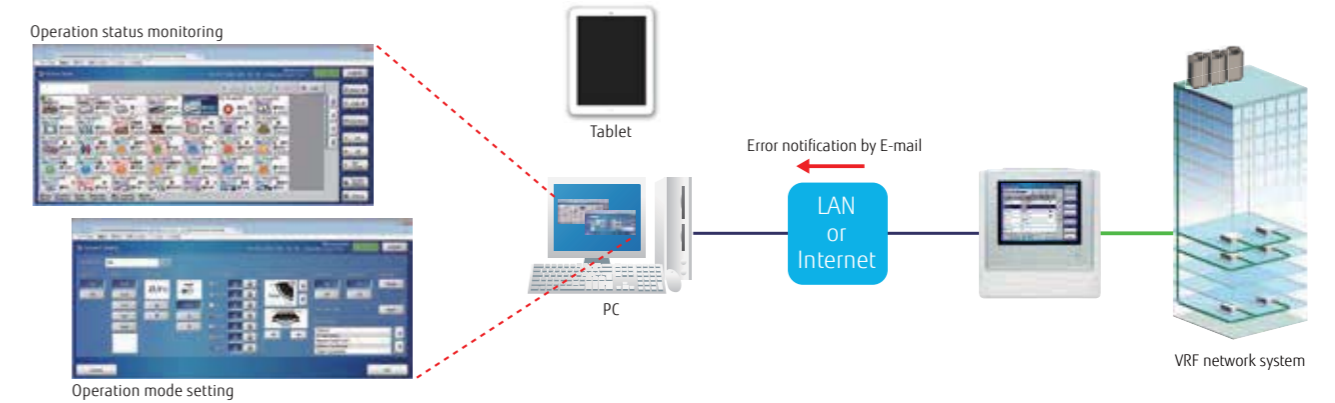
Up to 400 indoor units can be controlled



Features: Touch Panel Controller

Control & monitoring from anywhere

- 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.



Not only operations but also detail settings such as schedule or group settings can be operated from remote locations.

Smart Phone

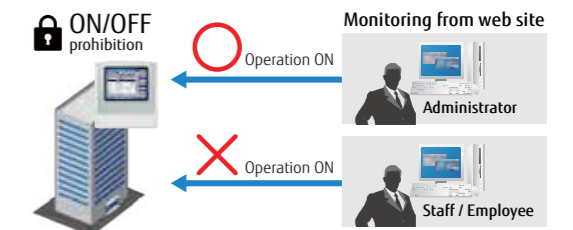
Model name	Browser
Nexus 6P (Android 7.1.1)	Google Chrome 5.5
iphone7 (iOS 10.1)	Safari 10

Tablet

Model name	Browser
iPad Pro 9.7inch (iOS 10.2.1)	Safari 10

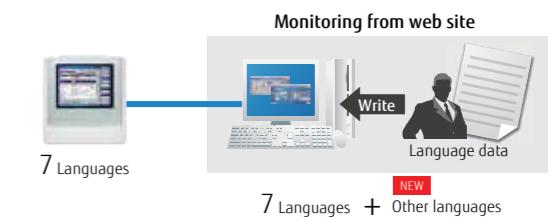
Flexible access permission for Point each level user.

Administrator can register multiple user to permit which indoor unit(s) and which function can access.



Additional languages function

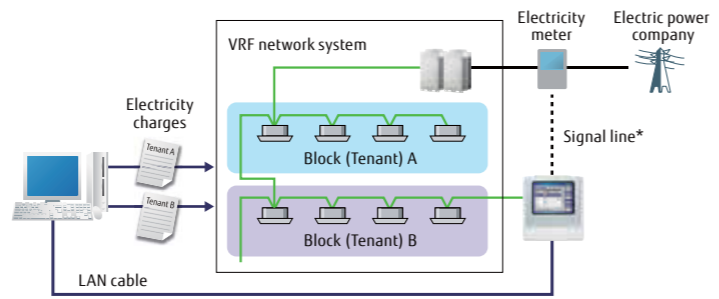
Corresponds to 7 different languages, English, Chinese, French, German, Spanish, Russian, Polish as standard. Additional language can be integrated on remote device by creating language database. Additional language is displayed on only the remote device, and Touch Panel Controller cannot be added other languages.



Features: Touch Panel Controller

Electricity charge apportionment
(Option: UTY-PTGXA)

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



*: 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.

- 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

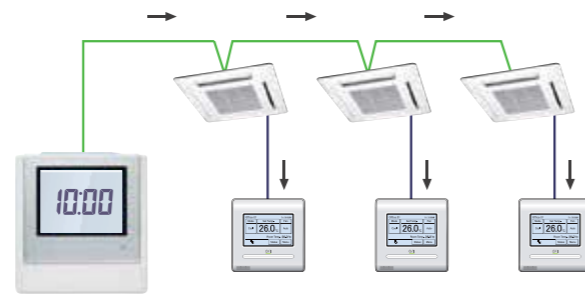
Automatic summer time setting

Providing function

- Schedule setting of summer time setting
 - It prevents the user from forgetting to set summer time. In addition, it reduces the time and labor of user.

