

Light Commercial & Residential SPLIT & MULTI-SPLIT

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

An air conditioner that is people-friendly is also environment-friendly. Fujitsu General meets various needs for from living rooms and bedrooms to stores, small offices and hotels.

S-002 SPLIT

- Refrigerant type R32 models
 - Wall Mounted
 - Cassette
 - Duct
 - Ceiling
- Refrigerant type R410A models
 - Wall Mounted
 - Cassette
 - Duct
 - Floor
 - Floor/Ceiling
 - Ceiling

S-090 MULTI-SPLIT

- Refrigerant type R32 models
 - 2-unit Multi-split
 - Simultaneous Multi-split Twin/Triple
- Refrigerant type R410A models
 - 2-unit to 8-unit Multi-split
 - Simultaneous Multi-split



SPLIT & MULTI-SPLIT

Light Commercial &
Residential



Light Commercial & Residential SPLIT

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Refrigerant type R32 models

Wall Mounted

- S-016 Flagship Series
- S-018 Designer Series
 - High Spec & Design
 - Cool Beauty Design
- S-022 Standard Series
 - High Efficiency & Comfort
 - High Efficiency & Large Room
- S-028 ECO Series
 - Compact & Comfort
 - Comfort for Large Room

Cassette

- S-044 Compact 4-way Flow Series – Compact & Comfort
- S-048 Circular Flow Series – Comfort for Large Room

Duct

- S-056 Slim Duct – Slim & Comfort
- S-060 Medium Static Pressure Duct – Compact & Comfort
- S-064 Medium Static Pressure Duct – Standard
- S-068 High Static Pressure Duct

Ceiling

- S-078 Ceiling



Refrigerant type R410A models

Wall Mounted

- S-032 Designer Series
 - High Spec & Design
 - High COP
- S-036 Standard Series
 - High Efficiency & Comfort
 - Comfort for Large Room
- S-042 ECO Series – Compact & Comfort

Cassette

- S-046 Compact 4-way Flow Series – Compact & Comfort
- S-050 Circular Flow Series – Comfort for Large Room
- S-052 4-way Flow Series – Comfort for Large Room

Duct

- S-054 Mini Duct – Built-in Drain Pump
- S-058 Slim Duct – Slim & Comfort
- S-062 Medium Static Pressure Duct – Compact & Comfort
- S-066 Medium Static Pressure Duct – Standard
- S-070 High Static Pressure Duct
- S-072 Big Duct

Floor, Floor/Ceiling, Ceiling

- S-074 Floor – Compact & Comfort
- S-076 Floor/Ceiling – Comfort & Dual Design
- S-080 Ceiling – Comfort for Large Room



Split Overview

Fujitsu General provides its customers with 6 types and 128 models air conditioning system ideal for various customer applications and layout. Environment-friendly new refrigerant R32 models are added.



Wall Mounted

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



Cassette

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



Duct

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



Floor

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



Floor/Ceiling

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



Ceiling

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

Indoor Units Lineup



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

Type	Series	Refrigerant	Model	Class				Class							
				7	9	12	14	18	22	24	30	36	45	54	
Wall Mounted	Flagship Series nocria X					ASYG12KXCA									
	Designer Series High Spec & Design			ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB								
	Designer Series Cool Beauty Design			ASYG07KETA ASYG07KETA-B	ASYG09KETA ASYG09KETA-B	ASYG12KETA ASYG12KETA-B	ASYG14KETA ASYG14KETA-B								
	Standard Series High Efficiency & Comfort			ASYG07KMCC*	ASYG09KMCC*	ASYG12KMCC*	ASYG14KMCC*								
	Standard Series High Efficiency & Large Room							ASYG18KMTA		ASYG24KMTA					
	Standard Series High Efficiency & Large Room										ASYG30KMTA	ASYG36KMTA			
	ECO Series Compact & Comfort			ASYG07KPCA	ASYG09KPCA	ASYG12KPCA									
	ECO Series Comfort for Large Room							ASYG18KLCA*		ASYG24KLCA*					
Cassette	Compact 4-way Flow Series Compact & Comfort				AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA					
	Circular Flow Series Comfort for Large Room		 18/22/24 30/36/45/54					AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	
Duct	Slim Duct		 09/12/14 18		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP							
	Medium Static Pressure Duct Compact & Comfort		 12/14 18/22/24/30 36/45/54			ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	
	Medium Static Pressure Duct Standard								ARXG22KMLA	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA		
	High Static Pressure Duct												ARXG45KHTA	ARXG54KHTA	
Ceiling			 18/22 24/30 36/45/54					ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA	



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

Feature

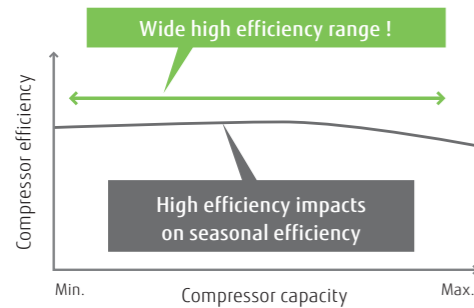
High Efficiency

ALL DC All DC Inverter Technology



DC twin rotary compressor

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



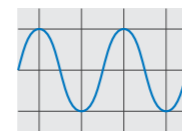
DC fan motor

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



Sine-wave DC inverter control

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



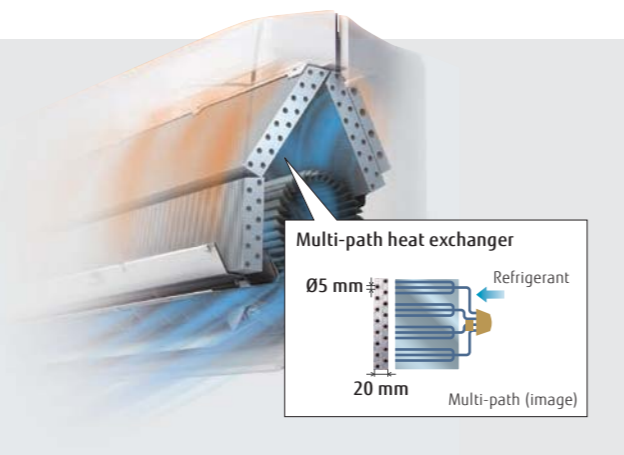
Heat Exchanger for Wall Mounted

High density multi-path heat exchanger

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

High performance sub-cool heat exchanger

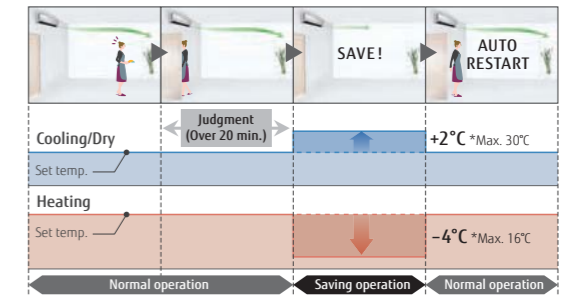
Higher performance achieved by mounting of counter type bypass circuit. (Large multi-split type, VRF)



High Energy Saving

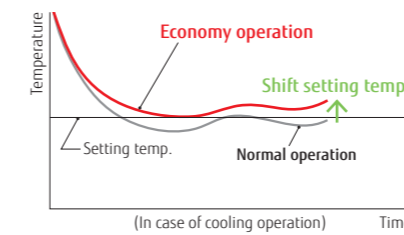
Human sensor control

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



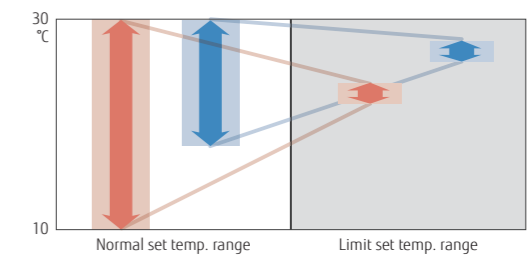
Economy operation

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



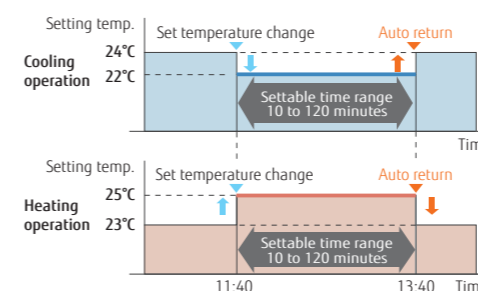
Room temperature set point limitation

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



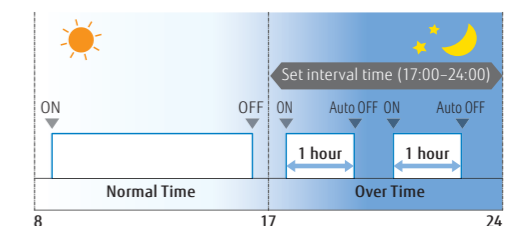
Set temperature auto return

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

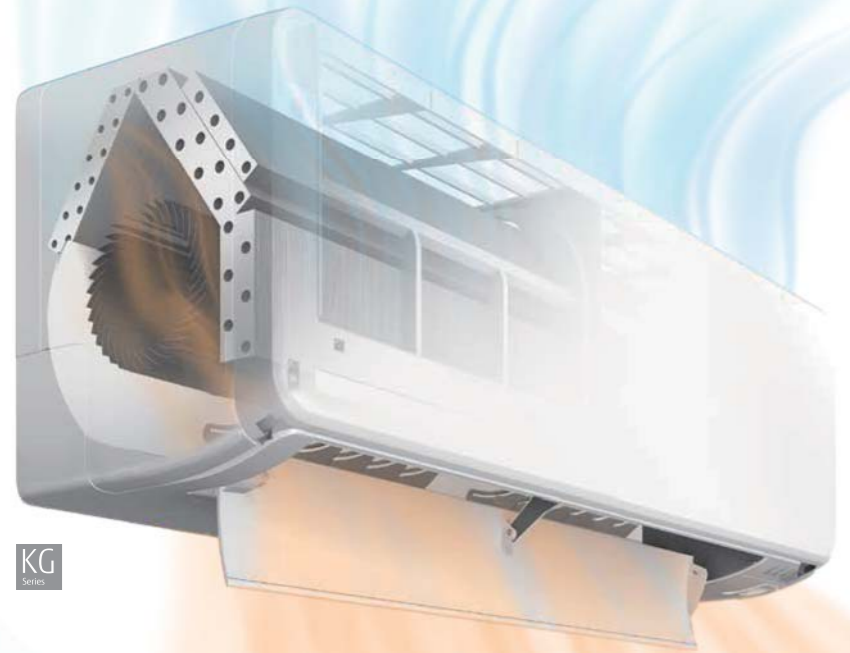


Auto-off timer

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



More Comfort



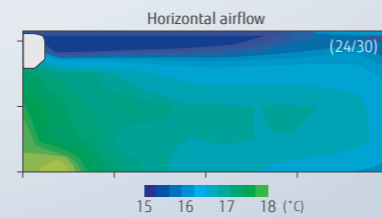
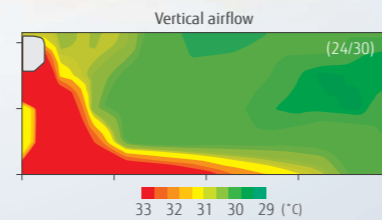
KG Series

Powerful heating

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

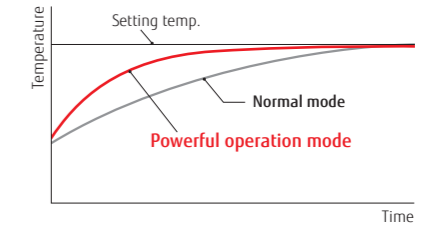
Power diffuser

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



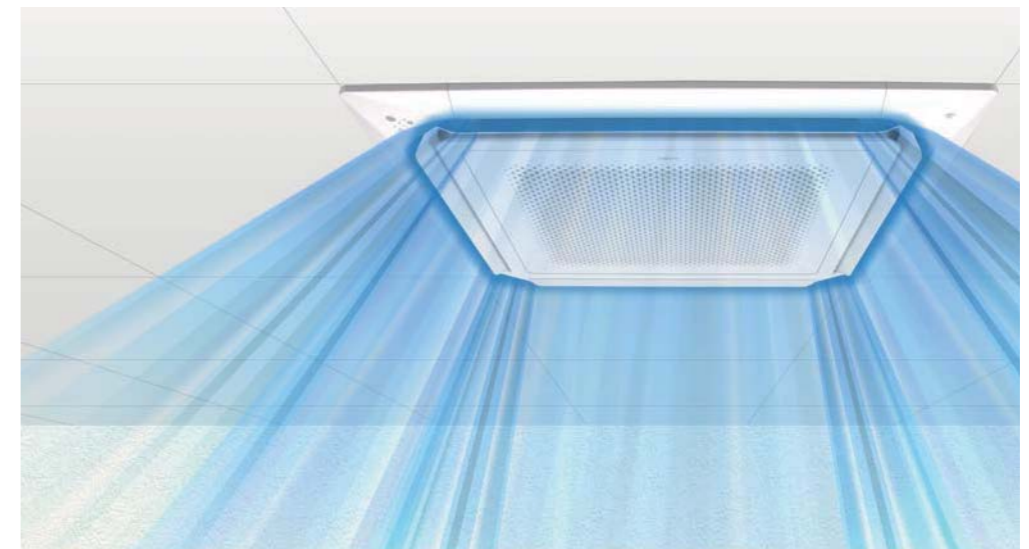
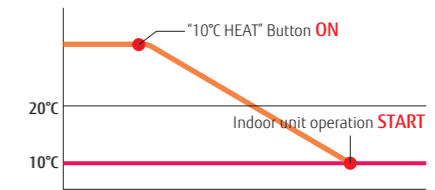
Powerful operation

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



10°C Heat operation

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



Uniform air conditioning

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



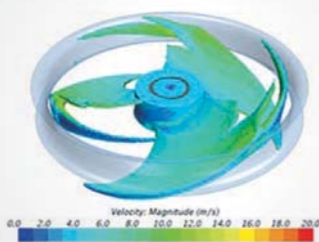
Quiet and Comfort Control



Low Noise Technology

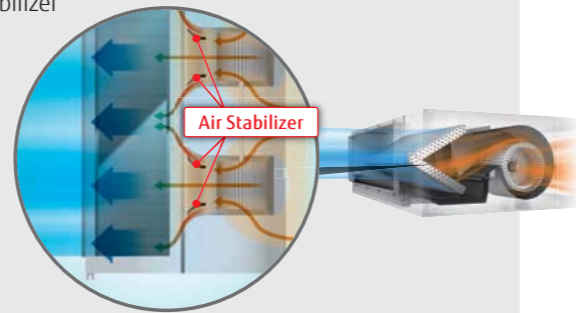
Outdoor unit fan

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



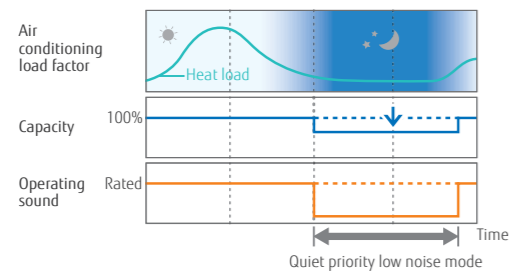
Air stabilizer in Duct

Low noise duct structure with a built-in air stabilizer



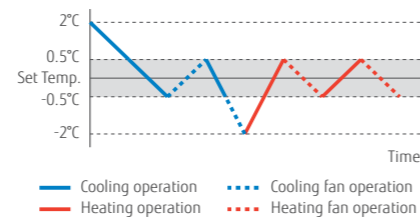
Outdoor unit low noise operation

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



Auto-changeover function

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



Fresh air intake for Cassette, Duct, Ceiling

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



Feature Explanation

Energy Saving Function

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

Comfortable Function

- Powerful heating**
Keeping the rated heating capacity even when the outdoor ambient temperature is -7°C.
- Powerful mode**
Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.
- Auto-changeover**
The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- Automatic fan speed**
The micro-computer automatically adjusts the airflow effectively to follow the changes of room temperature.
- Fresh air intake**
Fresh air can be taken in by a fan which can be connected using external control unit.
- Power diffuser**
An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.
- 10°C HEAT operation**
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.
- Up/down swing flaps**
The up/down flaps automatically swing up and down.
- Auto restart**
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once power supply is restored.
- Connectable distributing duct**
Systems are capable of attaching Locally purchased branch ducts distributing the airflow.
- Server room operation**
Interlock operation is possible by connecting 2 indoor units even in the low temperature.
- Low noise mode**
Sound noise level of outdoor unit can be selected.
- Double swing automatic**
Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.
- Connectable fresh air duct**
Outside air can be introduced by attaching Locally purchased duct to fresh air knockout and optional part.
- Individual airflow direction control**
Each 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.
- Weekly timer**
Different ON-OFF times can be set for each day.
- External error output**
- Sleep timer**
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
- Weekly + setback timer**
Weekly + Setback timer can set temperature for two times spans and for each day of the week.
- External ON/OFF input**
- Program timer**
This digital timer allows selection of one of four options: ON, OFF, ON + OFF or OFF + ON.
- Filter sign**
Indicates the filter cleaning period by lamp.
- Wireless LAN control**
The exclusive Wireless LAN adaptor enables to operate the air conditioner by smartphone or tablet PC from outside.

Clean Function

- Plasma air clean**
The electrostatic precipitator removes dust particles such as pollens and house dust. It is washable and can be always maintained clean.
- Apple-catechin filter**
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.
- Filter auto clean**
The dust collected by the air filter is automatically removed. A routine disposal of the dust stored in the dust box is necessary.
- Long life filter**
- Ion deodorization filter**
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.
- Washable panel**
Since the front panel is easy to remove, maintenance is also easy.

Installation

- Automatic airflow adjustment**
Automatically detects required airflow in each application case and adjusts the volume.
- Drain pump as standard**
- Blue fin**



Wall Mounted Flagship Series

nocria™ X



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



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

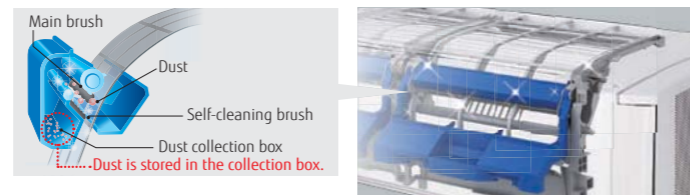


*1: Announced 2012. In room air conditioner for the home (Our company's investigation)

Filter Auto Clean



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



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

Plasma Air Clean

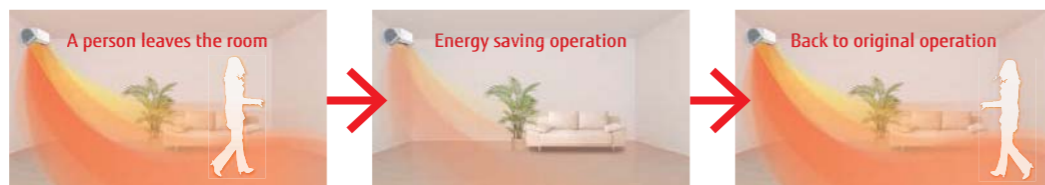
Air is cleaned with an electric dust collecting technology. Pollen, house dust and other tiny pollutants are collected and removed with static electricity.



Human Sensor

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

Rank **A+++** SEER **8.5** SCOP **5.1**



Model: ASYG12KXCA

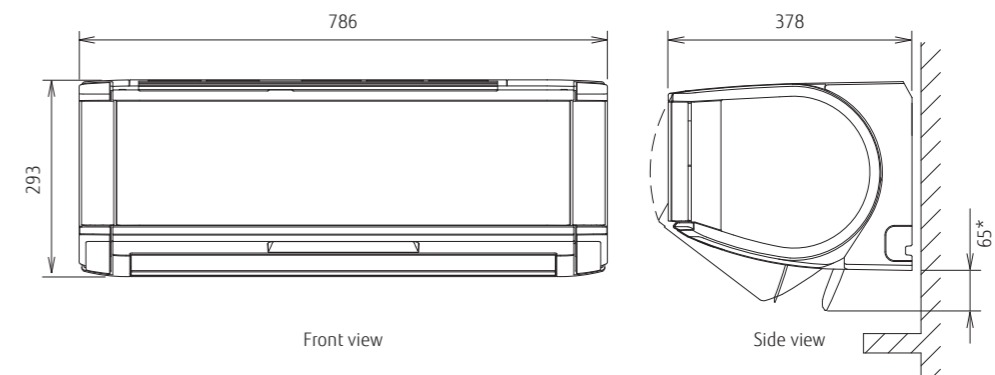


Specifications

Model No.	Indoor unit		Outdoor unit		ASYG12KXCA		AOYG12KXCA	
Power Source					Single phase, ~230V, 50Hz			
Capacity	Cooling		kW			3.4 (0.6-5.3)		
	Heating					5.0 (0.6-9.0)		
Input Power	Cooling/Heating		kW			0.670/1.020		
	Cooling			W/W			5.09	
EER	Heating						4.90	
	Cooling/Heating(-10°C)			kW			3.4/3.5	
SEER	Cooling		W/W				8.50	
	Heating (Average)						5.10	
Energy Efficiency Class	Cooling				A+++			
	Heating (Average)				A+++			
Max. Operating Current	Cooling/Heating		A			9.0/16.0		
	Cooling			kWh/a			140	
Annual Energy Consumption	Heating						961	
				l/h			1.2	
Moisture Removal	Indoor (Cooling)	H/M/L/Q			46/42/38/28			
	Indoor (Heating)	H/M/L/Q			48/43/39/30			
Sound Pressure Level	Outdoor(Cooling/Heating)	High	dB(A)			44/43		
	Indoor(Cooling/Heating)	High				58/62		
Sound Power Level	Outdoor(Cooling/Heating)	High			57/57			
	Indoor / Outdoor (Cooling)	High	m³/h			670/2,230		
Airflow Rate	Indoor / Outdoor (Heating)	High				810/1,975		
	Net Dimensions H x W x D	Indoor		mm			293×786×378	
Outdoor					704×820×315			
Weight	Indoor		kg(lbs)			20 (44)		
	Outdoor					41 (90)		
Connection Pipe Diameter (Liquid / Gas)			mm			6.35/9.52		
Drain hose Diameter (I.D./O.D.)						11.8/15.0 to 16.8		
Max Pipe Length (Pre-Charge)			m			15 (15)		
Max Height Difference						10		
Operation Range	Cooling		°CDB			-10 to 43		
	Heating					-15 to 24		
Refrigerant Charge	Type (Global Warming Potential)				R32 (675)			
	Charge		kg(CO2eq-T)		1.30 (0.878)			

Dimensions

(Unit : mm)



*Dimensions in case of air flowing downward

Wall Mounted Designer Series

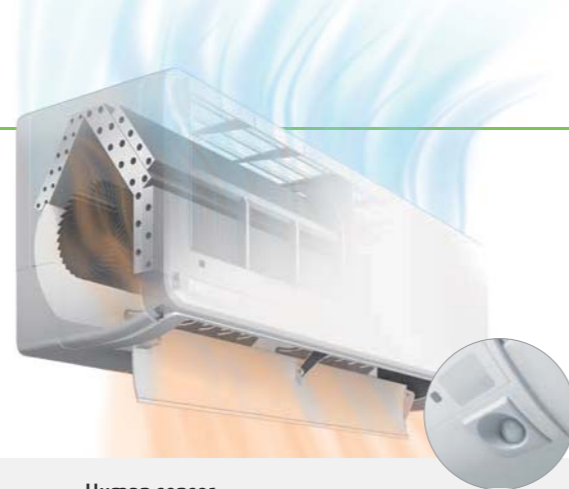
High Spec & Design



High energy saving

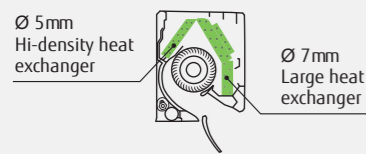
Top class high efficiency is achieved by high efficient lamda heat exchanger, large cross flow fan and new refrigerant.

Rank **A+++** SEER **8.5** SCOP **5.1**
*1: 07, 09, 12 models



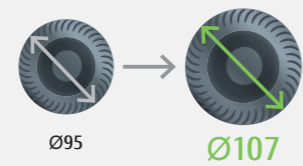
Hybrid-heat exchanger

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



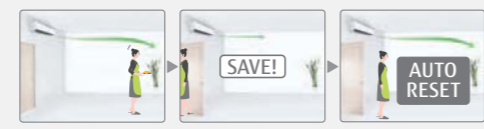
Ø107 Large cross-flow fan

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



Human sensor

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



Comfortable airflow & Silent operation

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



Smart device Control (Option)

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



Wireless LAN Interface

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

Model: ASYG07KGTB / ASYG09KGTB / ASYG12KGTB / ASYG14KGTB



Specifications

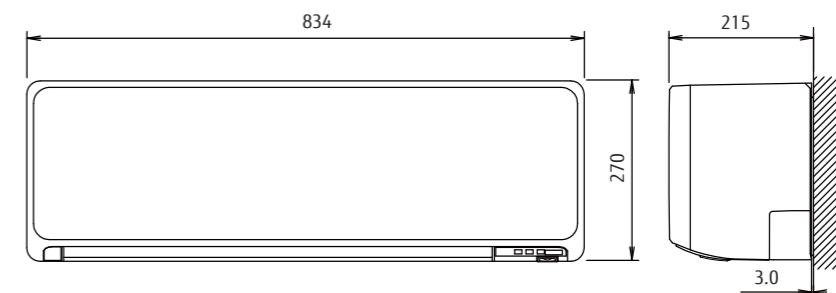
Model No.	Indoor unit		ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB
	Outdoor unit		AOYG07KGCA	AOYG09KGCA	AOYG12KGCA	AOYG14KGCA
Power Source	Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0 (0.9-3.2)	2.5 (0.9-3.4)	3.4 (0.9-4.1)	4.2 (0.9-4.5)
	Heating	kW	2.5 (0.9-5.2)	2.8 (0.9-5.4)	4.0 (0.9-6.1)	5.4 (0.9-6.4)
Input Power	Cooling/Heating		0.400/0.500	0.555/0.560	0.805/0.910	1.175/1.350
EER	Cooling		5.00	4.50	4.22	3.57
COP	Heating		5.00	5.00	4.40	4.00
	Cooling/Heating(-10°C)		2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		8.52	8.52	8.51	7.11
SCOP	Heating (Average)		5.12	5.11	5.10	4.31
Energy Efficiency Class	Cooling		A+++	A+++	A+++	A++
	Heating (Average)		A+++	A+++	A+++	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		82	103	140	207
	Heating		628	658	685	1,298
Moisture Removal			1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/19	40/34/29/19	40/35/30/19	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/21	42/36/31/21	42/38/33/21	44/39/33/24
	Outdoor(Cooling/Heating)	High	46/46	46/48	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	54/56	55/57	56/58	57/59
	Outdoor(Cooling/Heating)	High	61/62	61/63	65/66	65/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	650/1,610	700/1,610	700/1,680	770/1,680
	Indoor / Outdoor (Heating)	High	720/1,560	750/1,610	770/1,580	800/1,580
Net Dimensions H x W x D	Indoor		270×834×215	270×834×215	270×834×215	270×834×215
	Outdoor		542×799×290	542×799×290	542×799×290	542×799×290
Weight	Indoor		10 (22)	10 (22)	10 (22)	10 (22)
	Outdoor		30 (66)	30 (66)	31 (68)	32 (71)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52			
Drain hose Diameter (I.D./O.D.)			11.8/15.0 to 16.8			
Max Pipe Length (Pre-Charge)			20 (15)			
Max Height Difference			15			
Operation Range	Cooling		-10 to 46			
	Heating		-15 to 24			
Refrigerant	Type (Global Warming Potential)		R32 (675)			
	Charge	kg(CO2eq-T)	0.75 (0.506)	0.75 (0.506)	0.85 (0.574)	0.85 (0.574)

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	Wireless LAN Interface:	UTY-TFSXW1	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Communication Kit:	UTY-TWRXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY	KNX® Converter:	UTY-VKXS		
Simple Remote Controller (Without operation mode):	UTY-RHRY	MODBUS® Converter:	UTY-VMSX		
Simple Remote Controller:	UTY-RSRY	External input and output PCB:	UTY-XCSXZ2		
External Switch Controller:	UTY-TERX	External Connect Kit:	UTY-XWZX		

Dimensions

(Unit : mm)



Wall Mounted Designer Series

Cool Beauty Design



Cool Beauty Design

What we aim is a well-designed air conditioner especially for Europe. It is different from Japanese one harmonized with its surroundings and it appeals comfortable elegant feeling in the room. Light-elegant and three-dimensional expression composed of curved surface is beautiful from anywhere.

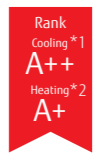


CMF : COLOR MATERIAL FINISH

The texture of the front panel expresses craftsmanship existing in Europe. The texture changes the expression by the changing light of the day.

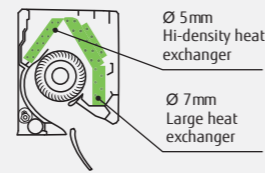
High energy saving

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



SEER **7.4** *1
 SCOP **4.4** *2
 *1: 07/09 models *2: 12 model

Hybrid-heat exchanger



Ø107 Large cross-flow fan



Comfortable airflow & Silent operation

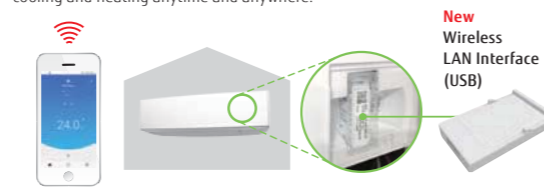
The big louver and the new air blowing structure have attained a comfortable air flow that spreads wider to user's feet and silent operation.



Smart Device control (Option)

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

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



Model: ASYG07KETA / ASYG09KETA / ASYG12KETA / ASYG14KETA
 ASYG07KETA-B / ASYG09KETA-B / ASYG12KETA-B / ASYG14KETA-B



Peal white X White



Silver X Dark gray



Wireless R.C.



For ASYG07/09/12KETA-B



For ASYG14KETA-B

Specifications

Model No.	Indoor unit		ASYG07KETA ASYG07KETA-B	ASYG09KETA ASYG09KETA-B	ASYG12KETA ASYG12KETA-B	ASYG14KETA ASYG14KETA-B
	Outdoor unit		AOYG07KETA	AOYG09KETA	AOYG12KETA	AOYG14KETA
Power Source	Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0 (0.9 - 3.0)	2.5 (0.9 - 3.2)	3.4 (0.9 - 3.9)	4.2 (0.9 - 4.4)
	Heating		2.5 (0.9 - 3.4)	2.8 (0.9 - 4.0)	4.0 (0.9 - 5.3)	5.4 (0.9 - 6.0)
Input Power	Cooling/Heating	kW	0.450 / 0.555	0.630 / 0.620	0.935 / 0.960	1.220 / 1.410
EER	Cooling	W/W	4.43	3.97	3.65	3.44
	Heating		4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating(-10°C)	kW	2.0 / 2.3	2.5 / 2.4	3.4 / 2.5	4.2 / 4.0
SEER	Cooling	W/W	7.40	7.40	7.30	6.9
	Heating (Average)		4.10	4.10	4.40	4.1
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0
Annual Energy Consumption	Cooling	kWh/a	95	118	163	213
	Heating		785	819	795	1,367
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38 / 33 / 29 / 20	40 / 34 / 29 / 20	40 / 35 / 30 / 20	43 / 36 / 30 / 20
	Indoor (Heating)	H/M/L/Q	41 / 35 / 31 / 22	42 / 36 / 31 / 22	42 / 38 / 33 / 22	44 / 39 / 33 / 24
Sound Power Level	Outdoor (Cooling/Heating)	High	46 / 46	46 / 46	50 / 50	50 / 50
	Indoor (Cooling/Heating)	High	54 / 56	55 / 57	55 / 58	57 / 59
Airflow Rate	Indoor / Outdoor (Cooling)	High	650 / 1,650	700 / 1,650	700 / 1,700	770 / 1,680
	Indoor / Outdoor (Heating)	High	720 / 1,450	750 / 1,450	770 / 1,470	800 / 1,580
Net Dimensions	Indoor	mm	295×950 (wall side : 840)×230			
	Outdoor	mm	541×663×290	541×663×290	541×663×290	542×799×290
Weight	Indoor	kg(lbs)	11(24)	11(24)	11(24)	11.5(25)
	Outdoor	kg(lbs)	23(51)	23(51)	25(55)	31(68)
Connection Pipe Diameter (Liquid / Gas)			6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
Drain hose Diameter (I.D./O.D.)		mm	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg(CO2eq-T)	0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

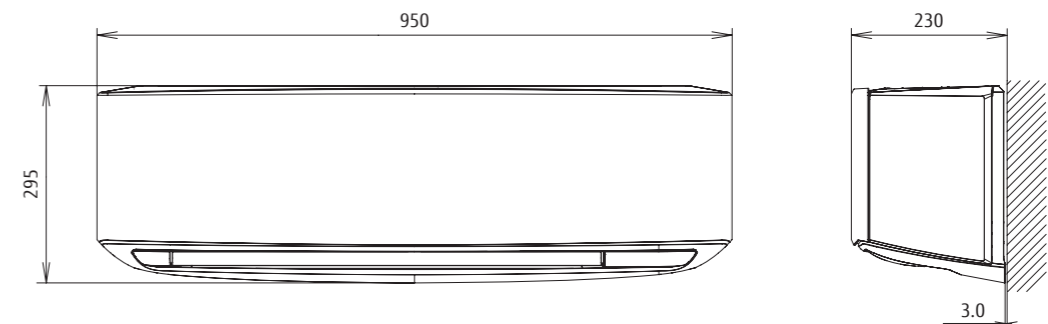
Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	Communication Kit:	UTY-TWRXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	External input and output PCB:	UTY-XCSXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY	External Connect Kit:	UTY-XWZXZ5	KNX® Converter:	UTY-VKSX*
Simple Remote Controller (Without operation mode):	UTY-RHRY	External Switch Controller:	UTY-TERX	MODBUS® Converter:	UTY-VMSX*
Simple Remote Controller:	UTY-RSRY	Wireless LAN Interface:	UTY-TFSXF2		

*: It can be used only when the wireless LAN interface (UTY-TFSXF2) is removed.

Dimensions

(Unit : mm)



Wall Mounted Standard Series

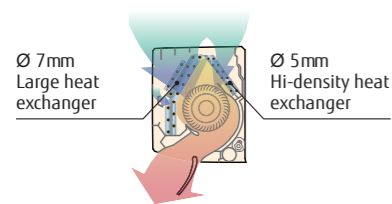
High Efficiency & Comfort



Slim & stylish square design

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

Hybrid-heat exchanger



High energy saving

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

Rank Cooling **A++** Heating **A+**

SEER **7.4** *1 SCOP **4.4** *2

*1: 07/09 models *2: 12 model

Comfortable airflow & Silent operation

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



Smart device Control (Option)

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

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

Model: ASYG07KMCC / ASYG09KMCC / ASYG12KMCC / ASYG14KMCC



Specifications

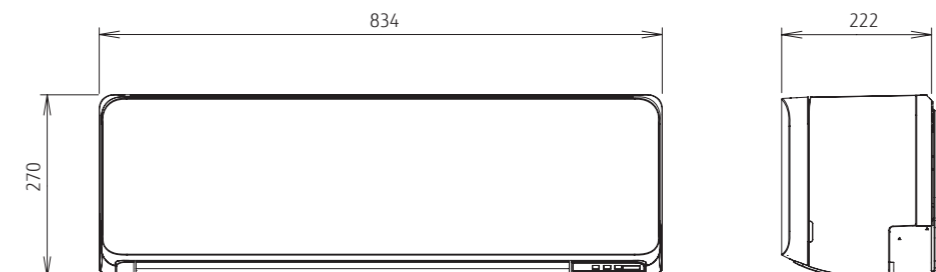
Model No.	Indoor unit		ASYG07KMCC	ASYG09KMCC	ASYG12KMCC	ASYG14KMCC
	Outdoor unit		AOYG07KMCC	AOYG09KMCC	AOYG12KMCC	AOYG14KMCC
Power Source	Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)
	Heating	kW	2.5 (0.9-3.4)	2.8 (0.9-4.0)	4.0 (0.9-5.3)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
	Cooling	W/W	4.43	3.97	3.65	3.44
EER	Heating		4.52	4.52	4.17	3.83
	Cooling/Heating(-10°C)	kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		7.40	7.40	7.30	6.90
	Heating (Average)		4.10	4.10	4.40	4.10
SCOP	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
	Cooling	kWh/a	95	118	163	213
Annual Energy Consumption	Heating		785	819	795	1367
	Moisture Removal		l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Outdoor(Cooling/Heating)	High	46/46	46/46	50/50	50/50
	Indoor(Cooling/Heating)	High	54/56	55/57	55/58	57/59
Airflow Rate	Indoor / Outdoor (Cooling)	High	650/1,650	700/1,650	700/1,700	770/1,680
	Indoor / Outdoor (Heating)	High	720/1,450	750/1,450	780/1,470	820/1,580
Net Dimensions H x W x D	Indoor	mm	270×834×222	270×834×222	270×834×222	270×834×222
	Outdoor	mm	541×663×290	541×663×290	541×663×290	542×799×290
Weight	Indoor	kg(lbs)	10 (22)	10 (22)	10 (22)	10 (22)
	Outdoor	kg(lbs)	22 (49)	22 (49)	24 (53)	31 (68)
Connection Pipe Diameter (Liquid / Gas)	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)	mm		11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max Pipe Length (Pre-Charge)	m		20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference	m		15	15	15	15
	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Operation Range	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Type (Global Warming Potential)	R32 (675)				
Refrigerant Charge	kg(CO2eq-T)		0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM, UTY-RSNYM
- Simple Remote Controller: UTY-RSNYM
- External connect kit: UTY-XWZXZ5
- Communication kit: UTY-TWBXF2
- Wireless LAN Interface: UTY-TFSXW1
- KNX® Convector: UTY-VKXS
- MODBUS® Convector: UTY-VMSX
- External Switch Controller: UTY-TERX
- Network Convector for single split (DC power supply type): UTY-VTGX
- Network Convector for single split (AC power supply type): UTY-VTGXV

Dimensions

(Unit : mm)



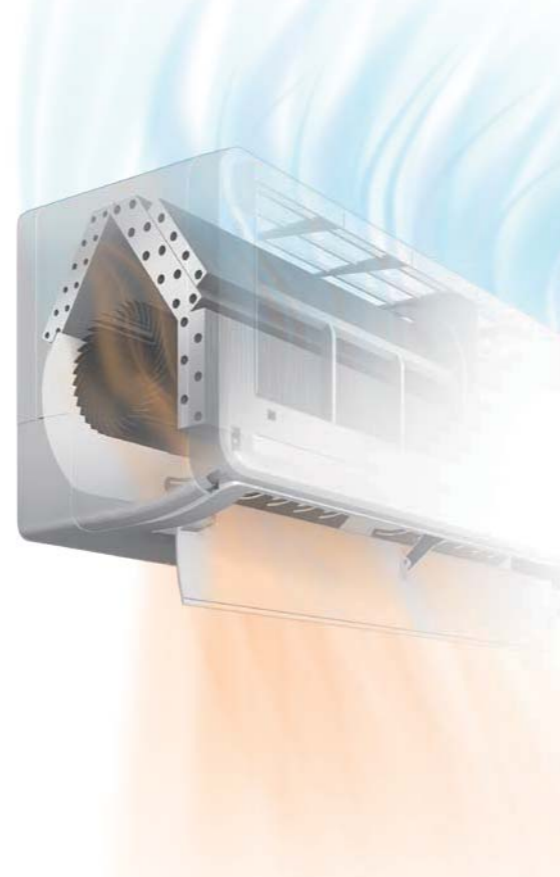
Wall Mounted Standard Series

High Efficiency & Large Room



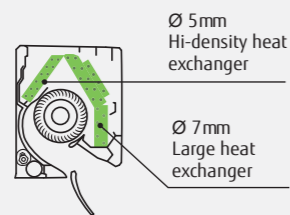
High energy saving

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



Hybrid-heat exchanger

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



Ø107 Large cross-flow fan

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

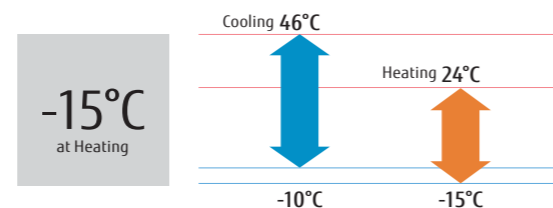


Smart device Control (Option)