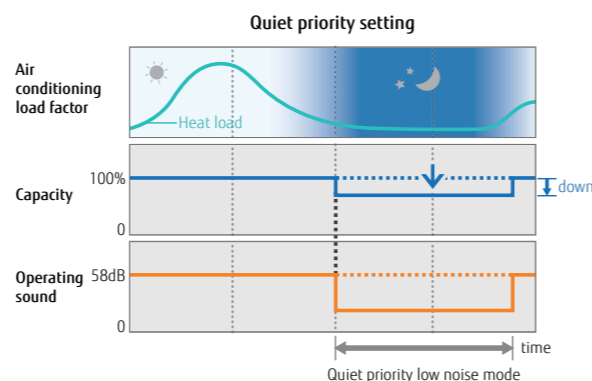
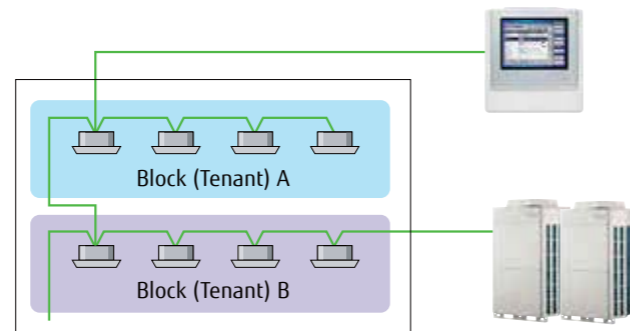
Automatic clock adjustment

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



Outdoor 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.



FUNCTIONS SUMMARY

	UTY-DTGYZ1	Monitoring side
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 louver control	●*1	●
Group setting	●	●
RC prohibition	●	●
Anti freeze setting	●	●
Set temp. auto return	—	●
Various energy saving control	—	●
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	●	●
Time zone setting	●	●
Name registration	●	●
Backlight	●	●
Language setting	●	●
Filter sign reset	●	●
Memory operation	●	●
Pattern operation	7	7+other

●: Supported ○: Optional function —: Not supported yet
*1 Only setting cancellation can be operated.
*2 This function is available only through external input control.

	UTY-DTGYZ1	Monitoring side
Timer		
Schedule timer	Period	Year
	On/off, Temp, Mode, Times per day	20
On/off timer	—	—
Sleep timer	—	—
Program timer	—	—
Auto off timer	—	●
Day off	●	●
Min. unit of timer setting (Minutes)	10	10
Control		
Status monitoring system	●	●
Electricity charge apportionment	○	○
Error history	●	●
Emergency stop	●*2	●*2
Remote management	—	●
Energy saving management	—	—
E-mail notification for malfunction	—	●
Key lock	● Password setting	—
Low noise mode	●	●

Specifications

Model name	UTY-DTGYZ1
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

NEW System Controller

UTY-APGXZ1 **Software**

Features

Max. Controllable
4 VRF network systems

Max. Controllable
400 outdoor units

Max. Controllable
1,600 indoor units

System Controller realizes 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)

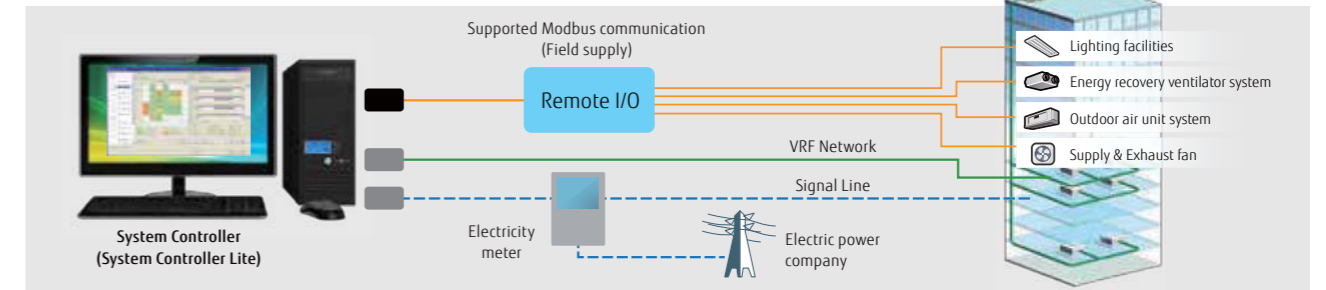


Features: System Controller/System Controller Light

3rd party devices connected by Modbus can be controlled.

Standard for System Controller **Option** for System Controller Lite UTY-PLGXX2

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.



NEW System Controller Lite

UTY-ALGXZ1 **Software**

Features

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)