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



Low ambient operation



Model: ASYG18KMTA / ASYG24KMTA



Specifications

Model No.	Indoor unit		Outdoor unit		ASYG18KMTA		ASYG24KMTA		
	AOYG18KMTA		AOYG24KMTA						
Power Source	Single phase, ~230V, 50Hz								
Capacity	Cooling	kW			5.2(0.9-6.0)		7.1(0.9-8.3)		
	Heating				6.3(0.9-8.7)		8.0(0.9-10.1)		
Input Power	Cooling/Heating		kW			1.39/1.56		2.08/1.91	
	Cooling					3.74		3.41	
EER	Cooling		W/W			4.04		4.19	
	Heating					5.2/4.8		7.1/7.1	
COP	Cooling/Heating(-10°C)		kW			7.77		7.28	
	Cooling					4.56		4.18	
Pdesign	Cooling/Heating(Average)		W/W			A++		A++	
	Heating(Average)					A+		A+	
SEER	Cooling/Heating		A			9.5/13.5		13.5/16.0	
	Cooling					234		341	
SCOP	Cooling/Heating		kWh/a			1,472		2,372	
	Heating					1.7		2.7	
Moisture Removal	Indoor (Cooling)		H/M/L/Q			45/40/35/29		49/40/35/29	
	Indoor (Heating)					46/40/35/29		49/40/35/29	
Sound Pressure Level	Outdoor(Cooling/Heating)		High	dB(A)			50/50		
	Indoor(Cooling/Heating)						60/61		65/65
Sound Power Level	Outdoor(Cooling/Heating)		High			65/65		67/66	
	Indoor(Cooling/Heating)					980/2,350		1,170/3,240	
Airflow Rate	Indoor / Outdoor (Cooling)		High	m³/h			1,020/2,100		
	Indoor / Outdoor (Heating)						280 × 980 × 240		280 × 980 × 240
Net Dimensions H x W x D	Indoor		mm				632 × 799 × 290		
	Outdoor		mm				716 × 820 × 315		
Weight	Indoor		kg(lbs)				12.5(28)		
	Outdoor		kg(lbs)				36(79)		
Connection Pipe Diameter (Liquid / Gas)			mm				6.35 / 12.70		
	Drain hose Diameter (I.D./O.D.)						13.8/15.8 to 16.7		
Max Pipe Length (Pre-Charge)			m				25(15)		
	Max Height Difference						20		
Operation Range	Cooling		°CDB				-10 to 46		
	Heating						-15 to 24		
Refrigerant	Type (Global Warming Potential)						R32 (675)		
	Charge		kg(CO2eq-T)				1.02(0.689)		
								1.32(0.891)	

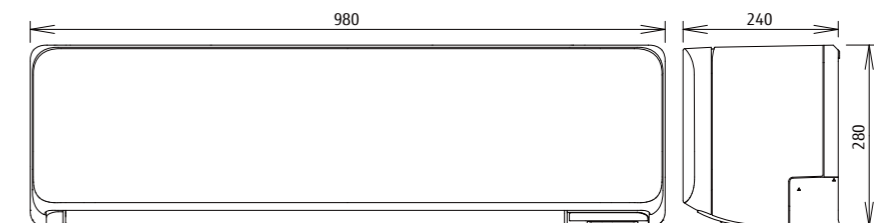
Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	Communication Kit:	UTY-TWRXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	External input and output PCB:	UTY-XCSXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY	External Connect Kit:	UTY-XWZXZ5	KNX® Converter:	UTY-VKSX*
Simple Remote Controller (Without operation mode):	UTY-RHRY	Wireless LAN Interface:	UTY-TFSXF2	MODBUS® Converter:	UTY-VMSX*
Simple Remote Controller:	UTY-RSRY	External Switch Controller:	UTY-TERX		

*: It can be used only when the wireless LAN interface (UTY-TFSXF2) is removed.

Dimensions

(Unit : mm)



Wall Mounted Standard Series

High Efficiency & Large Room



Model: ASYG30KMTA / ASYG36KMTA



Wireless R.C.



Specifications

Model No.	Indoor unit		Outdoor unit		ASYG30KMTA		ASYG36KMTA	
	AOYG30KMTA		AOYG36KMTA		ASYG30KMTA		ASYG36KMTA	
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		2.33/2.20		3.16/2.73			
	EER		3.43		2.97			
COP	Cooling		4.00		3.70			
	Heating		8.0/6.5		9.4/7.1			
Pdesign	Cooling/Heating(-10°C)		6.67		6.14			
SEER	Cooling		4.54		4.52			
SCOP	Heating (Average)		A++		A++			
Energy Efficiency Class	Cooling		A+		A+			
	Heating (Average)		21.0/21.0		21.5/21.5			
Max. Operating Current	Cooling/Heating		A		A			
Annual Energy Consumption	Cooling		419		535			
	Heating		2,001		2,198			
Moisture Removal			2.6		3.8			
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	50/44/40/33		50/44/40/33			
	Indoor (Heating)	H/M/L/Q	49/44/39/33		49/44/39/33			
	Outdoor(Cooling/Heating)	High	53/55		55/55			
Sound Power Level	Indoor(Cooling/Heating)	High	65/65		65/65			
	Outdoor(Cooling/Heating)	High	68/69		70/70			
	Airflow Rate		1,330/3,750		1,330/3,750			
Net Dimensions H x W x D	Indoor / Outdoor (Cooling)	High	1,330/3,750		1,330/3,750			
	Indoor / Outdoor (Heating)	High	340x1,150x280		340x1,150x280			
Weight	Indoor	mm	788x940x320		788x940x320			
	Outdoor	mm	18.5(41)		18.5(41)			
Connection Pipe Diameter (Liquid / Gas)	Indoor	kg(lbs)	52.0(115)		52.0(115)			
	Outdoor	kg(lbs)	9.52/15.88		9.52/15.88			
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7		13.8/15.8 to 16.7			
Max Pipe Length (Pre-Charge)			50(30)		50(30)			
Max Height Difference			30		30			
Operation Range	Cooling	°CDB	-15to46		-15to46			
	Heating	°CDB	-15to24		-15to24			
Refrigerant	Type (Global Warming Potential)		R32(675)		R32(675)			
	Charge		kg(CO2eq-T)		1.90(1.283)		1.90(1.283)	

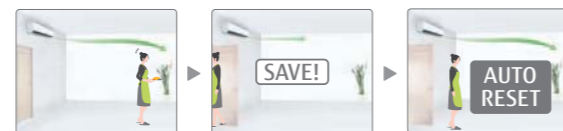
Small and light weight outdoor unit

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



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.



Adopting new refrigerant R32

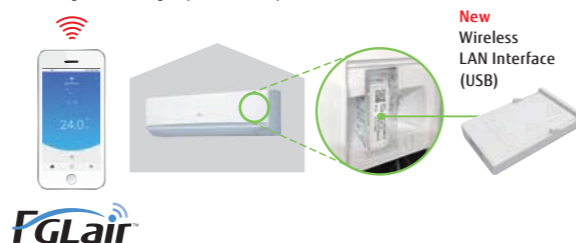
R32 refrigerant is highly environmentally friendly for the reduction of the global warming potential than other refrigerant currently available on the market.



Smart Device control (Option)

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

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



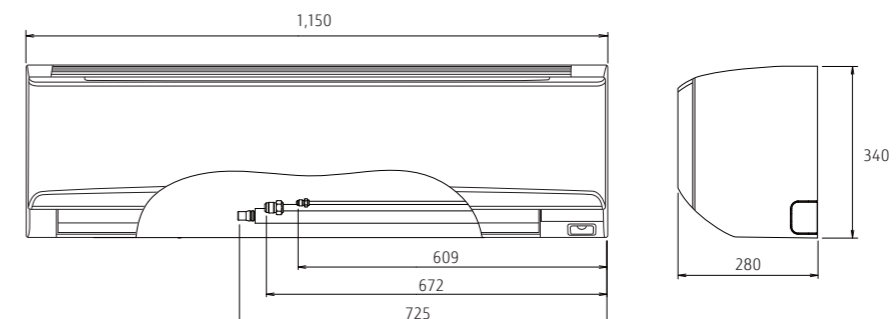
Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Input and Output PCB:	UTY-XCSXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Communication Kit:	UTY-TWRXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY	Wireless LAN Interface:	UTY-TFSXF2		
Simple Remote Controller (Without operation mode):	UTY-RHRY	External Switch Controller:	UTY-TERX		
Simple Remote Controller:	UTY-RSRY	KNX® Converter:	UTY-VKSX*		
External Connect Kit:	UTY-XWZXZ5	MODBUS® Converter:	UTY-VMSX*		

*: It can be used only when the wireless LAN interface (UTY-TFSXF2) is removed.

Dimensions

(Unit : mm)



Wall Mounted ECO Series Compact & Comfort



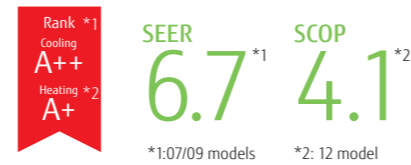
Slim & stylish square design

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



High energy saving

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



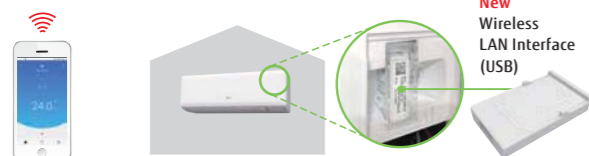
Comfortable airflow & Silent operation

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

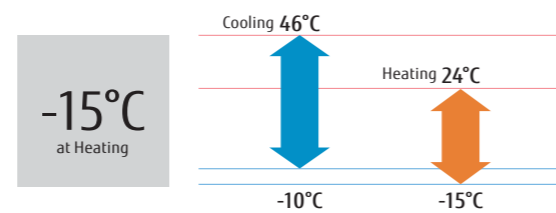


Smart device Control (Option)

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



Low ambient operation



Model: ASYG07KPCA / ASYG09KPCA / ASYG12KPCA



Wireless R.C.



Specifications

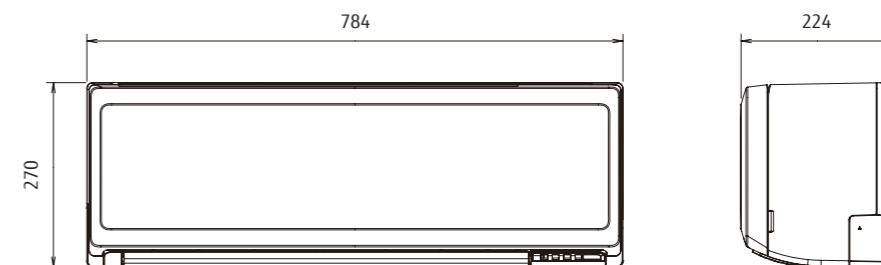
Model No.	Indoor unit		ASYG07KPCA	ASYG09KPCA	ASYG12KPCA
	Outdoor unit		AOYG07KPCA	AOYG09KPCA	AOYG12KPCA
Power Source	Single phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.0 (0.9-2.8)	2.5 (0.9-3.0)	3.4 (0.9-3.7)
	Heating	kW	2.5 (0.9-3.4)	2.8 (0.9-3.8)	3.8 (0.9-4.8)
Input Power	Cooling/Heating		0.48/0.63	0.71/0.79	1.00/1.14
	Cooling	W/W	4.17	3.52	3.40
COP	Heating		3.97	3.54	3.33
	Cooling/Heating(-10°C)	kW	2.0/2.2	2.5/2.4	3.4/2.5
SEER	Cooling		6.70	6.70	6.30
	Heating (Average)		4.00	4.00	4.10
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0
	Cooling	kWh/a	104	131	189
Annual Energy Consumption	Heating		769	840	853
	Moisture Removal		l/h	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	45/38/31/22	45/38/31/22	46/40/33/22
	Indoor (Heating)	H/M/L/Q	45/40/36/26	45/40/36/26	46/40/35/27
	Outdoor (Cooling/Heating)	High	45/46	47/47	49/51
Sound Power Level	Indoor (Cooling/Heating)	High	57/58	58/58	59/59
	Outdoor (Cooling/Heating)	High	57/58	59/59	62/62
	Airflow Rate	Indoor / Outdoor (Cooling)	High	580/1,650	580/1,650
Net Dimensions H x W x D	Indoor		270x784x224	270x784x224	270x784x224
	Outdoor		541x663x290	541x663x290	541x663x290
	Weight	Indoor	kg(lbs)	8(18)	8(18)
Connection Pipe Diameter (Liquid / Gas)	Indoor		23 (51)	23 (51)	25 (55)
	Outdoor		6.35/9.52	6.35/9.52	6.35/9.52
	Drain hose Diameter (I.D./O.D.)	mm	11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max Pipe Length (Pre-Charge)	m		20 (15)	20 (15)	20 (15)
Max Height Difference	Cooling		15	15	15
	Heating		-10 to 46	-10 to 46	-10 to 46
	Operation Range		°CDB	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	0.55 (0.371)	0.55 (0.371)

Optional parts

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

Dimensions

(Unit : mm)



Wall Mounted ECO Series

Comfort for Large Room



Model: ASYG18KLCA / ASYG24KLCA



Wireless R.C.



For ASYG18KLCA



For ASYG24KLCA

Specifications

Model No.	Indoor unit		Outdoor unit		ASYG18KLCA	ASYG24KLCA	
	Indoor unit		Outdoor unit		AOYG18KLCA	AOYG24KLCA	
Power Source	Single phase, ~230V, 50Hz						
Capacity	Cooling	kW			5.2(0.9~5.5)	7.1(0.9~7.7)	
	Heating				6.3(0.6~7.6)	8.0(0.9~9.0)	
Input Power	Cooling/Heating		kW			1.685/1.80	2.42/2.225
	Cooling					3.09	2.93
EER	Cooling		W/W			3.50	3.60
	Heating					5.20/4.80	7.10/7.10
Pdesign	Cooling/Heating(-10°C)		kW			7.20	7.10
SEER	Cooling		W/W			4.30	4.00
SCOP	Heating (Average)				A++	A++	
Energy Efficiency Class	Cooling				A+	A+	
	Heating (Average)				9.5/13.5	13.5/17.5	
Max. Operating Current	Cooling/Heating		A			253	350
Annual Energy Consumption	Cooling		kWh/a			1563	2485
	Heating					1.9	3.1
Moisture Removal	Indoor (Cooling)		l/h			47/44/40/35	51/45/38/33
	Indoor (Heating)					50/45/41/37	52/45/41/37
Sound Pressure Level	Outdoor(Cooling/Heating)		dB(A)			50/56	55/57
	Indoor(Cooling/Heating)					60/65	64/65
Sound Power Level	Outdoor(Cooling/Heating)		High			61/66	65/67
	Indoor(Cooling/Heating)					865/1,830	1,040/2,885
Airflow Rate	Indoor / Outdoor (Cooling)		m³/h			995/2,265	1,040/3,030
	Indoor / Outdoor (Heating)					293×790×249	293×790×249
Net Dimensions H x W x D	Indoor		mm			542×799×290	632×799×290
	Outdoor					9.5 (21)	10.0 (22)
Weight	Indoor		kg(lbs)			33 (73)	38 (84)
	Outdoor					6.35/9.52	6.35/12.70
Connection Pipe Diameter (Liquid / Gas)			mm			13.8/15.8 to 16.7	13.8/15.8 to 16.7
Drain hose Diameter (I.D./O.D.)			mm			25 (15)	30 (15)
Max Pipe Length (Pre-Charge)			m			20	25
Max Height Difference						-10 to 46	-10 to 46
Operation Range	Cooling		°CDB			-15 to 24	-15 to 24
	Heating					R32(675)	R32(675)
Refrigerant	Type (Global Warming Potential)				0.85(0.574)	1.10(0.743)	
	Charge		kg(CO2eq-T)				

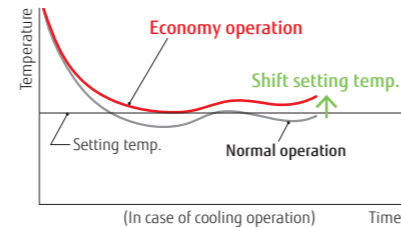
Narrow width & Compact Design

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



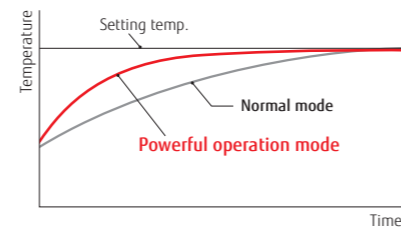
Economy operation

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



Powerful operation

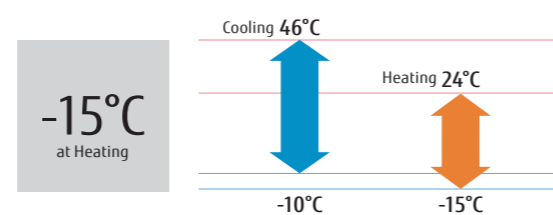
20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



ON-OFF Programmable timer

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

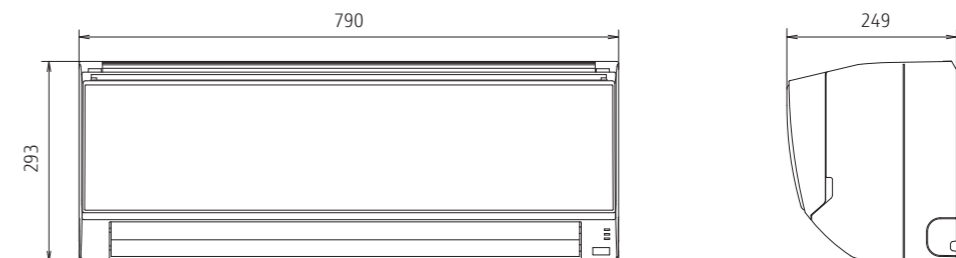
Low ambient operation



Optional parts

Dimensions

(Unit : mm)



Wall Mounted Designer Series

High Spec & Design



Model: ASYG09LTCA / ASYG12LTCA

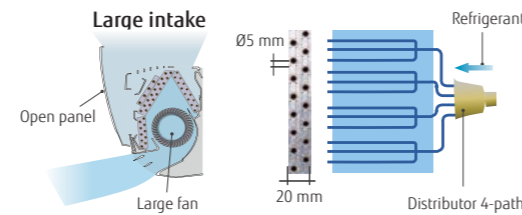


Thin & Slim design

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



Big open panel and High density multi path heat exchanger



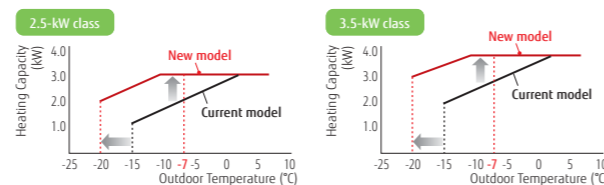
Human sensor

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



Powerful heating

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

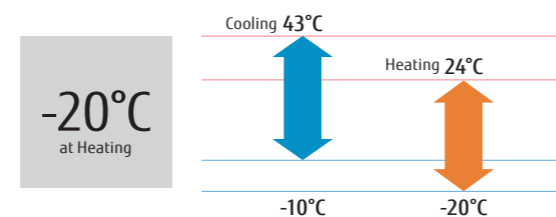


3 Mode timer (Weekly/Program/Sleep)

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



Low ambient operation



Specifications

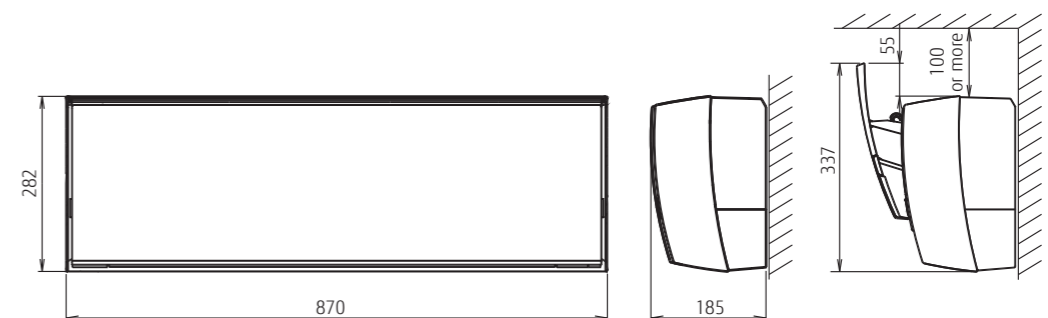
Model No.	Indoor unit		Outdoor unit	
	Outdoor unit		ASYG09LTC	ASYG12LTC
Power Source	Single phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.5 (0.9-3.5)	3.5 (1.1-4.0)
	Heating	kW	3.2 (0.9-5.4)	4.0 (0.9-6.5)
Input Power	Cooling/Heating		0.505/0.660	0.850/0.910
	Cooling	W/W	4.95	4.12
COP	Heating		4.85	4.40
	Cooling/Heating(-10°C)	kW	2.5/3.0	3.5/4.0
SEER	Cooling	W/W	8.50	8.50
SCOP	Heating (Average)		4.60	4.60
Energy Efficiency Class	Cooling		A+++	A+++
	Heating (Average)		A++	A++
Max. Operating Current	Cooling/Heating		6.5/9.0	9.0/10.5
	Cooling	kWh/a	103	144
Annual Energy Consumption	Heating		912	1,217
	Moisture Removal		l/h	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
Sound Power Level	Outdoor (Cooling/Heating)	High	48/50	48/49
	Indoor (Cooling/Heating)	High	59/61	60/62
Airflow Rate	Outdoor (Cooling/Heating)	High	63/65	64/65
	Indoor / Outdoor (Cooling)	High	800/1,700	850/2,050
Net Dimensions H x W x D	Indoor		mm	282×870×185
	Outdoor		mm	540×790×290
Weight	Indoor		kg(lbs)	9.5 (21)
	Outdoor		kg(lbs)	33 (73)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52
Drain hose Diameter (I.D./O.D.)			mm	11.8/15.0 to 16.8
Max Pipe Length (Pre-Charge)			m	20 (15)
Max Height Difference			m	15
Operation Range	Cooling		°CDB	-10 to 43
	Heating		°CDB	-20 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)
	Charge		kg(CO2eq-T)	1.05 (2.192)

Optional parts

Wired Remote Controller:	UTY-RNNYM UTY-RVNYM	Communication Kit:	UTY-TWBXF UTY-TWBXF2	External Switch Controller:	UTY-TERX
Simple Remote Controller:	UTY-RSNYM	External Connect Kit:	UTY-XWZXZ5	Network Converter for single split (DC power supply type):	UTY-VTGX
Wireless LAN Interface:	UTY-TFNXZ1 FJ-RC-WIFI-1	MODBUS® Interface:	FJ-RC-MBS-1	Network Converter for single split (AC power supply type):	UTY-VTGX
		KNX® Interface:	FJ-RC-KNX-1i		

Dimensions

(Unit : mm)



Wall Mounted Designer Series

High COP



Model: ASYG07LUCA / ASYG09LUCA / ASYG12LUCA / ASYG14LUCA

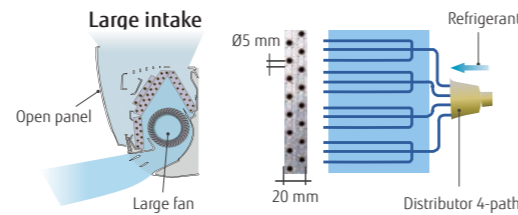


Thin & Slim design

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

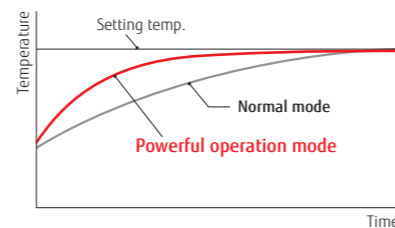


Big open panel and High density multi path heat exchanger



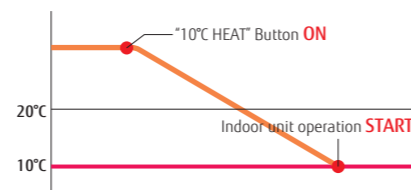
Powerful operation

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



10°C HEAT Operation

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

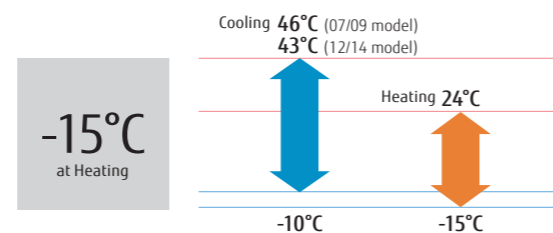


3 Mode timer (Weekly/Program/Sleep)

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



Low ambient operation



Specifications

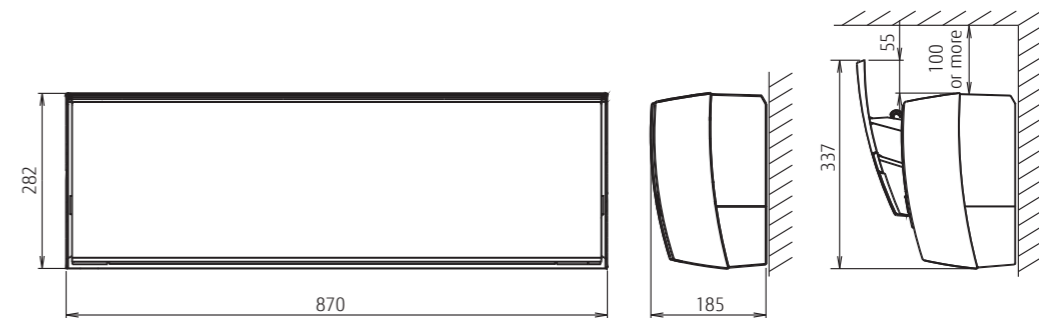
Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
	Outdoor unit		AOYG07LUCB	AOYG09LUCB	AOYG12LUC	AOYG14LUC
Power Source	Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating	kW	3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		0.460/0.740	0.555/0.680	0.905/0.930	1.235/1.380
	Cooling	W/W	4.35	4.50	3.87	3.40
EER	Cooling		4.05	4.71	4.30	3.91
	Heating					
Pdesign	Cooling/Heating(-10°C)		2.0/2.6	2.5/2.8	3.5/3.9	4.2/4.8
	Cooling	kW	7.20	7.10	7.05	6.78
SEER	Cooling		4.02	4.10	4.00	4.00
	Heating (Average)					
SCOP	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
	Cooling	A				
Annual Energy Consumption	Cooling	kWh/a	97	123	174	217
	Heating	kWh/a	887	956	1363	1677
Moisture Removal	Cooling/Heating		1.0	1.3	1.8	2.1
	Indoor (Cooling)	l/h				
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
	Outdoor (Cooling/Heating)	High	57/59	59/61	60/62	60/64
Sound Power Level	Indoor (Cooling/Heating)	High	58/58	60/60	65/65	65/65
	Indoor (Cooling/Heating)	High	680/1,720	800/1,720	850/1,940	900/1,940
	Indoor / Outdoor (Cooling)	High	710/1,510	800/1,510	850/1,700	950/1,700
	Indoor / Outdoor (Heating)	High	540×660×290	540×660×290	540×790×290	540×790×290
Airflow Rate	Indoor	m³/h	282×870×185	282×870×185	282×870×185	282×870×185
	Outdoor	m	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
Net Dimensions H x W x D	Indoor	kg(lbs)	23 (51)	25 (55)	33 (73)	34 (75)
	Outdoor	kg(lbs)	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Weight	Indoor	mm	11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8
	Outdoor	mm	20 (15)	20 (15)	20 (15)	20 (15)
Connection Pipe Diameter (Liquid / Gas)	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
Drain hose Diameter (I.D./O.D.)	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	0.70 (1.462)	0.85 (1.775)	1.05 (2.192)	1.05 (2.192)

Optional parts

Wired Remote Controller:	UTY-RNNYM UTY-RVNYM	Communication Kit:	UTY-TWBXF2 External Connect Kit: UTY-XWZX25	Communication Kit:	UTY-TWBXF Network Converter for single split (DC power supply type): UTY-VTGX
Simple Remote Controller:	UTY-RSNYM	External Switch Controller:	UTY-TERX	Network Converter for single split (AC power supply type): UTY-VTGXV	
Wireless LAN Interface:	UTY-TFNXZ1 FJ-RC-WIFI-1	MODBUS® Interface:	FJ-RC-MBS-1 KNX® Interface:		

Dimensions

(Unit : mm)



Wall Mounted Standard Series

High Efficiency & Comfort



Model: ASYG07LMCE / ASYG09LMCE / ASYG12LMCE / ASYG14LMCE



Wireless R.C.



For ASYG07/09/12LMCE

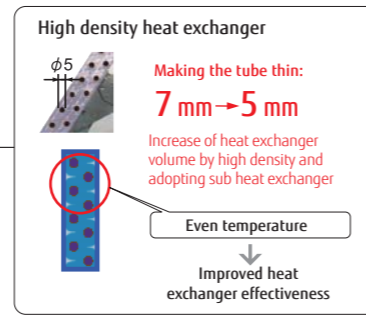


For ASYG14LMCE

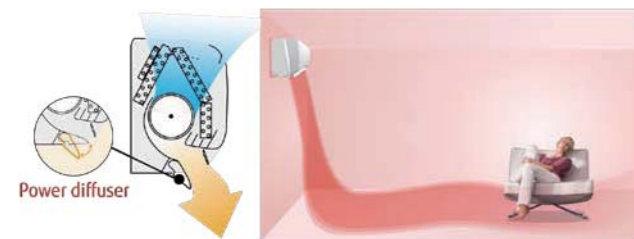
Specifications

Model No.	Indoor unit		ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
	Outdoor unit		AOYG07LMCE	AOYG09LMCE	AOYG12LMCE	AOYG14LMCE
Power Source	Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0(0.5-3.0)	2.5(0.5-3.2)	3.4(0.9-3.9)	4.0(0.9-4.4)
	Heating	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
	Cooling	W/W	4.30	3.85	3.50	3.52
EER	Cooling		4.38	4.38	3.92	3.66
	Heating		4.38	4.38	3.92	3.66
Pdesign	Cooling/Heating(-10°C)		2.0/2.3	2.5/2.4	3.4/3.5	4.0/3.9
	Cooling	W/W	6.80	7.00	7.00	6.90
SEER	Cooling		6.80	7.00	7.00	6.90
	Heating (Average)		4.10	4.10	4.00	4.00
SCOP	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
	Cooling	kWh/a	103	125	170	203
Annual Energy Consumption	Cooling	kWh/a	786	820	1,225	1,365
	Heating	kWh/a	1.0	1.3	1.8	2.1
Moisture Removal	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
Sound Pressure Level	Outdoor(Cooling/Heating)	High	45/45	45/45	50/50	50/50
	Indoor(Cooling/Heating)	High	59/59	59/59	59/59	60/60
Sound Power Level	Outdoor(Cooling/Heating)	High	58/56	58/56	61/61	65/65
	Indoor(Cooling/Heating)	High	750/1,670	750/1,670	750/1,830	770/1,940
Airflow Rate	Indoor / Outdoor (Cooling)	High	750/1,470	750/1,470	750/1,600	770/1,700
	Indoor / Outdoor (Heating)	High	750/1,470	750/1,470	750/1,600	770/1,700
Net Dimensions H x W x D	Indoor	mm	270×870×204	270×870×204	270×870×204	270×870×204
	Outdoor	mm	535×663×293	535×663×293	535×663×293	540×790×290
Weight	Indoor	kg(lbs)	8.5(19)	8.5(19)	8.5(19)	8.5(19)
	Outdoor	kg(lbs)	21(46)	21(46)	26(57)	34(75)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Drain hose Diameter (I.D./O.D.)			11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max Pipe Length (Pre-Charge)			20(15)	20(15)	20(15)	20(15)
Max Height Difference	Cooling	°CDB	15	15	15	15
	Heating	°CDB	-10 to 43	-10 to 43	-10 to 43	-10 to 43
Operation Range	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
	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 (1.462)	0.70 (1.462)	0.85 (1.775)	1.05 (2.192)

High efficient compact design



More comfort airflow



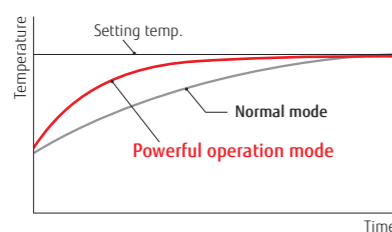
Vertical airflow provides powerful floor level heating



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

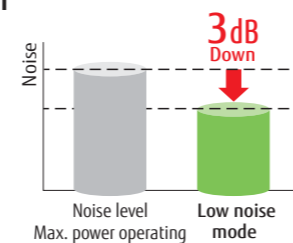
Powerful operation

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.

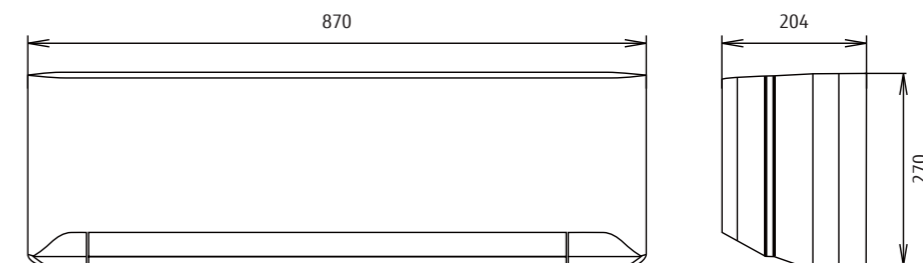


Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM, UTY-RSNYM, UTY-TERX, UTY-TFNXZ1, FJ-RC-WIFI-1
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- External Connect Kit: UTY-XWZXZ5
- Communication Kit: UTY-XCBXZ2
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-II

Dimensions

(Unit : mm)

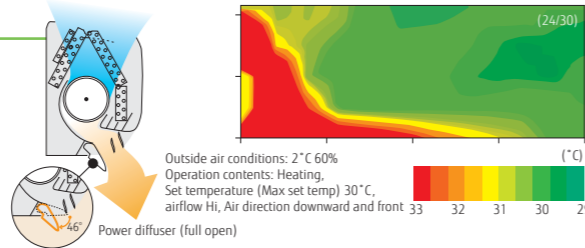


Wall Mounted Standard Series

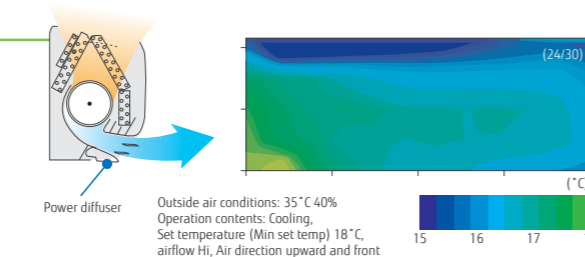
Comfort for Large Room



“Vertical airflow” provides powerful floor level heating.



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



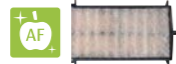
Air conditioner filter features

Using different filters at both sides



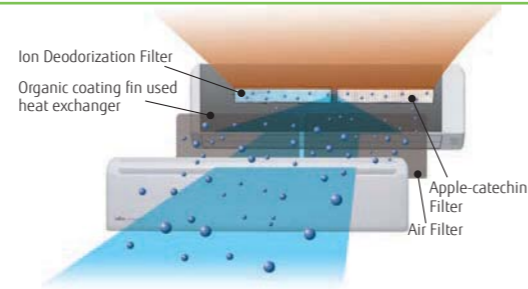
Ion Deodorization Filter

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



Apple-catechin Filter

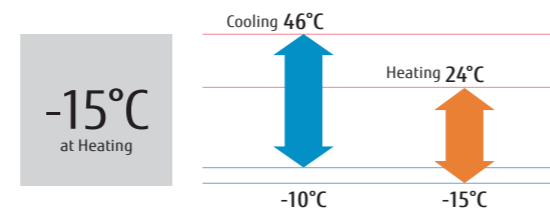
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.



Flexible Installation

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

Low ambient operation



Model: ASYG18LFCA / ASYG24LFCC / ASYG30LFCA



Specifications

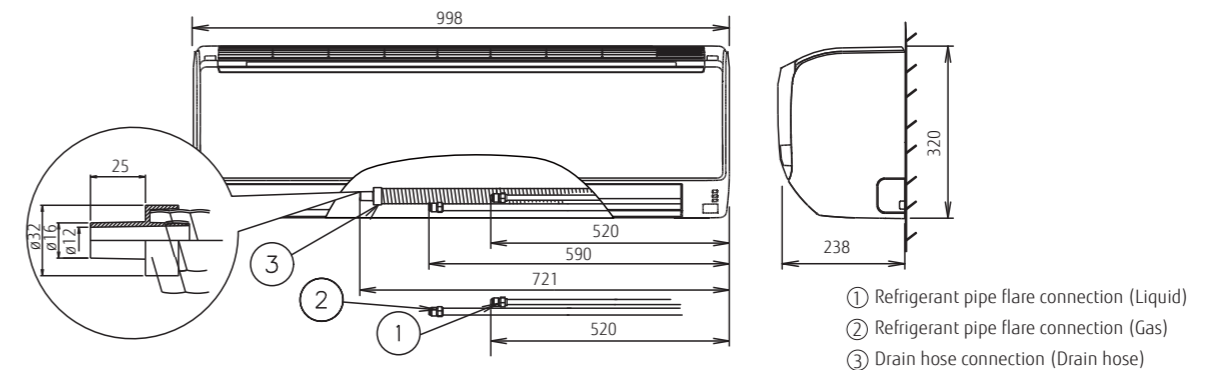
Model No.	Indoor unit		ASYG18LFCA	ASYG24LFCC	ASYG30LFCA
	Outdoor unit		AOYG18LFC	AOYG24LFCC	AOYG30LFT
Power Source	Single phase, ~230V, 50Hz				
Capacity	Cooling	kW	5.2 (0.9-6.0)	7.1 (0.9-8.0)	8.0 (2.9-9.0)
	Heating	kW	6.3 (0.9-9.1)	8.0 (0.9-10.6)	8.8 (2.2-11.0)
Input Power	Cooling/Heating		1.52/1.71	2.20/2.21	2.49/2.44
	Cooling	W/W	3.42	3.23	3.21
EER	Cooling		3.42	3.23	3.21
	Heating		3.68	3.61	3.61
COP	Cooling/Heating(-10°C)		5.2/5.9	7.1/7.1	8.0/8.0
	Cooling		6.94	6.11	5.69
Pdesign	Cooling		6.94	6.11	5.69
	Heating (Average)		3.87	3.80	3.80
SEER	Cooling		6.94	6.11	5.69
	Heating (Average)		3.87	3.80	3.80
SCOP	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
	Cooling	A	9.0	13.5	17.0
Annual Energy Consumption	Cooling	kWh/a	262	406	492
	Heating	kWh/a	2,130	2,610	2,941
Moisture Removal			2.6	2.7	3.2
	Indoor (Cooling)	l/h	43/37/33/26	49/42/37/32	48/42/37/33
Sound Pressure Level	Indoor (Cooling/Heating)	H/M/L/Q	43/37/33/26	49/42/37/32	48/42/37/33
	Indoor (Heating)	H/M/L/Q	42/37/33/25	48/42/37/32	49/42/37/33
Sound Power Level	Outdoor (Cooling/Heating)	High	50/51	55/56	53/55
	Indoor (Cooling/Heating)	High	58/58	64/64	64/64
Airflow Rate	Indoor / Outdoor (Cooling)	High	900/2,150	1,120/2,460	1,100/3,600
	Indoor / Outdoor (Heating)	High	900/2,070	1,120/2,340	1,150/3,600
Net Dimensions H x W x D	Indoor	mm	320×998×238	320×998×238	320×998×238
	Outdoor	mm	620×790×290	620×790×290	830×900×330
Weight	Indoor	kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor	kg(lbs)	41 (90)	41 (90)	61 (134)
Connection Pipe Diameter (Liquid / Gas)			6.35/12.70	6.35/15.88	9.52/15.88
	Drain hose Diameter (I.D./O.D.)		12/16	12/16	12/16
Max Pipe Length (Pre-Charge)			25 (15)	30 (15)	50 (20)
	Max Height Difference		20	20	30
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating	°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 (2.506)	1.80 (3.758)

Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM, UTY-RSNYM, UTY-TERX, UTY-TFNXZ1, FJ-RC-WIFI-1
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-1i
- External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)



Wall Mounted Standard Series

Comfort for Large Room



Large Capacity & Powerful airflow

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



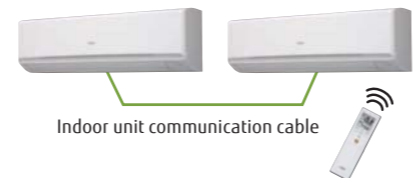
Human sensor

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



Server room function*

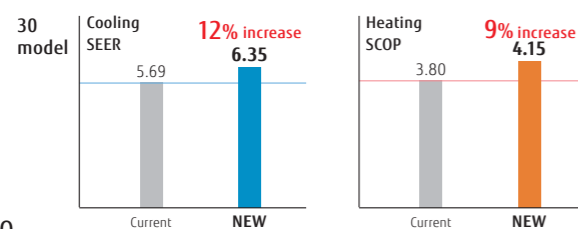
The following interlock operation is possible by connecting 2 indoor units with a cable. Cooling operation can be performed even in the low outdoor temperature and low humidity environment.