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

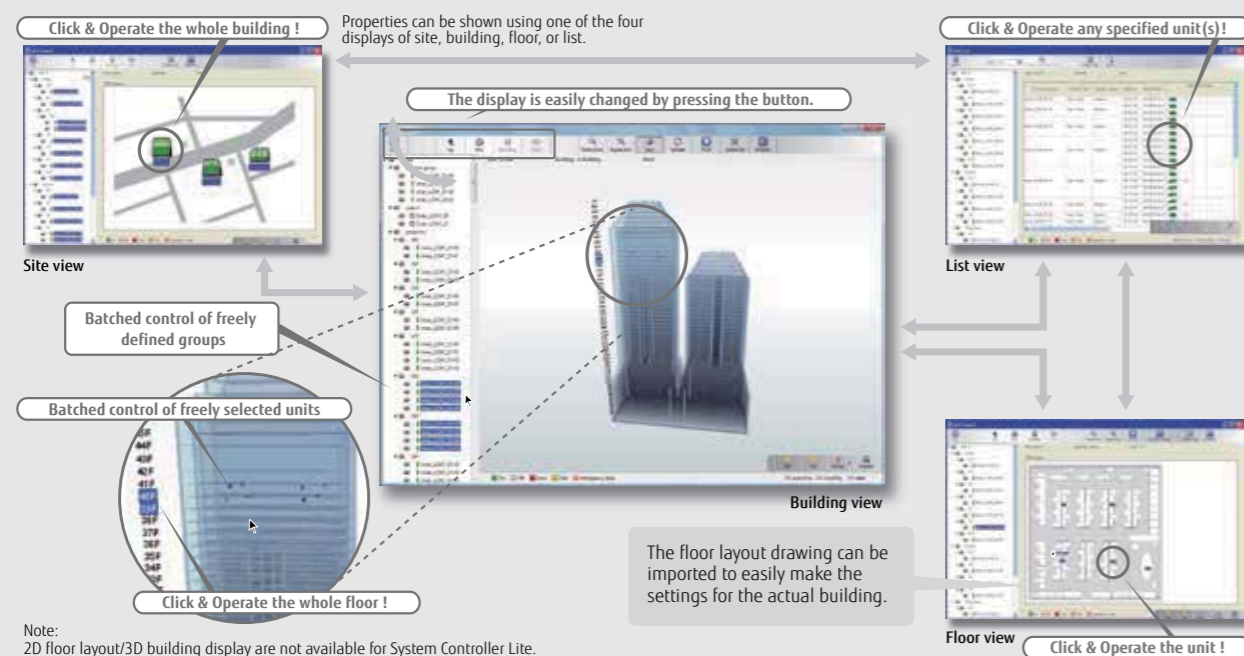
The time setting of each controller can be set in batch automatically.



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.



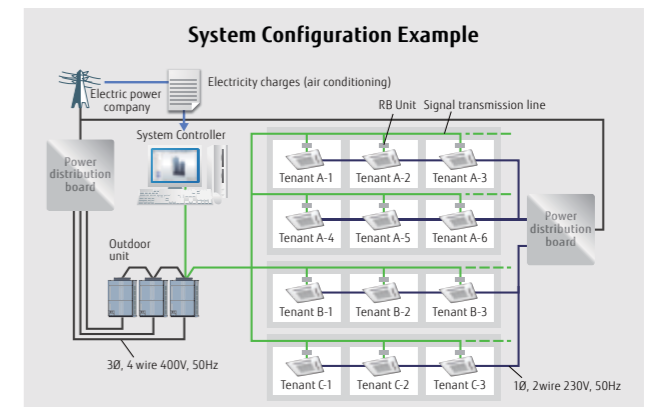
Note: 2D floor layout/3D building display are not available for System Controller Lite.

Electricity charge apportionment

Standard for System Controller
Option for System Controller Lite UTY-PLGXA2

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.



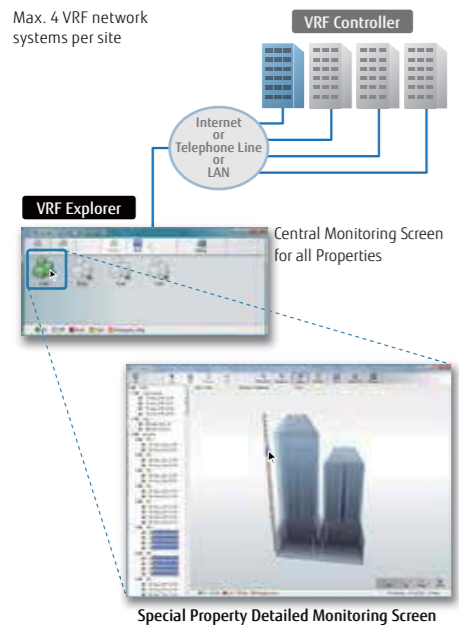
Features: System Controller/System Controller Light

Remote management

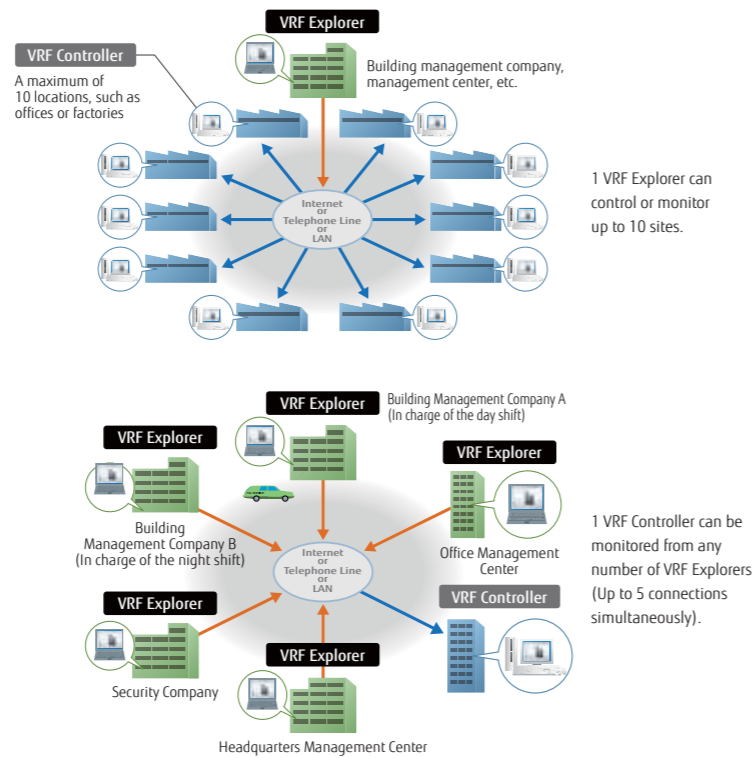
- Standard for System Controller
- Option for System Controller Lite UTY-PLGXR2