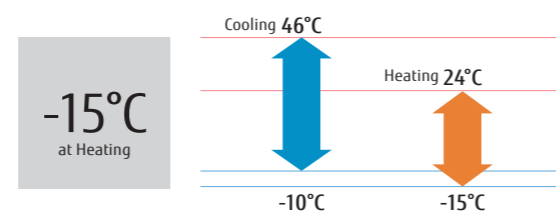
- **Alternative operation:** Two units operate alternately.
- **Backup operation:** When 1 unit breaks down, the other unit starts operating automatically.
- **Supporting operation:** Both units operate simultaneously when the loaded capacity is not enough with one unit.

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

High seasonal energy efficiency



Low ambient operation



Model: ASYG30LMTA / ASYG36LMTA



Wireless R.C.



Specifications

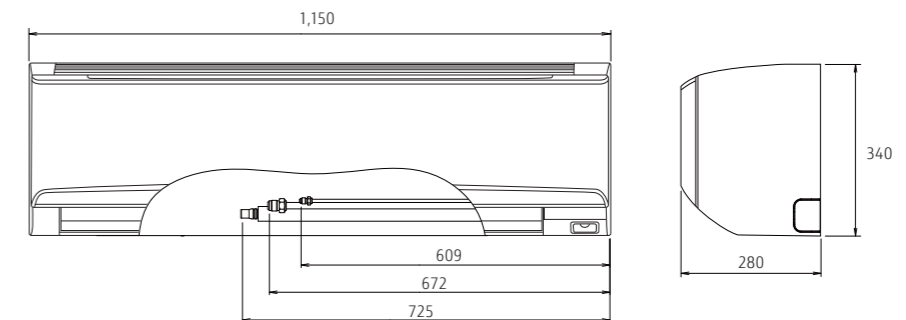
Model No.	Indoor unit		Outdoor unit		ASYG30LMTA		ASYG36LMTA	
	AOYG30LMTA		AOYG36LMTA					
Power Source	Single phase, ~230V, 50Hz							
Capacity	Cooling	kW	8.0 (2.9-9.0)		9.4 (2.9-10.0)			
	Heating	kW	8.8 (2.2-11.0)		10.1 (2.7-11.2)			
Input Power	Cooling/Heating		2.33/2.41		3.16/2.96			
	EER		3.43		2.97			
COP	Cooling		3.65		3.41			
	Heating		8.0/6.5		9.4/7.1			
Pdesign	Cooling/Heating(-10°C)		6.35		5.73			
SEER	Cooling		4.15		4.19			
SCOP	Heating (Average)		A++		A+			
Energy Efficiency Class	Cooling		A+		A+			
	Heating (Average)		A		A			
Max. Operating Current	Cooling/Heating		14.5/14.5		19.0/19.0			
	Annual Energy Consumption	Cooling	kWh/a	441		575		
Heating		kWh/a	2,193		2,373			
Moisture Removal			i/h		3.7			
	Indoor (Cooling)	H/M/L/Q	50/44/38/31		50/44/38/31			
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	49/44/39/33		49/44/39/33			
	Outdoor(Cooling/Heating)	High	52/55		55/56			
Sound Power Level	Indoor(Cooling/Heating)	High	65/65		65/65			
	Outdoor(Cooling/Heating)	High	67/68		68/70			
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,380/3,600		1,380/3,800			
	Indoor / Outdoor (Heating)	High	1,380/3,600		1,380/3,800			
Net Dimensions H x W x D	Indoor	mm	340x1,150x280		340x1,150x280			
	Outdoor	mm	830x900x330		830x900x330			
Weight	Indoor	kg(lbs)	18 (40)		18 (40)			
	Outdoor	kg(lbs)	61 (134)		61 (134)			
Connection Pipe Diameter (Liquid / Gas)			9.52/15.88		9.52/15.88			
	Drain hose Diameter (I.D./O.D.)		11.8/15.0 to 16.8		11.8/15.0 to 16.8			
Max Pipe Length (Pre-Charge)			50 (20)		50 (20)			
	Max Height Difference		30		30			
Operation Range	Cooling	°CDB	-15 to 46		-15 to 46			
	Heating	°CDB	-15 to 24		-15 to 24			
Refrigerant	Type (Global Warming Potential)		R410A (2,088)		R410A (2,088)			
	Charge		kg(CO2eq-T)		2.10 (4.385)		2.10 (4.385)	

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFNXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY		FJ-RC-WIFI-1	External input and output PCB:	UTY-XCSXZ2
	UTY-RNNYM	KNX® Converter:	UTY-VKSX	External input and output PCB Box:	UTZ-GXXB
Wired Remote Controller:	UTY-RVNYM	MODBUS® Converter:	UTY-VMXS	External Connect Kit:	UTY-XWZX
Simple Remote Controller (Without operation mode):	UTY-RHRY	Communication kit:	UTY-XWNX	Communication Kit:	UTY-TWRX
Simple Remote Controller:	UTY-RSRY	MODBUS® Interface:	FJ-RC-MBS-1		
	UTY-RSNYM	KNX® Interface:	FJ-RC-KNX-1i		

Dimensions

(Unit : mm)

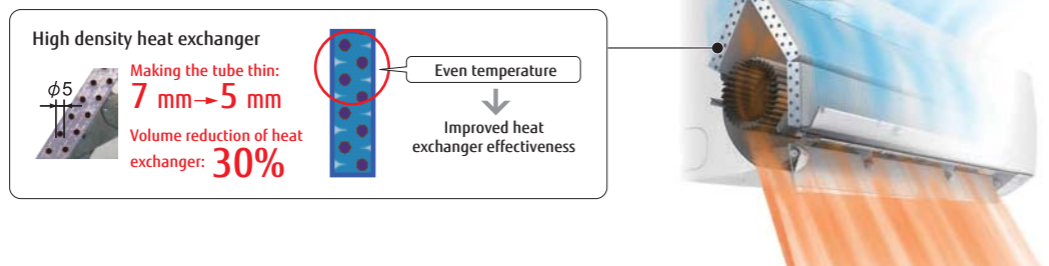


Wall Mounted ECO Series

Compact & Comfort

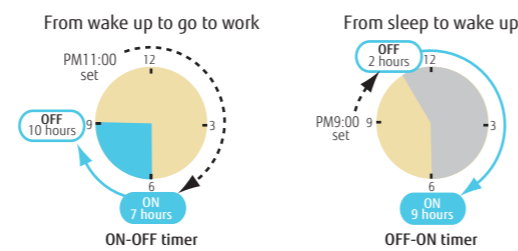


High efficient compact design



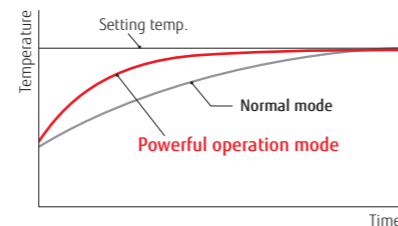
ON-OFF Programmable timer

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)



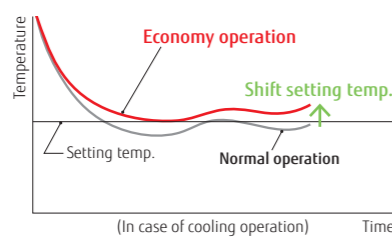
Powerful operation

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

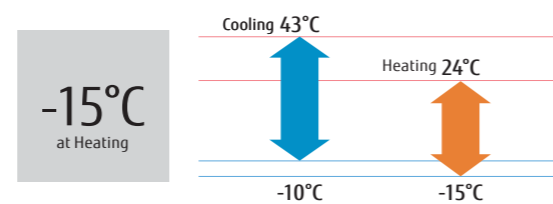


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation



Model: ASYG07LLCE / ASYG09LLCE / ASYG12LLCE



Wireless R.C.



Specifications

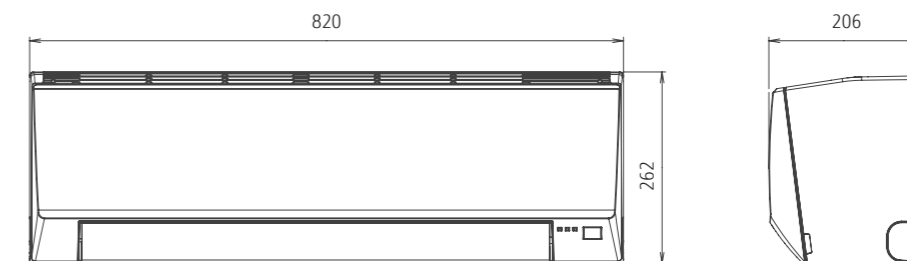
Model No.	Indoor unit		ASYG07LLCE	ASYG09LLCE	ASYG12LLCE
	Outdoor unit		AOYG07LLCE	AOYG09LLCE	AOYG12LLCE
Power Source	Single phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.0(0.9-2.8)	2.5(0.9-3.0)	3.4(0.9-3.8)
	Heating	kW	2.7(0.9-3.6)	3.0(0.9-3.8)	4.0(0.9-5.0)
Input Power	Cooling/Heating		0.470/0.620	0.730/0.740	1.080/1.130
	Cooling	W/W	4.26	3.42	3.15
EER	Cooling		4.26	3.42	3.15
	Heating		4.35	4.05	3.54
Pdesign	Cooling/Heating(-10°C)		2.0/2.2	2.5/2.3	3.4/3.2
	Cooling	W/W	6.70	6.90	6.60
SEER	Cooling		6.70	6.90	6.60
	Heating (Average)		4.00	4.00	3.80
SCOP	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A
Max. Operating Current	Cooling/Heating		6.0/7.5	6.0/7.5	6.5/9.0
	Cooling	A	6.0/7.5	6.0/7.5	6.5/9.0
Annual Energy Consumption	Cooling	kWh/a	104	127	180
	Heating	kWh/a	770	805	1,179
Moisture Removal			l/h	1.3	1.8
	Indoor (Cooling)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22
	Outdoor (Cooling/Heating)	High	47/48	47/48	50/51
Sound Power Level	Indoor (Cooling/Heating)	High	59/60	59/60	59/60
	Outdoor (Cooling/Heating)	High	61/61	61/61	65/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	720/1,670	720/1,670	720/1,830
	Indoor / Outdoor (Heating)	High	740/1,470	740/1,470	740/1,600
Net Dimensions H x W x D	Indoor	mm	262×820×206	262×820×206	262×820×206
	Outdoor	mm	535×663×293	535×663×293	535×663×293
Weight	Indoor	kg(lbs)	7.0 (15)	7.0 (15)	7.0 (15)
	Outdoor	kg(lbs)	24 (53)	24 (53)	26 (57)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)			mm	11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max Pipe Length (Pre-Charge)			m	20(15)	20(15)
Max Height Difference			m	15	15
	Cooling	°CDB		-10 to 43	-10 to 43
Operation Range			°CDB	-15 to 24	-15 to 24
	Heating	°CDB		-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A(2,088)	R410A(2,088)	R410A(2,088)
	Charge		kg (CO2eq-T)	0.65(1.357)	0.65(1.357)

Optional parts

Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



Compact Cassette

Compact 4-way Flow Series

Compact & Comfort



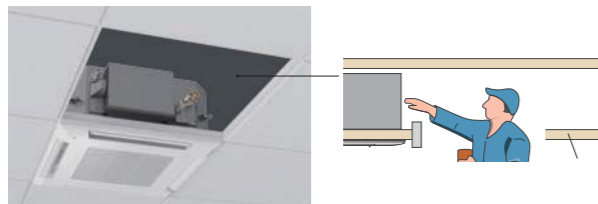
Compact and stylish panel design

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



Easy maintenance

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



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

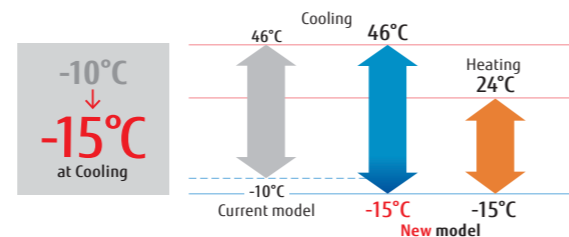


Flexible installation

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



Low ambient operation



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



Specifications

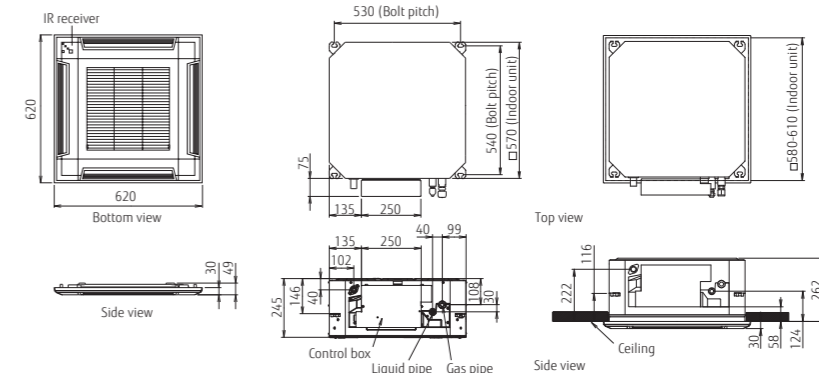
Model No.	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB
Power Source	Single phase, ~230V, 50Hz							
Capacity	Cooling	kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)
	Heating		3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)
Input Power	Cooling/Heating	kW	0.55/0.79	0.93/1.08	1.28/1.32	1.60/1.66	1.82/1.87	2.21/2.03
EER	Cooling	W/W	4.57	3.76	3.36	3.25	3.30	3.08
COP	Heating		4.05	3.80	3.79	3.61	3.74	3.69
Pdesign	Cooling/Heating(-10°C)	kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4	6.0/4.8	6.8/6.0
SEER	Cooling	W/W	6.70	6.60	6.50	6.60	6.60	6.10
SCOP	Heating (Average)		4.40	4.30	4.40	4.20	4.30	4.00
Energy Efficiency Class	Cooling	A	A++	A++	A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6
Annual Energy Consumption	Cooling	kWh/a	131	186	231	275	318	390
	Heating		826	1,106	1,208	1,466	1,562	2,097
Moisture Removal		l/h	0.6	1.2	1.5	2.2	2.6	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/31/29/27	37/34/30/27	38/34/30/27	38/34/30/26	44/42/36/30	49/44/36/30
	Indoor (Heating)		H/M/L/Q	34/32/29/27	37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33
Sound Power Level	Outdoor(Cooling/Heating)	High	46/46	47/47	49/49	50/50	51/51	53/54
	Indoor(Cooling/Heating)		High	46/47	49/49	50/55	50/55	56/57
Airflow Rate	Indoor / Outdoor (Cooling)	High	540/1,480	600/1,580	680/1,670	680/2,160	830/2,240	930/2,700
	Indoor / Outdoor (Heating)		High	540/1,410	600/1,520	800/1,580	800/1,830	860/1,960
Net Dimensions H x W x D	Indoor	mm	245x570x570	245x570x570	245x570x570	245x570x570	245x570x570	245x570x570
	Outdoor		542x799x290	542x799x290	542x799x290	632x799x290	632x799x290	716x820x315
Weight	Indoor	kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)	16 (35)	16 (35)
	Outdoor		32 (71)	33 (73)	33 (73)	36 (79)	38 (84)	42 (93)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	20 (15)	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)
Max Height Difference	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg(CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)
Cassette Grille	Model name		UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W
	Dimensions (H × W × D)	mm	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620
	Weight	kg(lbs)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY		FJ-RC-WIFI-1	Insulation Kit For High Humidity:	UTZ-KXGC
	UTY-RNNYM	KNX® Converter:	UTY-VKXS	Fresh Air Intake Kit:	UTZ-VXAA
	UTY-RVNYM	MODBUS® Converter:	UTY-VMSX	External input and output PCB:	UTY-XCSX
Simple Remote Controller (Without operation mode):	UTY-RHRY	Air Outlet Shutter Plate:	UTR-YDZB	External input and output PCB Box:	UTZ-GXRA
Simple Remote Controller:	UTY-RSRY	External Connect Kit:	UTY-XWZXZG	Cassette Grille:	UTG-UFYF-W
	UTY-RSNYM	MODBUS® Interface:	FJ-RC-MBS-1		
Wireless Remote Controller:	UTY-LNTY	KNX® Interface:	FJ-RC-KNX-ti		

Dimensions

(Unit : mm)



Compact Cassette

Compact 4-way Flow Series

Compact & Comfort

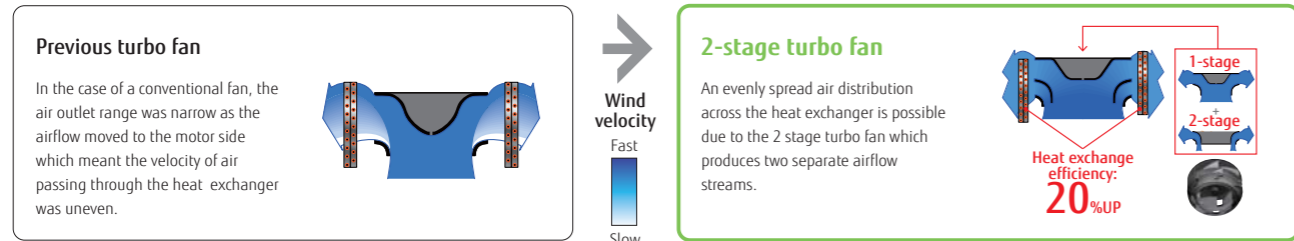


Model : AUYG12LVLB / AUYG14LVLB / AUYG18LVLB / AUYG24LVLB



2-stage turbo fan

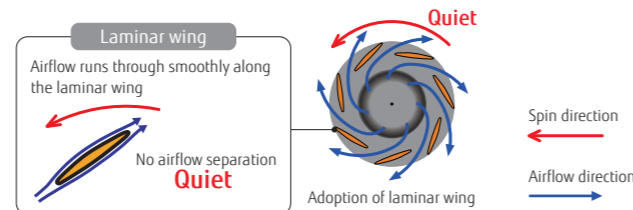
High efficiency design by 2 stage structure



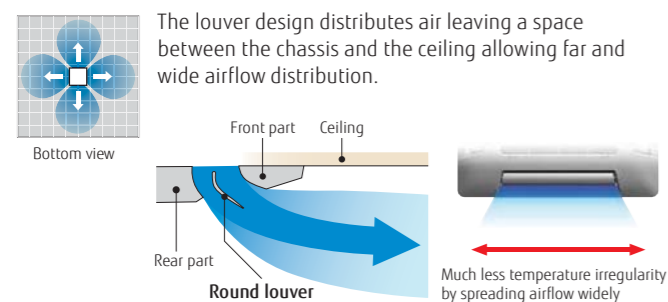
Quiet quality

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

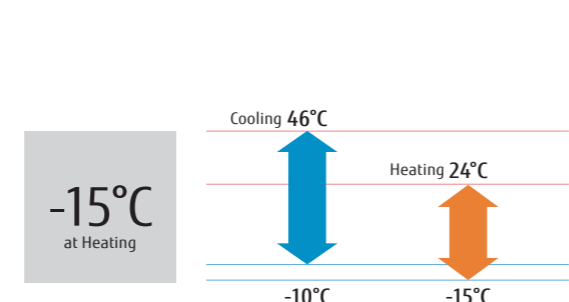
Designed by CFD-analysis (fluid) simulations