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



Remote central control



Energy saving management

- Option for System Controller UTY-PEGX
- Option for System Controller Lite UTY-PLGX2

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 analyze 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					
		UTY-APGXZ1	Option UTY-PEGXZ1	UTY-ALGXZ1	Option UTY-PLGXR2	Option UTY-PLGXA2	Option UTY-PLGXE2	Option UTY-PLGXX2	
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	—	—	—	—	
Site supervision	Max. outdoor units per System controller	400	—	100	—	—	—	—	
	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	●	—	—	—	—	—	—	
Error management	List display	●	—	●	—	—	—	—	
	Tree display	●	—	—	—	—	—	—	
	Group display	●	—	●	—	—	—	—	
	Error notification	●	—	●	—	—	—	—	
History	Audible alarm	●	—	●	—	—	—	—	
	Error e-mail notification	●	—	●	—	—	—	—	
Operation control	Error history	●	—	●	—	—	—	—	
	Operation history	●	—	●	—	—	—	—	
	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		●	—	●	—	—	—	—	
Other	Filter sign reset	●	—	●	—	—	—	—	
	Memory operation	●	—	●	—	—	—	—	
Schedule	Pattern operation	●	—	●	—	—	—	—	
	Annual Schedule	●	—	●	—	—	—	—	
	Special day setting	●	—	●	—	—	—	—	
	On / off per day	72	—	72	—	—	—	—	
	On / off per week	504	—	504	—	—	—	—	
Remote management	Day off	●	—	●	—	—	—	—	
	Min. unit of timer setting (Minutes)	10	—	10	—	—	—	—	
	Low noise mode Weekly schedule	●	—	●	—	—	—	—	
	Remote monitoring	●	—	●	—	—	—	—	
Electricity charge apportionment	Remote operation control	●	—	●	—	—	—	—	
	Remote function setting	●	—	●	—	—	—	—	
	Web Remote Controller	●	—	●	—	—	—	—	
	Apportionment charge/bill calculation	●	—	●	—	—	—	—	
	Tenant (block) setting	●	—	●	—	—	—	—	
Energy saving management	Common facilities apportionment setting	●	—	●	—	—	—	—	
	Rated power consumption allotment setting	●	—	●	—	—	—	—	
	Individual calculation at cooling and heating	●	—	●	—	—	—	—	
	Electricity meter supported	—	●*	—	—	—	—	—	
External Device Control	Indoor unit rotation	—	●	—	—	—	—	—	
	Peak cut control	—	●	—	—	—	—	—	
	Outdoor unit capacity save	—	●	—	—	—	—	—	
	Record of energy saving operation	—	●	—	—	—	—	—	
Others	Energy saving information	—	●	—	—	—	—	—	
	Power consumption monitor	—	●	—	—	—	—	—	
	Electricity meter supported	—	●	—	—	—	—	—	
Multi language	Monitor	●	—	●	—	—	—	—	
	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

The required PC specifications are shown in the following table.

	System Controller	System Controller Lite
Operating system	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	Intel® Core™ i3 2 GHz or higher
Memory	<ul style="list-style-type: none"> 2 GB or more (for Windows® 7 [32-bit]) 4 GB or more (for Windows® 7 [64-bit], Windows® 8.1, and Windows® 10) 	<ul style="list-style-type: none"> 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	40 GB or more of free space
Display	1024 x 768 or higher resolution	1024 x 768 or higher resolution
Interface	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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	Microsoft® DirectX® 9.0c compatible
Software	Adobe® Reader® 9.0 or later	Adobe® Reader® 9.0 or later

* 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	Option Remote access	Option Electricity charge apportionment	Option Energy saving	Option Central Control
Model name	UTY-APGXZ1	UTY-PEGXZ1	UTY-ALGXZ1	UTY-PLGXR2	UTY-PLGXA2	UTY-PLGXE2	UTY-PLGXX2
WHITE-USB-KEY	1	1	1	1	1	1	1

*1: Software protection key to be inserted in a USB slot running System Controller or System Controller Lite. System Controller or System Controller Lite may only run on a PC with WHITE-USB-KEY. However, WHITE-USB-KEY is not required for remote VRF Explorer software.

NEW BACnet® Gateway



UTY-ABGXZ1



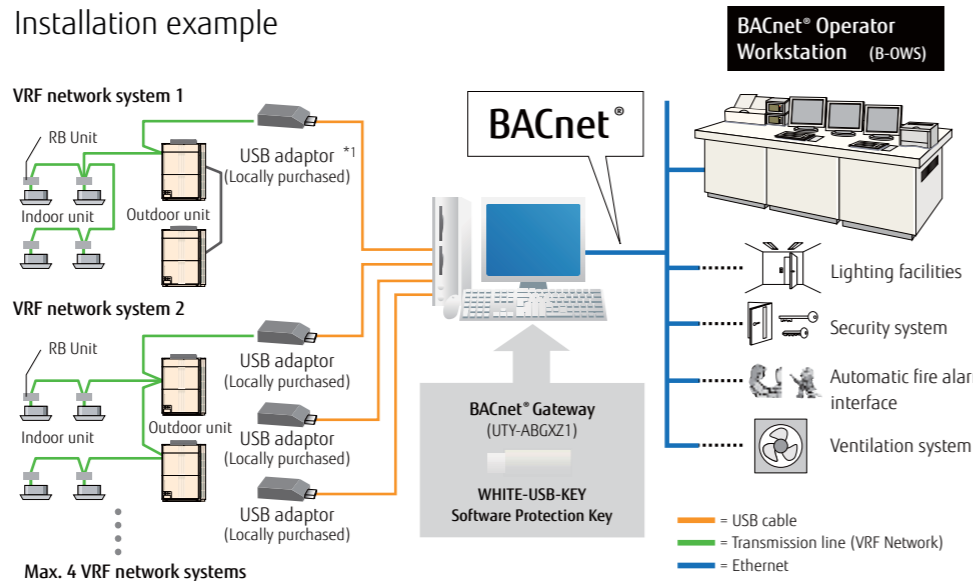
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Max. Controllable
4
VRF network systems
Max. Controllable
400
outdoor units
Max. Controllable
1,600
indoor units

Features

- 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-135-2012) 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.