Improvement of the airflow distribution



Low ambient operation



Specifications

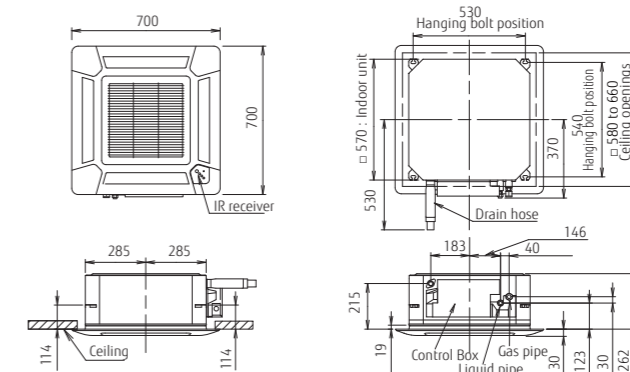
Model No.	Indoor unit		AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLB
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LBCB	AOYG24LBCB
Power Source	Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
EER	Cooling	W/W	3.33	3.21	3.21	3.08
	Heating		3.69	3.71	3.61	3.54
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
SEER	Cooling	W/W	6.20	6.40	6.20	5.60
SCOP	Heating (Average)	W/W	4.10	4.40	4.20	3.90
Energy Efficiency Class	Cooling	A	A++	A++	A++	A+
	Heating (Average)		A+	A+	A+	A
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	11.5/13.5	14.7/15.7
Annual Energy Consumption	Cooling	kWh/a	198	235	293	425
	Heating		1,431	1,432	1,732	2,151
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
Sound Power Level	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50	53/54
	Indoor(Cooling/Heating)	High	49/49	50/55	50/55	59/61
Airflow Rate	Indoor / Outdoor (Cooling)	High	600/1,780	680/1,910	680/2,380	930/2,850
	Indoor / Outdoor (Heating)	High	600/1,630	800/1,740	800/2,080	930/2,700
Net Dimensions H x W x D	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570
	Outdoor	mm	578×790×300	578×790×300	632×799×290	716×820×315
Weight	Indoor	kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
	Outdoor	kg(lbs)	40 (88)	40 (88)	36 (79)	42 (93)
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		-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 (2.401)	1.25 (2.610)	1.20 (2.506)	1.50 (3.132)
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

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM, UTY-RSNYM
- Simple Remote Controller: UTY-RSNXZ1
- Wireless LAN Interface: FJ-RC-WIFI-1
- External Switch Controller: UTY-TERX
- External Connect Kit: UTY-XWZX
- Insulation Kit For High Humidity: UTZ-KXGC
- Fresh Air Intake Kit: UTZ-VXAA
- Cassette Grille: UTG-UFYD-W
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- Air Outlet Shutter Plate: UTR-YDZB
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-11

Dimensions

(Unit : mm)



Cassette Circular Flow Series Comfort for Large Room

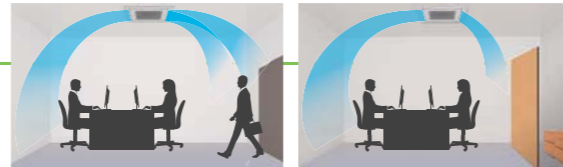


UTG-UKYA-B
Black Color Grille



Unique Circular Flow design

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



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

Individual louver control

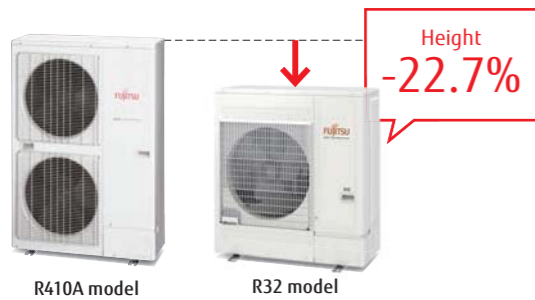
Each louver can be set individually by Touch Panel Wired Remote Controller to enjoy the comfort of different directional airflows according to various room layouts.

*Touch Panel Wired RC (UTY-RNRYZ3) only

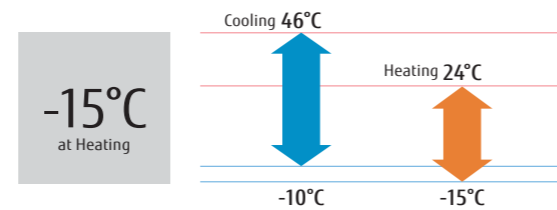
Human sensor increases more energy saving
Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.

Compact and lightweight outdoor unit

45/54 models outdoor unit was changed completely. Easier installation was realized by compact and lightweight outdoor unit.



Low ambient operation



Various Cassette Grille

Both, black and white color grilles are available. There are three types: white color grille with Remote Controller, only white color grille and only black color grille. Selectable according to the atmosphere and/or usage of the room.



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



Specifications

Model No.	Indoor unit		AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	
	Outdoor unit		AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA	
Power Source			Single phase, ~230V, 50Hz								3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	
	Heating	kW	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)	
Input Power	Cooling/Heating	kW	1.36/1.58	1.71/1.82	1.89/1.90	2.44/2.51	2.91/2.45	3.61/3.21	4.41/4.16	2.91/2.45	3.61/3.21	4.41/4.16	
EER	Cooling	W/W	3.82	3.51	3.60	3.49	3.26	3.35	3.04	3.26	3.35	3.04	
COP	Heating	W/W	3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73	
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-	
SEER	Cooling	W/W	7.00	7.00	6.60	6.70	6.55	-	-	6.55	-	-	
SCOP	Heating (Average)	W/W	4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-	
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++	-	-	A++	-	-	
	Heating (Average)		A+	A+	A+	A+	A+	-	-	A+	-	-	
Max. Operating Current	Cooling/Heating	A	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0	
	Cooling	kWh/a	260	300	360	444	507	-	-	507	-	-	
	Heating	kWh/a	1,431	1,527	1,999	2,601	2,828	-	-	2,828	-	-	
Moisture Removal		l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36	
	Indoor (Heating)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36	
	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	57/59	55/55	57/57	57/59	
Sound Power Level	Indoor (Cooling/Heating)	High	47/47	49/49	49/49	54/54	58/58	60/60	61/61	58/58	60/60	61/61	
	Outdoor (Cooling/Heating)	High	62/62	63/63	65/66	68/69	70/70	71/71	73/73	70/70	71/71	73/73	
	Airflow Rate	Indoor / Outdoor (Cooling)	High	1,050/2,160	1,050/2,240	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
Net Dimensions H x W x D	Indoor	mm	246x840x840	246x840x840	246x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	
	Outdoor	mm	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	998x940x320	788x940x320	998x940x320	998x940x320	
Weight	Indoor	kg (lbs)	23 (51)	23 (51)	24 (53)	26 (57)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)	
	Outdoor	kg (lbs)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	67 (148)	53 (117)	67 (148)	67 (148)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.70	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	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	25/32	25/32	25/32		
Max Pipe Length (Pre-Charge)		m	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)		
Max Height Difference		m	20	25	25	30	30	30	30	30	30		
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46		
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24		
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)		
	Charge	kg (CO ₂ eq-T)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	
Cassette Grille	Variation		UTG-UKYA-W: White Color with touch panel wired remote controller UTG-UKYC-W: White Color / UTG-UKYA-B*1: Black Color						UTG-UKYA-W: White Color with touch panel wired remote controller UTG-UKYC-W: White Color / UTG-UKYA-B*1: Black Color				
	Dimensions (H x W x D)	mm	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	
	Weight	kg (lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	

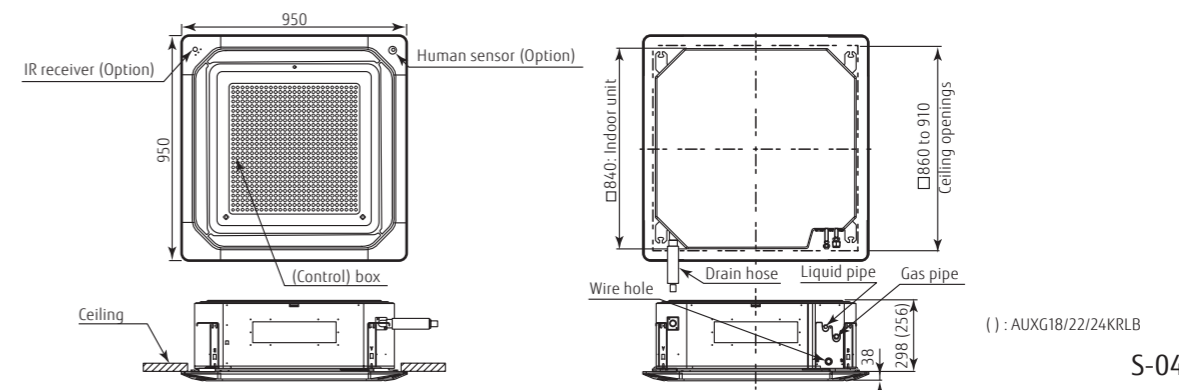
*1: IR Receiver kit and human sensor kit cannot be connected.

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	Wireless LAN Interface:	UTY-TFSXZ1	Cassette Grille:	UTG-UKYA-B
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3		FJ-RC-WIFI-1	UTG-UKYA-W	UTG-UKYA-W
Wired Remote Controller:	UTY-RLRY	KNX® Converter:	UTY-VKSX	UTG-UKYC-W	UTR-YDZK
	UTY-RNNYM	MODBUS® Converter:	UTY-VMSX	Air Outlet Shutter Plate:	UTY-VTGXV
	UTY-RVNYM	External input and output PCB:	UTY-XCSX	Network Converter for single split (DC power supply type):	UTY-VTZX
Simple Remote Controller (Without operation mode):	UTY-RHRY	External input and output PCB Box:	UTZ-GXRA	Network Converter for single split (AC power supply type):	UTY-VTGB
Simple Remote Controller:	UTY-RSRY	Insulation Kit For High Humidity:	UTZ-KXRA	MODBUS® Interface:	FJ-RC-MBS-1
	UTY-RSNYM	Fresh Air Intake Kit:	UTZ-VXRA	KNX® Interface:	FJ-RC-KNX-Ii
Human Sensor Kit:	UTY-SHZXC	Wide Panel:	UTG-AKXA-W	(Outdoor unit 30/36/45/54)	
External Switch Controller:	UTY-TERX	Panel Spacer:	UTG-BKXA-W	External Connect Kit:	UTY-XWZXZ3
External Connect Kit:	UTY-XWZXZG	IR Receiver Unit	UTY-LBTYC		

Dimensions

(Unit : mm)



() : AUXG18/22/24KRLB

Cassette

Circular Flow Series

Comfort for Large Room



Unique Circular Flow design

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



Individual louver control

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

*Touch Panel Wired RC (UTY-RNRYZ3) only



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

Efficient air conditioning based on the room layout

Human sensor increases more energy saving

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

2 modes can be selected.

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

*Touch Panel Wired RC (UTY-RNRYZ3) only

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. Selectable according to the atmosphere and/or usage 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		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	
EER	Cooling	W/W	4.00	3.58	3.61	3.71	3.75	3.45	
	Heating		4.00	3.58	3.61	3.71	3.75	3.45	
COP	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	W/W	4.40	4.20	4.30	4.30	-	-	
	Heating (Average)		4.40	4.20	4.30	4.30	-	-	
Energy Efficiency Class	Cooling	A	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		258	361	444	519	-	-	
Annual Energy Consumption	Cooling	kWh/a	1,367	1,999	2,604	2,833	-	-	
	Heating		2.2	2.7	2.5	3.3	4.5	5.0	
Moisture Removal	Indoor (Cooling)	l/h	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	
	Indoor (Heating)		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	Outdoor(Cooling/Heating)	dB(A)	High	51/50	55/56	53/55	54/55	55/55	55/57
	Indoor(Cooling/Heating)		High	47/47	49/49	54/54	58/58	60/60	61/61
Sound Power Level	Outdoor(Cooling/Heating)	High	6/4/62	68/68	67/69	68/70	68/68	69/71	
	Indoor / Outdoor (Cooling)		High	1,050/1,900	1,150/2,460	1,600/3,600	1,900/3,800	2,000/6,750	2,100/6,750
Airflow Rate	Indoor / Outdoor (Heating)	High	m ³ /h	1,050/1,700	1,150/2,340	1,600/3,600	1,900/3,800	2,000/6,200	2,100/6,850
	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	mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330	
	Outdoor		kg (lbs)	24 (53)	24 (53)	26 (57)	29 (64)	29 (64)	
Weight	Indoor	kg (lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (190)	86 (190)	
	Outdoor		6.35/12.7	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		
	Max Pipe Length (Pre-Charge)	m	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)	
Max Height Difference	mm	20	20	30	30	30	30		
	Operation Range	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
Refrigerant	Cooling	Type (Global Warming Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Heating		Charge	kg(CO2eq-T)	1.80 (3.758)	1.80 (3.758)	2.10 (4.385)	2.10 (4.385)	3.35 (6.995)
Cassette Grille	Variation	UTG-UKYA-W: White Color with touch panel wired remote controller UTG-UKYC-W: White Color / UTG-UKYA-B*1: Black Color							
	Dimensions (H 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)		

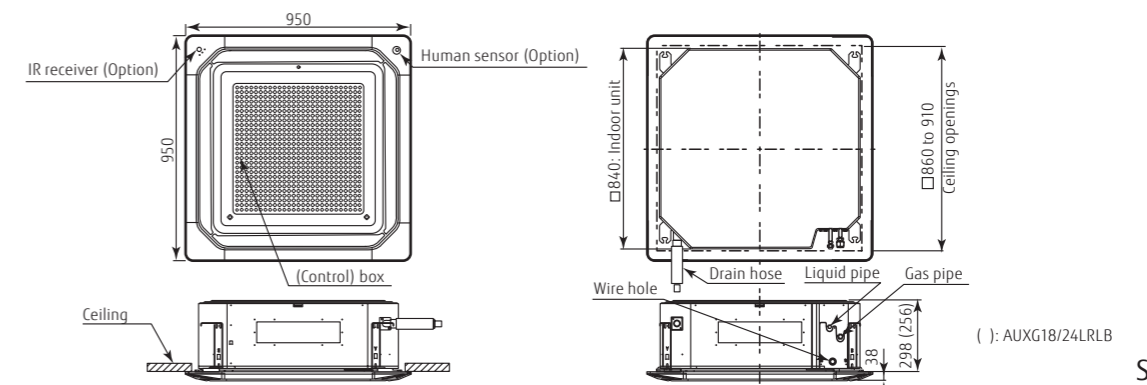
*1: IR Receiver kit and human sensor kit cannot be connected.

Optional parts

Compact Wired Remote Controller: Wired Remote Controller (Touch Panel): Wired Remote Controller:	UTY-RCRYZ1 UTY-RNRYZ3 UTY-RLRY UTY-RNRYM UTY-RVNYM UTY-RHRY UTY-RSRY UTY-RSNYM UTY-SHZXC UTY-TERX UTY-XWZXCZG	Wireless LAN Interface: KNX® Converter: MODBUS® Converter: External input and output PCB: External input and output PCB Box: Insulation Kit For High Humidity: Fresh Air Intake Kit: Wide Panel: Panel Spacer: IR Receiver Unit	UTY-TFNXZ1 FJ-RC-WIFI-1 UTY-VKSX UTY-VMSX UTY-XCSX UTZ-GXRA UTZ-KXRA UTZ-VXRA UTG-AKXA-W UTG-BKXA-W UTY-LBTYC	Cassette Grille: Air Outlet Shutter Plate: MODBUS® Interface: KNX® Interface: Network Converter for single split (DC power supply type): Network Converter for single split (AC power supply type):	UTG-UKYA-B UTG-UKYA-W UTG-UKYC-W UTR-YDK FJ-RC-MBS-1 FJ-RC-KNX-1 UTY-VTGX UTY-VTGXV
Human Sensor Kit: External Switch Controller: External Connect Kit:				(Outdoor unit 45/54) External Connect Kit:	UTY-XWZXCZ3

Dimensions

(Unit : mm)



Cassette

4-way Flow Series

Comfort for large room



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



Wired R.C.



For AUYG30/36LRLE



For AUYG45LRLA (Single phase)



For AUYG36/45/54LRLA

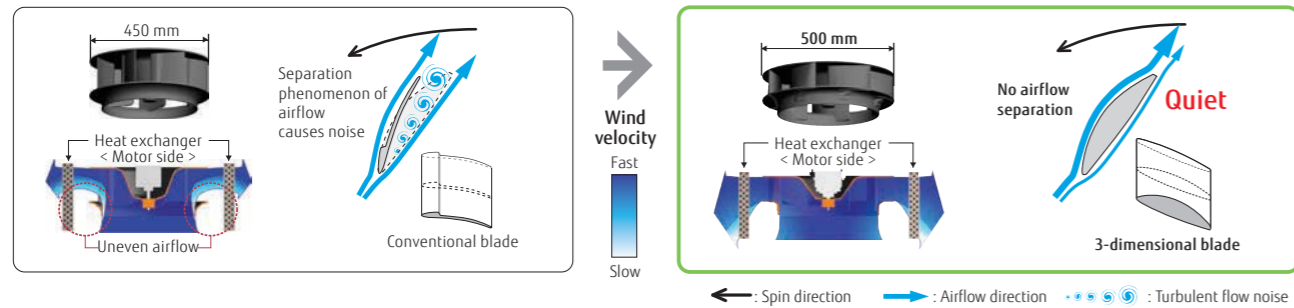
Specifications

Model No.	Indoor unit					Outdoor unit			
	AUYG30LRLE	AUYG36LRLE	AUYG45LRLA	AUYG45LRLA	AUYG54LRLA	AUYG36LRLA	AUYG45LRLA	AUYG54LRLA	
Power Source	Single phase, ~230V, 50Hz					3 phase, ~400V, 50Hz			
Capacity	Cooling	kW					10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating	kW					11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating	kW					2.44/2.56	3.54/3.58	4.36/4.43
EER	Cooling	W/W					4.10	3.53	3.21
COP	Heating	W/W					4.38	3.91	3.61
Pdesign	Cooling/Heating(-10°C)	kW					8.5/8.0	10.0/8.7	-
SEER	Cooling	W/W					6.50	6.30	-
SCOP	Heating (Average)	W/W					4.30	4.20	-
Energy Efficiency Class	Cooling	A++					A++	-	-
	Heating (Average)	A+					A+	-	-
Max. Operating Current	Cooling/Heating	A					17.0/17.0	18.5/20.0	23.5/23.5
	Cooling	kW/h/a					458	555	-
Annual Energy Consumption	Cooling	kW/h/a					2,604	2,897	-
	Heating	kW/h/a					-	-	-
Moisture Removal	Cooling	l/h					2.5	3.5	4.5
	Heating	l/h					4.5	5.0	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q					40/38/36/32	43/38/36/32	46/42/40/36
	Indoor (Heating)	H/M/L/Q					40/38/36/32	43/38/36/32	46/42/40/36
	Outdoor(Cooling/Heating)	High					53/55	54/55	58/58
Sound Power Level	Indoor(Cooling/Heating)	High					54/54	57/57	-
	Outdoor(Cooling/Heating)	High					68/69	69/70	-
	Indoor / Outdoor (Cooling)	High					1,600/3,600	1,800/3,800	1,900/4,650
Airflow Rate	Indoor / Outdoor (Heating)	High					1,600/3,600	1,800/3,800	1,900/4,650
	Indoor / Outdoor (Cooling)	High					1,600/3,600	1,800/3,800	1,900/4,650
Net Dimensions H x W x D	Indoor	mm					288x840x840	288x840x840	288x840x840
	Outdoor	mm					830x900x330	830x900x330	914x970x370
Weight	Indoor	kg(lbs)					26 (57)	26 (57)	26 (57)
	Outdoor	kg(lbs)					61 (134)	61 (134)	75 (165)
Connection Pipe Diameter (Liquid / Gas)	Cooling	mm					9.52/15.88	9.52/15.88	9.52/15.88
	Heating	mm					25.0/32.0	25.0/32.0	25.0/32.0
Drain hose Diameter (I.D./O.D.)	Cooling	mm					50 (20)	50 (20)	50 (20)
	Heating	mm					30	30	30
Max Pipe Length (Pre-Charge)	Cooling	m					30	30	30
	Heating	m					15 to 46	15 to 46	15 to 46
Max Height Difference	Cooling	°CDB					-15 to 46	-15 to 46	-15 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)	R410A (2,088)
	Charge	kg(CO2eq-T)					2.10 (4.385)	2.10 (4.385)	2.90 (6.055)
Cassette Grille	Model name	UTG-UGYA-W					UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W
	Dimensions (H x W x D)	mm					50x950x950	50x950x950	50x950x950
Weight	Indoor	kg(lbs)					5.5 (12)	5.5 (12)	5.5 (12)
	Outdoor	kg(lbs)					5.5 (12)	5.5 (12)	5.5 (12)

High efficiency turbo fan with 3-dimensional blade

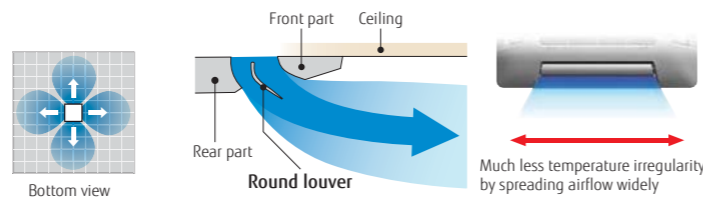
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

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



Improvement of the airflow distribution

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

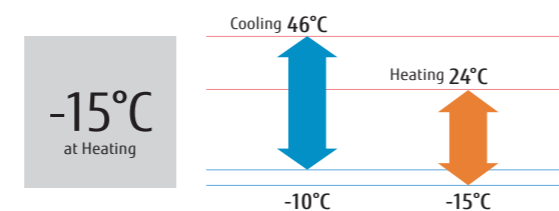


Adjustment of hanger position is possible after installation.