Installation example



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

Personal computer system requirements

	UTY-ABGXZ1
Operating system	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Ethernet port (for getting access to the Internet using LAN) • USB ports (Maximum of 5 ports) <ul style="list-style-type: none"> - 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.

• 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.)

NEW BACnet® Gateway **Hardware**



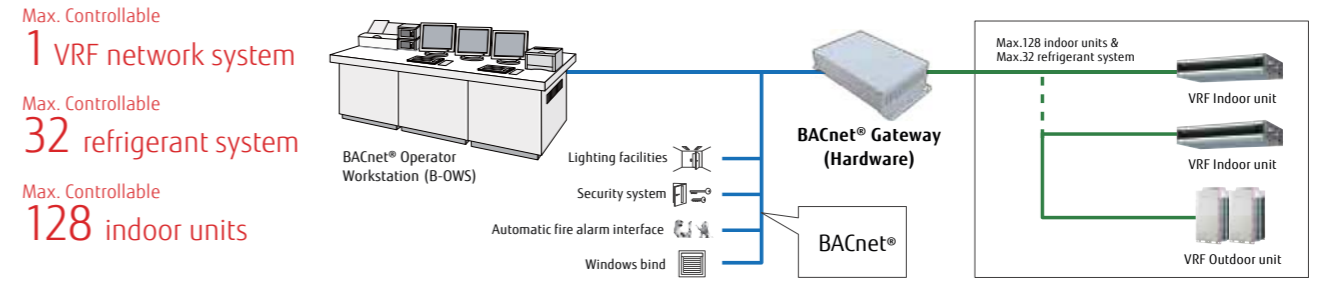
UTY-VBGX



Features

- 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-135-2010) application specific controller (B-ASC).
- Compatible with BACnet®/IP over Ethernet.

Installation example



Max. Controllable
1
VRF network system
Max. Controllable
32
refrigerant system
Max. Controllable
128
indoor units

Specifications

Model name	UTY-VBGX	Model name	UTY-VBGX
Number of controllable indoor units	128	Power Supply	208-240 V 50/60 Hz, single phase
Number of controllable refrigerant system	32	Power Consumption (W)	—
Number of controllable VRF network	1	Dimensions (H × W × D) (mm)	10-1/4 × 2-5/16 × 5-11/16 (260 × 59 × 145)
Number of connectable units / one VRF network	4	Weight (g)	—

Network Convertor for LONWORKS®



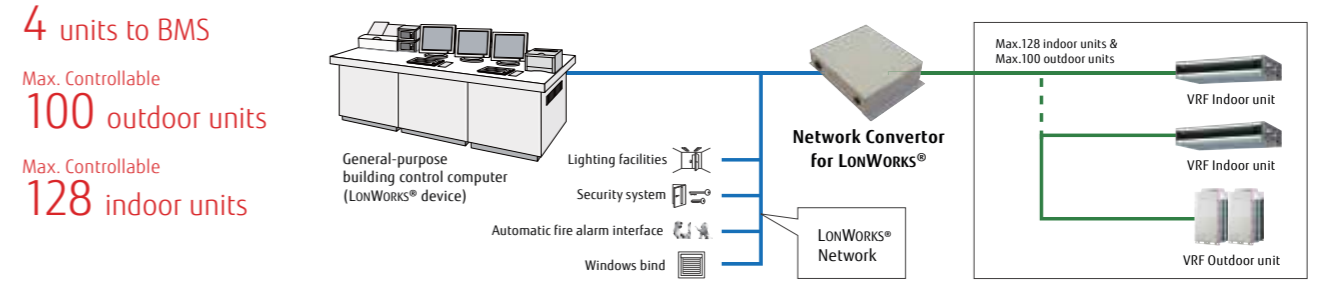
UTY-VLGX



Features

- 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	UTY-VLGX	Transmission speed	78 kbps
Power Supply	208-240 V 50/60 Hz, Single phase	Transceiver	FT-X1 (Echelon® Corporation)
Power Consumption (W)	4.5	Transmission way form	Free topology
Dimensions (H × W × D) (mm)	67 × 288 × 211	Terminal resistor	None (It attaches at the terminal of a network.)
Weight (g)	1,500		

Transmission specifications (BMS side)

MODBUS® Convertor for Indoor Unit



UTY-VMSX

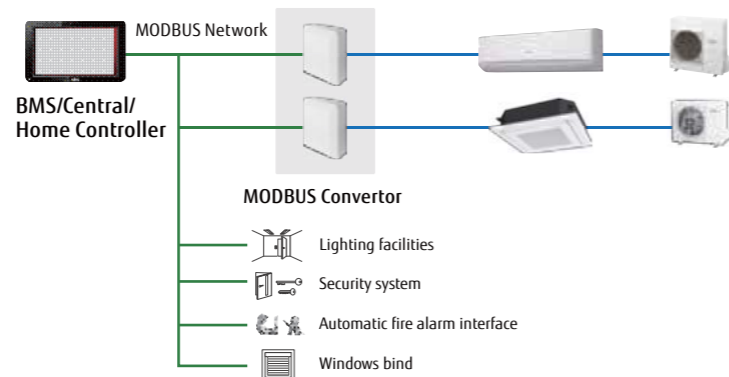


Max. Connectable
1 Single indoor unit

Features

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.