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



Low ambient operation

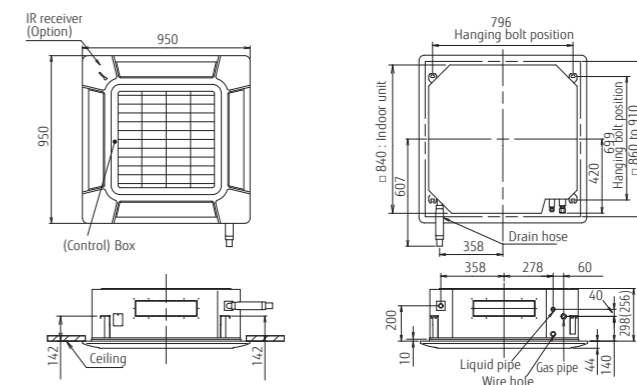


Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- External Switch Controller: UTY-TERX
- Wireless LAN Interface: UTY-TFNXZ1, FJ-RC-WIFI-1
- IR Receiver Unit: UTY-LRHYA2
- External Connect Kit: UTY-XWZX
- Insulation Kit For High Humidity: UTZ-KXGA
- Fresh Air Intake Kit: UTZ-VXGA
- External Connect Kit: UTD-ECSSA
- Wide Panel: UTG-AGYA-W
- Panel Spacer: UTG-BGYA-W
- Air Outlet Shutter Plate: UTR-YDZC
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-Ti
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- Cassette Grille: UTG-UGYA-W
- (Outdoor unit 36/45/54) External Connect Kit: UTY-XWZXZ2

Dimensions

(Unit : mm)



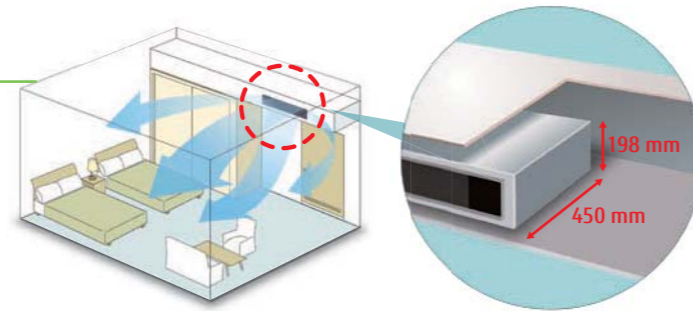
Mini Duct Built-in Drain Pump



Large living space available

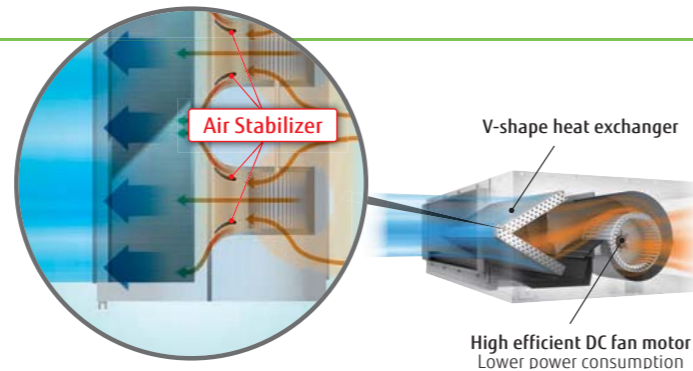
- Installation space can be reduced down to minimum depth 450 mm height 198 mm and compact design
- Lightweight: 15.5 kg 18% down (12/14 models*)

*Compared with Slim duct 12/14 models.



Optimum airflow path and low noise operation

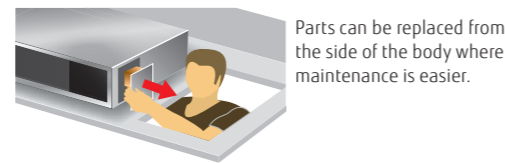
Low noise is realized drastically by stabilized airflow design.



Easy design and maintenance for drain

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

Built-in drain pump as standard:
Maintenance is easy



Auto Louver Grille Kit (Option)

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



Model : ARYG12LSLAP / ARYG14LSLAP / ARYG18LSLAP



ARYG12/14LSLAP



ARYG18LSLAP



Wired R.C.



For ARYG12/14LSLAP



For ARYG18LSLAP

Specifications

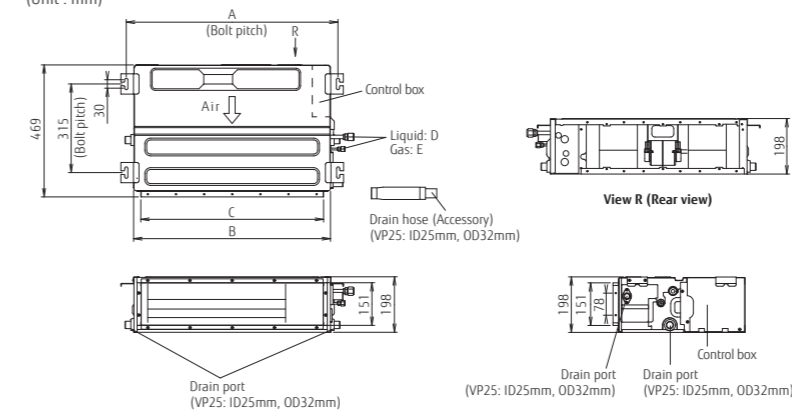
Model No.	Indoor unit		ARYG12LSLAP	ARYG14LSLAP	ARYG18LSLAP
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LBCB
Power Source			Single phase, ~230V, 50Hz		
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating	kW	1.03/1.15	1.34/1.49	1.62/1.77
EER	Cooling	W/W	3.40	3.21	3.21
	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
	Cooling		5.70	5.60	5.80
SEER	Cooling	W/W	3.90	3.80	3.80
	Heating		3.90	3.80	3.80
Energy Efficiency Class	Cooling		A+	A+	A+
	Heating		A	A	A
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	11.5/13.5
	Cooling		215	269	314
Annual Energy Consumption	Cooling	kWh/a	1,505	1,656	1,913
	Heating		1.2	1.4	1.8
Moisture Removal	Indoor (Cooling)	l/h	31/27/25/23	35/30/27/23	33/29/26/23
	Indoor (Heating)		31/27/25/23	35/30/27/23	33/29/26/23
Sound Pressure Level	Outdoor (Cooling/Heating)	dB(A)	47/48	49/49	50/50
	Indoor (Cooling/Heating)		High	55/57	60/62
Sound Power Level	Outdoor (Cooling/Heating)	High	61/63	62/64	62/65
	Indoor / Outdoor (Cooling)		High	650/1,780	800/1,910
Airflow Rate	Indoor / Outdoor (Heating)	High	650/1,630	800/1,740	940/2,080
	Static pressure range (Standard)		Pa	0 to 30 (10)	0 to 50 (15)
Net Dimensions	Indoor	mm	198×700×450	198×700×450	198×900×450
	Outdoor		mm	578×790×300	578×790×300
Weight	Indoor	kg(lbs)	15.5 (34)	15.5 (34)	18.5 (41)
	Outdoor		kg(lbs)	40 (88)	40 (88)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)
Max Height Difference		m	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 (2.401)	1.25 (2.610)	1.20 (2.506)

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY		FJ-RC-WIFI-1	Auto Louver Grille Kit:	UTD-GXTA-W (12/14)
	UTY-RNNYM	KNX® Converter:	UTY-VKXS		UTD-GXTB-W (18)
	UTY-RVNYM	MODBUS® Converter:	UTY-VMSX	IR Receiver Unit:	UTY-LBTYM
Simple Remote Controller (Without operation mode):	UTY-RHRY	Remote Sensor Unit:	UTY-XSZX	External Connect Kit:	UTY-XWZXXZG
Simple Remote Controller:	UTY-RSRY	MODBUS® Interface:	FJ-RC-MBS-1		
	UTY-RSNYM	KNX® Interface:	FJ-RC-KNX-Ii		

Dimensions

(Unit : mm)



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

Slim Duct

Slim & Comfort



Slim design

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



Compact and lightweight outdoor unit

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



Selectable with a wide range of static pressure

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



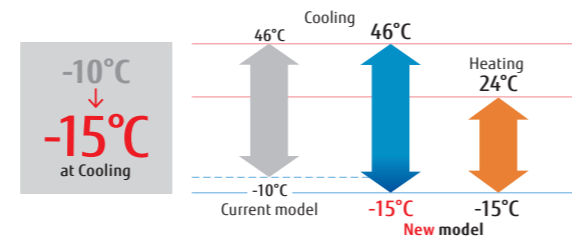
Static pressure range
0 to 90 Pa

Auto Louver Grille Kit (Option)

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



Low ambient operation



Model : ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP



Specifications

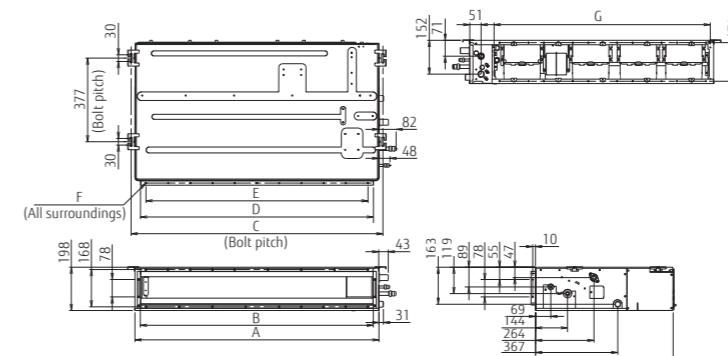
Model No.	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB
Power Source	Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating	kW	0.60/0.79	0.93/1.08	1.28/1.32	1.55/1.62
	EER		W/W	4.17	3.76	3.36
COP	Cooling	W/W		4.05	3.80	3.79
	Heating		2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4
Pdesign	Cooling/Heating(-10°C)	kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4
	SEER		W/W	6.20	6.10	5.80
SCOP	Cooling	W/W		4.30	4.00	3.90
	Heating		A++	A++	A+	A++
Energy Efficiency Class	Cooling	A	A+	A+	A	A+
	Heating		7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1
Max. Operating Current	Cooling/Heating	A	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1
	Annual Energy Consumption		kWh/a	141	201	259
Moisture Removal	Cooling	l/h		845	1,189	1,362
	Heating		0.7	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)		H/M/L/Q	28/26/25/24	29/28/26/24	32/30/28/25
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	47/47	49/49	50/50
	Indoor (Cooling/Heating)		High	57/57	58/58	60/60
Airflow Rate	Indoor / Outdoor (Cooling)	High	59/59	61/61	62/62	62/62
	Indoor / Outdoor (Heating)		High	600/1,480	650/1,580	800/1,670
Static pressure range (Standard)	Indoor / Outdoor (Heating)	High	600/1,410	650/1,520	800/1,580	940/1,830
	Net Dimensions		mm	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
H x W x D	Indoor	mm		198x700x620	198x700x620	198x900x620
	Outdoor		mm	542x799x290	542x799x290	542x799x290
Weight	Indoor	kg (lbs)	17 (37)	17 (37)	17 (37)	20 (44)
	Outdoor		kg (lbs)	32 (71)	33 (73)	33 (73)
Connection Pipe Diameter (Liquid / Gas)	Indoor / Outdoor (Cooling)	High	6.35/9.52	6.35/9.52	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)	Indoor / Outdoor (Cooling)	High	20 (15)	25 (15)	25 (15)	30 (20)
	Max Height Difference		m	15	20	20
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY	FJ-RC-WIFI-1	FJ-RC-WIFI-1	Fresh Air Intake Kit:	UTZ-VXAA
	UTY-RNNYM	KNX® Converter:	UTY-VKXS	Auto Louver Grille Kit:	UTD-GXTA-W (09-14)
	UTY-RVNYM	MODBUS® Converter:	UTY-VMSX		UTD-GXTB-W (18)
Simple Remote Controller (Without operation mode):	UTY-RHRY	Remote Sensor Unit:	UTY-XSZX	IR Receiver Unit:	UTY-LBTYM
Simple Remote Controller:	UTY-RSRY	MODBUS® Interface:	FJ-RC-MBS-1	External Connect Kit:	UTY-XWZXG
	UTY-RSNYM	KNX® Interface:	FJ-RC-KNX-1i		

Dimensions

(Unit : mm)



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

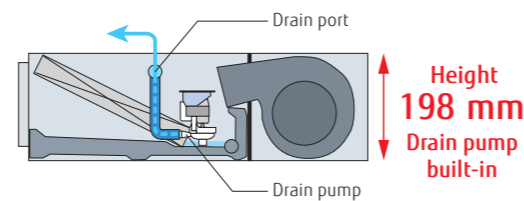
Slim Duct

Slim & Comfort



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

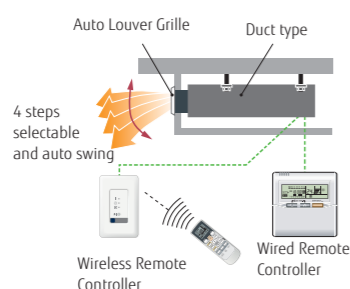
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa. The change of static pressure range is possible by remote controller.



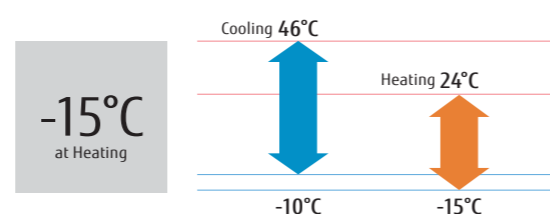
Static pressure range
0 to 90 Pa

Auto Louver Grille Kit (Option)

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



Low ambient operation



Model : ARYG12LLTB / ARYG14LLTB / ARYG18LLTB



Specifications

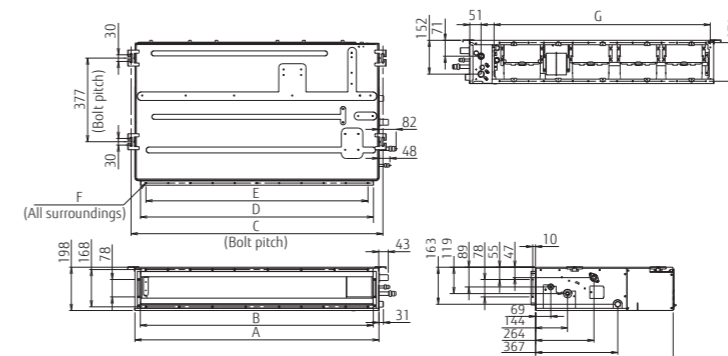
Model No.	Indoor unit		ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LBCB
Power Source	Single phase, ~230V, 50Hz				
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating		1.05/1.11	1.33/1.34	1.62/1.66
	EER	Cooling	3.33	3.21	3.21
COP		Heating	3.69	3.71	3.61
	Pdesign	Cooling/Heating(-10°C)		3.5/4.2	4.3/4.5
SEER		Cooling	5.90	5.80	6.20
	SCOP	Heating	4.00	3.90	4.10
Energy Efficiency Class		Cooling	A++	A+	A++
	Heating	A+	A	A+	
Max. Operating Current	Cooling/Heating		7.5/10.0	9.0/12.5	11.5/13.5
	Annual Energy Consumption	Cooling	207	259	294
Heating		1,467	1,614	1,775	
Moisture Removal			1.3	1.5	2.0
	Indoor (Cooling)	H/M/L/Q	29/28/26/25	32/30/28/26	32/30/29/27
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor (Cooling/Heating)	High	47/48	49/49	50/50
Sound Power Level	Indoor (Cooling/Heating)	High	58/58	60/60	58/58
	Outdoor (Cooling/Heating)	High	61/63	62/64	62/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	650/1,780	800/1,910	940/2,380
	Indoor / Outdoor (Heating)	High	650/1,630	800/1,740	940/2,080
Static pressure range (Standard)			0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor	mm	198*700*620	198*700*620	198*900*620
	Outdoor	mm	578*790*300	578*790*300	632*799*290
Weight	Indoor	kg(lbs)	19 (42)	19 (42)	23 (51)
	Outdoor	kg(lbs)	40 (88)	40 (88)	36 (79)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)			25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			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 (2.401)	1.25 (2.610)	1.20 (2.506)

Optional parts

Wired Remote Controller:	UTY-RNNYM UTY-RVNYM	External Connect Kit:	UTD-ECSSA UTD-GXSA-W (12/14)	Network Converter for single split (DC power supply type):	UTY-VTGX
Simple Remote Controller:	UTY-RSNYM	Auto Louver Grille Kit:	UTD-GXSB-W (18) UTD-GXTA-W (12/14)	Network Converter for single split (AC power supply type):	UTY-VTGXV
External Switch Controller:	UTY-TERX		UTD-GXTB-W (18)	Remote Sensor Unit:	UTY-XSZX
Wireless LAN Interface:	UTY-TFNXZ1 FJ-RC-WIFI-1	IR Receiver Unit:	UTY-LRHVM	MODBUS® Interface:	FJ-RC-MBS-1
				KNX® Interface:	FJ-RC-KNX-1i

Dimensions

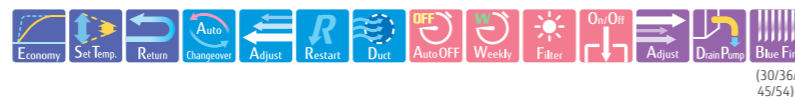
(Unit : mm)



	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

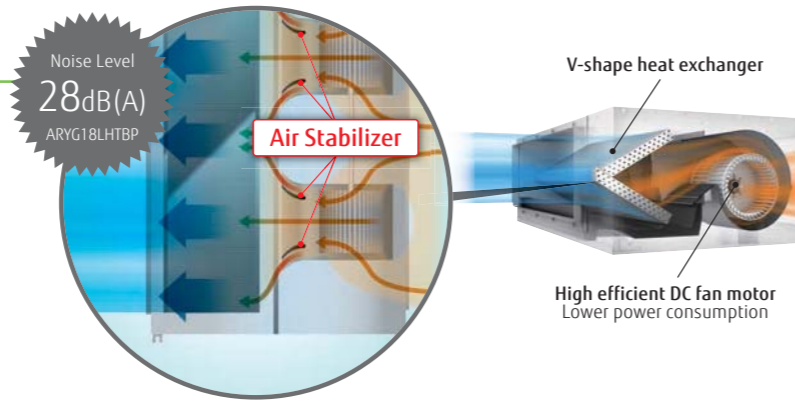
Medium Static Pressure Duct

Compact & Comfort



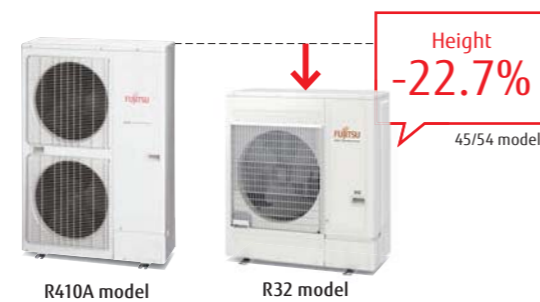
High Efficiency & Quiet operation

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



Small and light weight outdoor unit

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

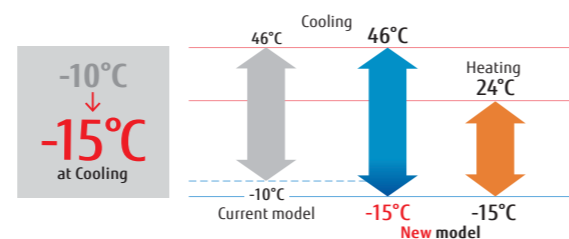


Automatic Airflow adjustment function

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



Low ambient operation



Model: ARXG12KHTAP / ARXG14KHTAP / ARXG18KHTAP / ARXG22KHTAP / ARXG24KHTAP / ARXG30KHTAP / ARXG36KHTAP / ARXG45KHTAP / ARXG54KHTAP
NEW ARXG36KHTAP [3 phase] / **NEW** ARXG45KHTAP [3 phase] / **NEW** ARXG54KHTAP [3 phase]