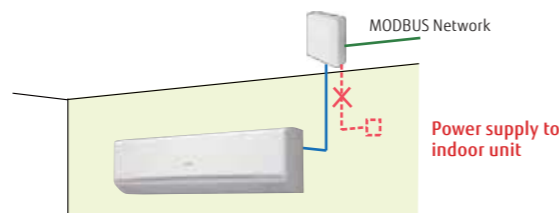


Basic control

- Turning the units on and off
- Mode control (Heat, Cool, Dry, Auto, Fan)
- Fan speed setting
- Louver 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		UTY-VMSX	
Power supply		AC 220/240 V 50/60 Hz AC 208/230 V 60 Hz	
Input Power		W	Max. 1.2
Temperature	Operating / Packaged	°C (°F)	0-46(32-114) / -10-60(14-140)
Humidity	Operating / Packaged	%	0-95 / 0-95
Dimensions (H×W×D)(in.)		mm (in.)	43 × 117 × 140
Weight(oz)		g (oz)	200(7)
Maximum Connectable indoor unit number per 1 MODBUS Convertor			1

MODBUS® Convertor



UTY-VMGX



Max. Controllable
9 units to one VRF

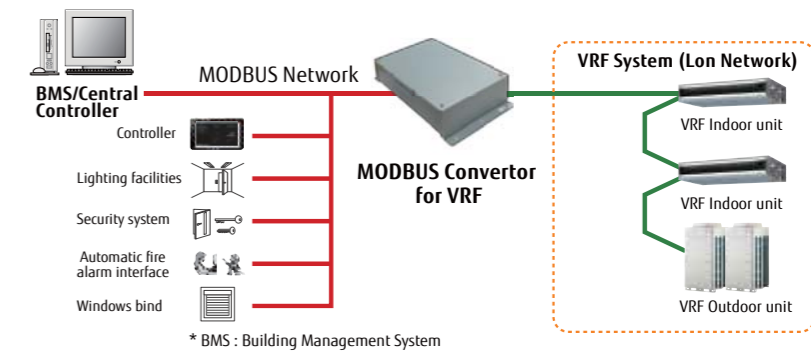
Max. Controllable
100 outdoor units

Selectable
128 indoor units

Features

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.



MODBUS® Interface



FJ-RC-MBS-1

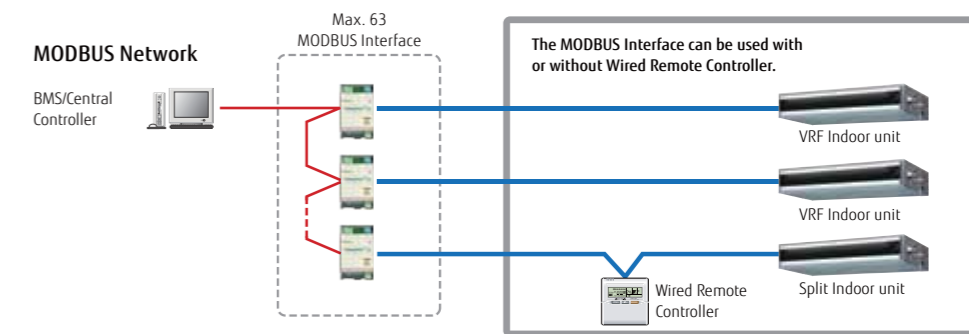


Max. Connectable
1 Single indoor unit

Features

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.



Specifications

Model name	UTY-VMGX
Power Supply	AC 220/240 V 50/60 Hz
Input power (W)	Max. 2
Dimensions (H × W × D) (mm)	54 × 260 × 150
Weight (g)	1,100

Model name	FJ-RC-MBS-1
Dimensions (H × W × D) (mm)	93 × 53 × 58
Weight (g)	85

NEW

KNX® Convertor for VRF



UTY-VKGX



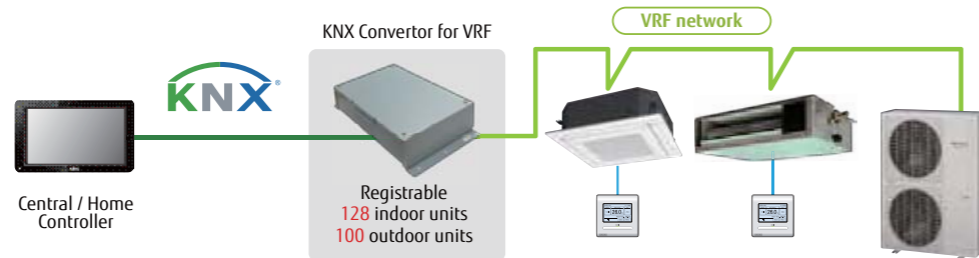
Features

KNX Convertor is useful for centralized 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.

Max. Controllable
100 outdoor units

Selectable
128 indoor units



KNX® Interface



FJ-RC-KNX-1i

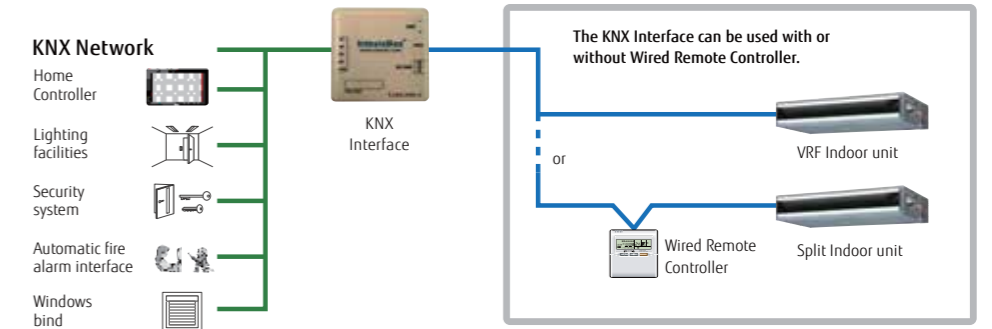


Features

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.

Max. Controllable
1 group



NEW

KNX® Convertor for Indoor Unit



UTY-VKSX

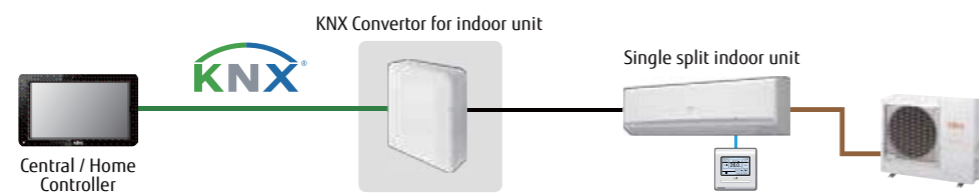


Features

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

Max. Connectable
1 Single indoor unit



Specifications

Model name	UTY-VKGX	UTY-VKSX
Power supply	208-240 V 50/60 Hz	(DC 12 V)
Power consumption (W)	1.5	0.6
Dimensions (H × W × D) (mm)	54×260×50	43×117×140
Weight (g)	1,100	250

Specifications

Model name	FJ-RC-KNX-1i
Dimensions (H × W × D) (mm)	70×70×28
Weight (g)	70



Wireless LAN Interface



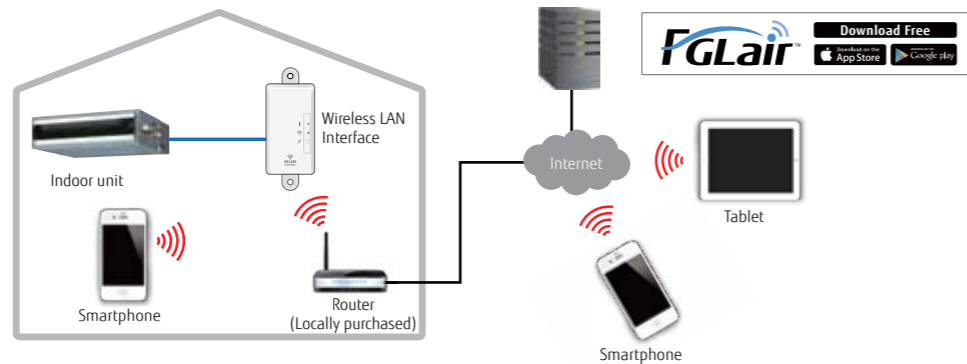
UTY-TFNXZ1 / UTY-TFSXZ1



Max. Connectable
1 Single indoor unit

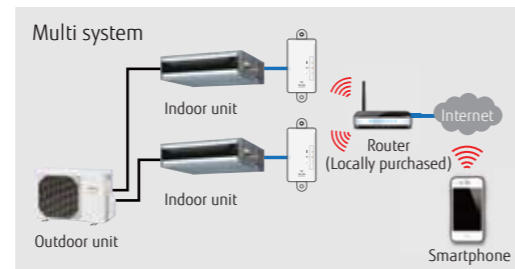
Features

- 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



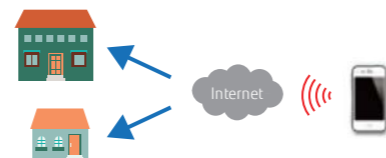
Basic control

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



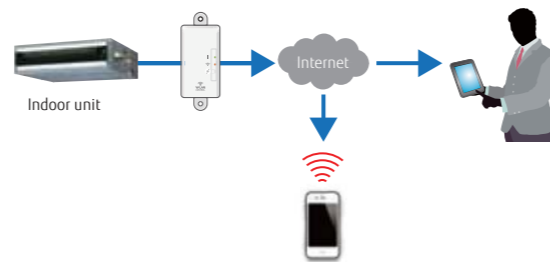
Multiple air conditioning management

- 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	UTY-TFNXZ1 / UTY-TFSXZ1
Dimensions (H × W × D) (mm)	71×38×15
Weight (g)	85

Wireless LAN Interface



FJ-RC-WIFI-1

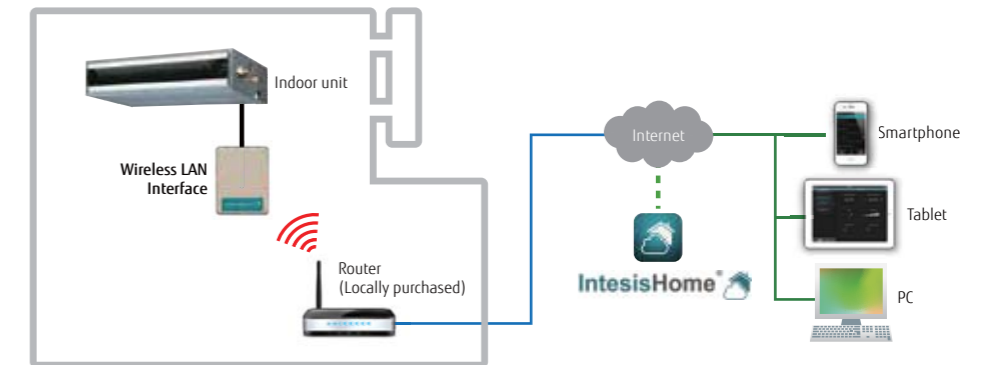


Max. Connectable
1 Single indoor unit

Features



- 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
- Louver position (Airflow direction setting)
- Room temperature display
- Set temperature control
- Multi Language
- One Scene and Timer



Advanced control (Optional functions)

- Climate working modes (ECO, Comfort, Powerful) (future release)
- Schedule functions (ON/OFF, Modes, Set point temperature, Fan Speed, Louver 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	FJ-RC-WIFI-1
Dimensions (H × W × D) (mm)	70×108×28
Weight (g)	80

NEW

External Switch Controller



UTY-TERX



Max. Controllable
1 group

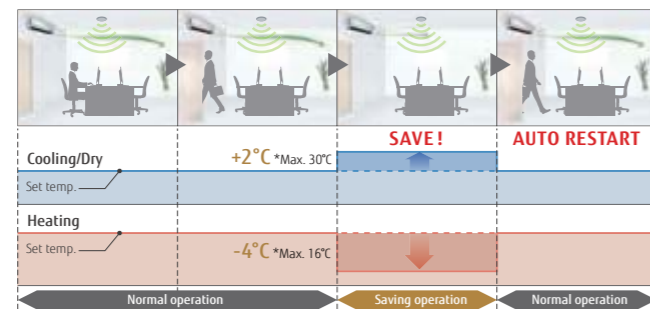
Features

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 a 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.

Signal Amplifier



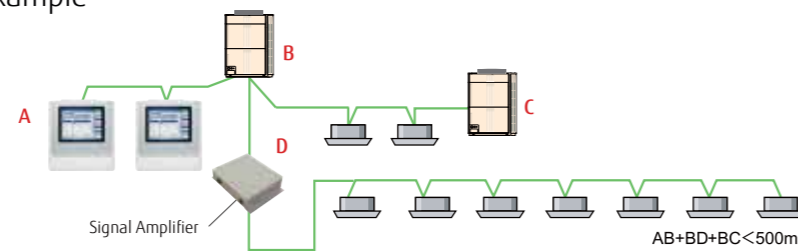
UTY-VSGXZ1



Features

- 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	UTY-TERX
Power Supply	DC 6.5-16 V
Dimensions (H × W × D) (mm)	43 × 140 × 117
Weight (g)	250

DC 12 V is supplied by the indoor unit.

Model name	UTY-VSGXZ1
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

Network Convertor for Single Split



UTY-VTGX / UTY-VTGXV



UTY-VTGX
DC power supply type



UTY-VTGXV
AC power supply type

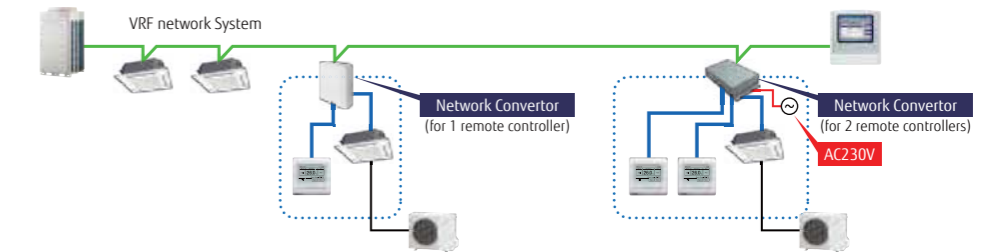
Max. Controllable
16
single indoor units
Max. Controllable
100
Network Convertors

Features

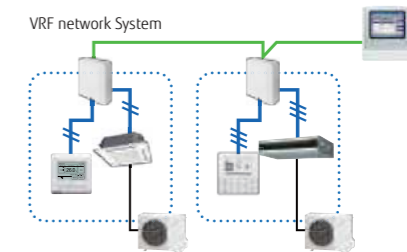
- The network convertors are required when connecting single split system to VRF network system.
- Compact and light weight design
- Connectable to both types of 2-wire and 3-wire remote controllers

Installation example.

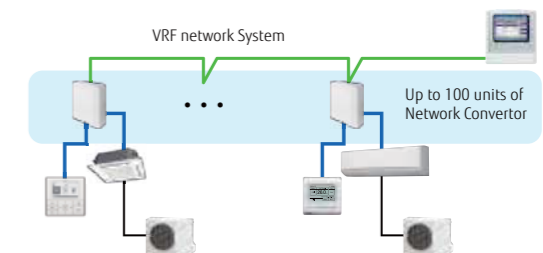
- 2 types of 1 remote controller type and 2 remote controllers type are available.
- Power supply (AC220-240V, 50/60 Hz) is required for 2 remote controllers type.



- 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	UTY-VTGX		UTY-VTGXV
	polar 3-wire DC 12 V	non-polar 2-wire DC 12 V	50/60 Hz AC 220/240 V
Power Supply			
Input power (W)	Max. 1.2		Max. 3
Dimensions (H × W × D) (mm)	43 × 117 × 140		54 × 260 × 150
Weight (g)	250		1,100