Specifications

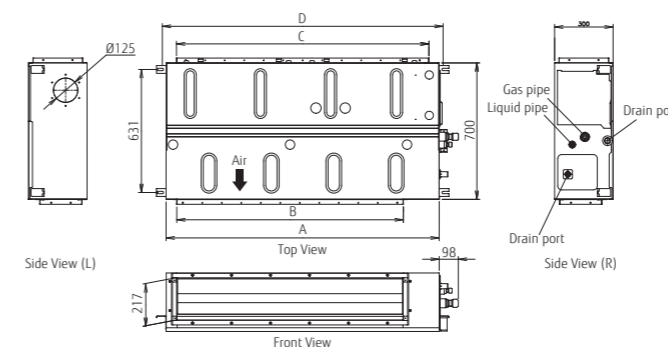
Model No.	Indoor unit		ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTA	ARXG45KHTA	ARXG54KHTA	
	Outdoor unit		ADYG12KHTB	ADYG14KHTB	ADYG18KHTB	ADYG22KHTB	ADYG24KHTB	ADYG30KHTB	ADYG36KHTB	ADYG45KHTB	ADYG54KHTB	ADYG36KHTA	ADYG45KHTA	ADYG54KHTA	
Power Source	Single phase, ~230V, 50Hz											3 phase, ~400V, 50Hz			
Capacity	Cooling	kW													
	Heating	kW													
Input Power	Cooling/Heating	kW													
		W/W													
EER	Cooling	W/W													
	Heating	W/W													
COP	Cooling	W/W													
	Heating	W/W													
Pdesign	Cooling/Heating(-10°C)	kW													
		W/W													
SEER	Cooling	W/W													
	Heating (Average)	W/W													
SCOP	Cooling	W/W													
	Heating (Average)	W/W													
Energy Efficiency Class	Cooling	A++													
	Heating (Average)	A+													
Max. Operating Current	Cooling/Heating	A													
		kWh/a													
Annual Energy Consumption	Cooling	kWh/a													
	Heating	kWh/a													
Moisture Removal	Cooling	l/h													
	Heating	l/h													
Sound Pressure Level	Indoor (Cooling)	dB(A)													
	Indoor (Heating)	dB(A)													
Sound Power Level	Outdoor (Cooling/Heating)	dB(A)													
		dB(A)													
Airflow Rate	Indoor / Outdoor (Cooling)	m³/h													
	Indoor / Outdoor (Heating)	m³/h													
Static pressure range (Standard)	Indoor	Pa													
	Outdoor	Pa													
Net Dimensions H x W x D	Indoor	mm													
	Outdoor	mm													
Weight	Indoor	kg (lbs)													
	Outdoor	kg (lbs)													
Connection Pipe Diameter (Liquid / Gas)	Indoor	mm													
	Outdoor	mm													
Drain hose Diameter (I.D./O.D.)	Indoor	mm													
	Outdoor	mm													
Max Pipe Length (Pre-Charge)	Indoor	m													
	Outdoor	m													
Max Height Difference	Indoor	m													
	Outdoor	m													
Operation Range	Cooling	°CDB													
	Heating	°CDB													
Refrigerant	Type (Global Warming Potential)	R32 (675)													
	Charge	kg(CO2eq-T)													

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	KNX® Converter:	UTY-VKSX	Wireless LAN Interface:	UTY-TFSXZ1
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	MODBUS® Converter:	UTY-VMSX	FJ-RC-WIFI-1	
Wired Remote Controller:	UTY-RLRY	External input and output PCB:	UTY-XCSX	IR Receiver Unit:	UTY-LBTYM
	UTY-RNNYM	External Connect Kit:	UTY-XWZXZG	Network Converter for single split (DC power supply type):	UTY-VTGX
	UTY-RVNYM	External input and output PCB:	UTZ-GXNA	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple Remote Controller (Without operation mode):	UTY-RHRY	Long-Life Filter:	UTD-LFNA (36-54)		
Simple Remote Controller:	UTY-RSRY		UTD-LFNB (18-30)		
	UTY-RSNYM		UTD-LFNC (12-14)		
External Switch Controller:	UTY-TERX	MODBUS® Interface:	FJ-RC-MBS-1		
Remote Sensor Unit:	UTY-XSZX	KNX® Interface:	FJ-RC-KNX-11		

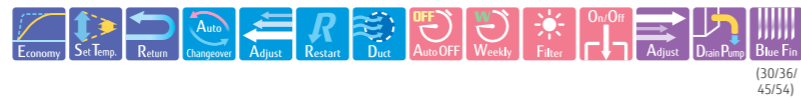
Dimensions

(Unit : mm)



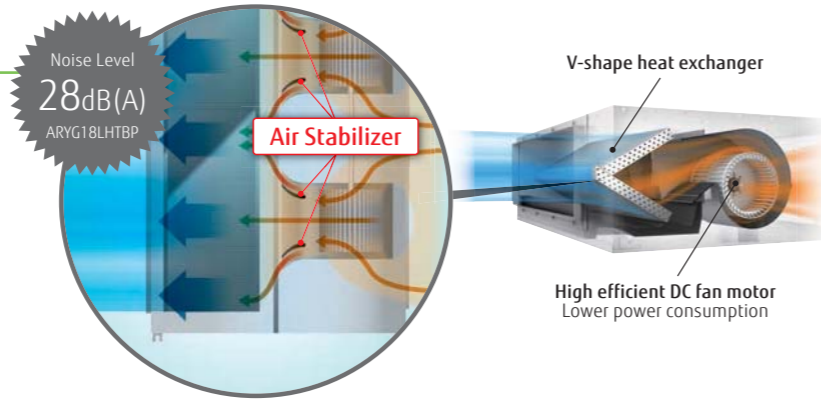
	ARXG12/14KHTAP	ARXG18/22/24/30KHTAP	ARXG36/45/54KHTAP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

Medium Static Pressure Duct Compact & Comfort



High Efficiency & Quiet operation

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



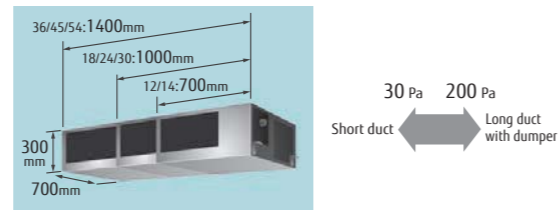
Automatic Airflow adjustment function

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



Improved installation flexibility

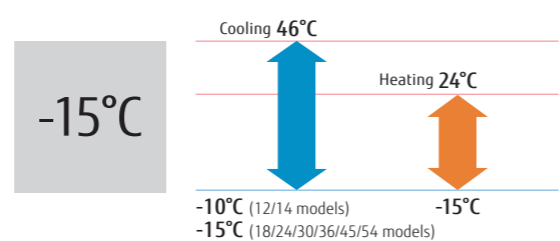
- Capable to be installed in various applications that requires static pressure of 30 Pa to 200 Pa*
 - Built-in drain pump, rises drain up to 850 mm
 - Unified depth throughout the range enables the selection of the capacity regardless of the additional space.
- (*: 12/14/18/24/30/36 models)



Improved service and maintenance

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

Low ambient operation



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



Specifications

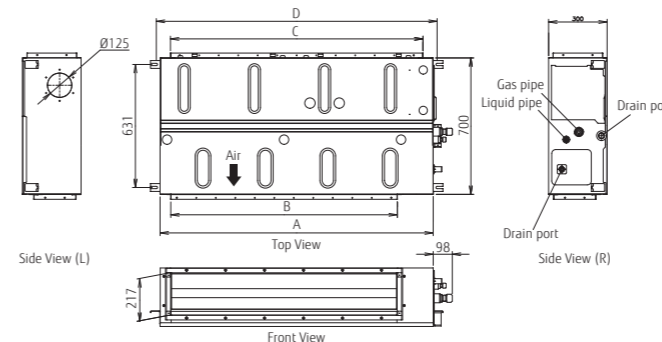
Model No.	Indoor unit	ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP	
	Outdoor unit	AOYG12LBCA	AOYG14LBCA	AOYG18LBCA	AOYG24LBCA	AOYG30LBCA	AOYG36LBCA	AOYG45LBCA	AOYG54LBCA	
Power Source		Single phase, ~230V, 50Hz								
Capacity	Cooling	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	
	Heating	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-8.0)	8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-16.2)	16.0 (4.7-16.5)	
Input Power	Cooling/Heating	0.90/1.00	1.18/1.25	1.37/1.48	1.95/2.21	2.65/2.70	2.83/3.07	3.59/3.44	4.42/4.62	
EER	Cooling	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03	
COP	Heating	4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46	
Pdesign	Cooling/Heating (-10°C)	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	6.20	6.10	7.15	6.50	5.95	5.81	-	-	
SCOP	Heating (Average)	4.10	4.00	4.11	4.01	3.95	3.81	-	-	
Energy Efficiency Class	Cooling	A++	A++	A++	A++	A+	A+	-	-	
	Heating (Average)	A+	A+	A+	A+	A	A	-	-	
Max. Operating Current	Cooling/Heating	8.0/10.5	9.5/13.0	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	22.5/22.5	23.5/23.5	
Annual Energy Consumption	Cooling	198	247	255	366	500	566	-	-	
	Heating	1,434	1,573	1,462	2,092	2,833	3,194	-	-	
Moisture Removal		0.7	0.9	1.2	1.8	2.3	2.0	2.6	3.7	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	36/33/28/26	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	
Sound Power Level	Outdoor (Cooling/Heating)	High	47/48	49/49	50/51	55/56	53/55	54/55	55/57	
	Indoor (Cooling/Heating)	High	57/58	59/60	54/54	57/57	63/65	64/63	67/69	
Airflow Rate	Indoor / Outdoor (Cooling)	High	850/1,780	950/1,910	1,050/1,900	1,360/2,460	1,700/3,600	2,050/3,800	2,550/6,750	
	Indoor / Outdoor (Heating)	High	850/1,630	950/1,740	1,050/1,700	1,360/2,340	1,700/3,600	1,850/3,800	2,550/6,200	
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 (60)	30 to 200 (60)	
Net Dimensions	Indoor	mm	300*700*700	300*700*700	300*1,000*700	300*1,000*700	300*1,400*700	300*1,400*700	300*1,400*700	
	Outdoor	mm	578*790*300	578*790*300	620*790*290	620*790*290	830*900*330	830*900*330	1,290*900*330	
Weight	Indoor	kg (lbs)	27 (60)	27 (60)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)	
	Outdoor	kg (lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (190)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	
Max Height Difference		m	15	15	20	20	30	30	30	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	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-t)	1.15 (2.401)	1.25 (2.610)	1.80 (3.758)	1.80 (3.758)	2.10 (4.385)	2.10 (4.385)	3.35 (6.995)	

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	KNX® Converter:	UTY-VKSX	Wireless LAN Interface:	UTY-TFNXZ1
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	MODBUS® Converter:	UTY-VMSX	FJ-RC-WIFI-1	FJ-RC-WIFI-1
Wired Remote Controller:	UTY-RLRY	External input and output PCB:	UTY-XCSX	IR Receiver Unit:	UTY-LBTYM
	UTY-RNNYM	External Connect Kit	UTY-XWZXG	Network Converter for single split (DC power supply type):	UTY-VTGX
	UTY-RVNYM	External input and output PCB Bracket:	UTZ-GXNA	Network Converter for single split (DC power supply type):	UTY-VTGXX
	UTY-RHRY	Long-Life Filter	UTD-LFNA (36-54)	(Outdoor unit 45/54)	UTY-XWZXZ3
Simple Remote Controller (Without operation mode):	UTY-RSRY	MODBUS® Interface:	UTD-LFNB (18-30)	External Connect Kit:	
Simple Remote Controller:	UTY-RSNYM	KNX® Interface:	UTD-LFNC (12-14)		
External Switch Controller:	UTY-TERX		FJ-RC-MBS-1		
Remote Sensor Unit:	UTY-XSXZ		FJ-RC-KNX-1i		

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



Model : ARXG22KMLA / ARXG24KMLA / ARXG30KMLA / ARXG36KMLA / ARXG45KMLA
 NEW ARXG36KMLA [3 phase] / NEW ARXG45KMLA [3 phase]



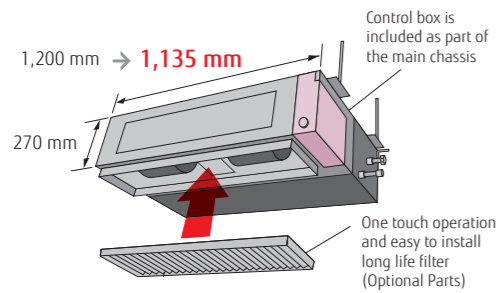
Specifications

Model No.	Indoor unit		ARXG22KMLA	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit		AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA
Power Source	Single phase, ~230V, 50Hz							3 phase, ~400V, 50Hz	
Capacity	Cooling	kW	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)
	Heating		7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)
Input Power	Cooling/Heating	kW	1.78/1.87	2.14/1.97	2.65/2.63	2.97/2.88	4.22/3.84	2.97/2.88	4.22/3.84
EER	Cooling	W/W	3.37	3.18	3.21	3.20	2.87	3.20	2.87
COP	Heating		3.74	3.80	3.80	3.75	3.52	3.75	3.52
Pdesign	Cooling/Heating(-10°C)	kW	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	9.5 / 8.7	-
SEER	Cooling	W/W	6.10	6.20	6.23	6.10	-	6.10	-
SCOP	Heating		4.10	4.10	4.00	4.00	-	4.00	-
Energy Efficiency Class	Cooling	A++	A++	A++	A++	A++	-	A++	-
	Heating		A+	A+	A+	A+	-	A+	-
Max. Operating Current	Cooling/Heating	A	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0
Annual Energy Consumption	Cooling	kWh/a	344	384	477	545	-	545	-
	Heating		1,637	2,045	2,797	3,044	-	3,044	-
Moisture Removal		l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)		H/M/L/Q	31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26
Sound Power Level	Outdoor (Cooling/Heating)	High	51/51	53/54	53/55	55/55	57/57	55/55	57/57
	Indoor (Cooling/Heating)		High	60/62	60/62	65/69	65/70	68/70	65/70
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,100/2,240	1,100/2,700	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750	2,100/4,450
	Indoor / Outdoor (Heating)		High	1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450	2,100/3,750
Static pressure range (Standard)		Pa	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30-150 (47)	30-150 (60)
Net Dimensions H x W x D	Indoor	mm	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700
	Outdoor		632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	788x940x320	998x940x320
Weight	Indoor	kg(lbs)	35 (77)	35 (77)	38 (84)	38 (84)	39 (86)	38 (84)	39 (86)
	Outdoor		38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	53 (117)	67 (148)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)		mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1
Max Pipe Length (Pre-Charge)		m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference		m	25	25	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		1.25 (0.844)	1.25(0.844)	1.90(1.283)	1.90(1.283)	2.70(1.823)	1.90(1.283)	2.70(1.823)

Slim & Compact design

Indoor Unit

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



Outdoor Unit

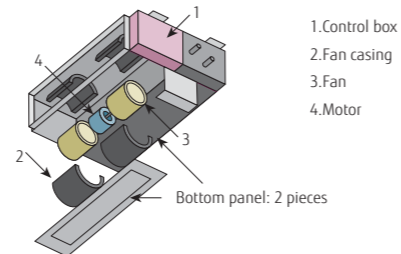
45 model outdoor unit was changed completely. Easier installation was realized by compact and lightweight outdoor unit.



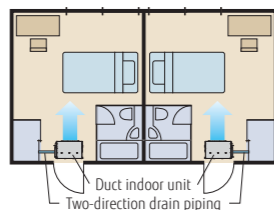
Easy maintenance

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

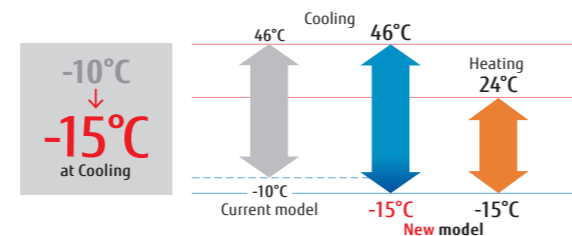
See below for the case of rear suction type



Two-direction drain piping



All class low ambient operation

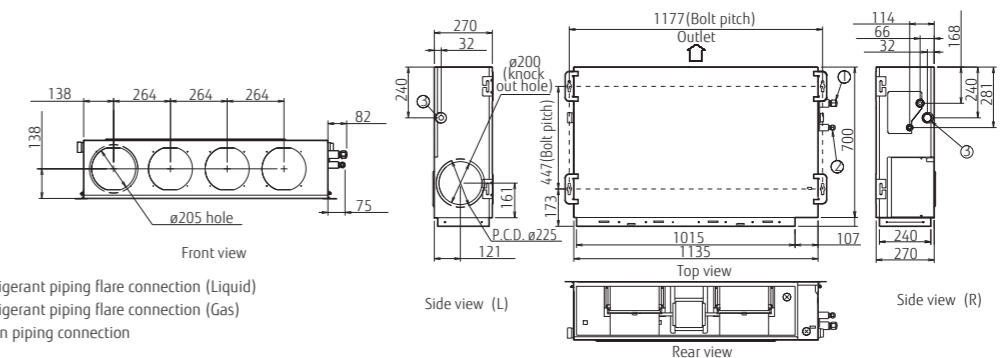


Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY		FJ-RC-WIFI-1	Remote Sensor Unit:	UTY-XSZX
	UTY-RNRYM	KNX® Converter:	UTY-VKSX	External Connect Kit:	UTY-XWZXZG
	UTY-RVNYM	MODBUS® Converter:	UTY-VMSX	Drain Pump Unit:	UTZ-PX1NBA
Simple Remote Controller (Without operation mode):	UTY-RHRY	Flange (Round):	UTD-LF25NA	Long-Life Filter:	UTD-SF045T
Simple Remote Controller:	UTY-RSRY	Flange (Square):	UTD-RF204		
	UTY-RSNRYM	MODBUS® Interface:	FJ-RC-MBS-1	(Outdoor unit 30/36/45/54)	
IR Receiver Unit:	UTY-LBTYM	KNX® Interface:	FJ-RC-KNX-II	External Connect Kit:	UTY-XWZXZ3

Dimensions

(Unit : mm)



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

Medium Static Pressure Duct Standard



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



Wired R.C.



For ARYG24LMLA



For ARYG30/36LMLE



For ARYG45LMLA (Single phase)



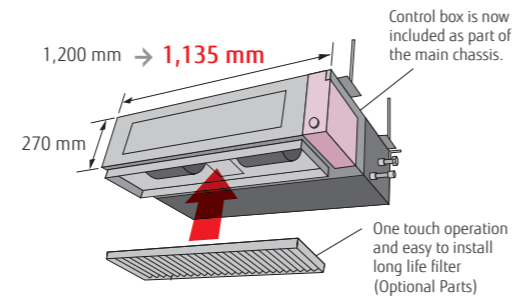
For ARYG36/45LMLA

Specifications

Model No.	Indoor unit		ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA	ARYG45LMLA	ARYG36LMLA	ARYG45LMLA	
	Outdoor unit		AOYG24LBCB	AOYG30LETL	AOYG36LETL	AOYG45LBTC	AOYG45LETL	AOYG36LATT	AOYG45LATT	
Power Source			Single phase, ~230V, 50Hz					3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.0)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	
	Heating		8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.2)	13.1 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	
Input Power	Cooling/Heating	kW	2.21/2.26	2.65/2.68	2.96/3.10	4.29/3.84	3.77/3.68	2.84/2.87	3.89/3.88	
	Cooling		3.08	3.21	3.18	2.82	3.21	3.52	3.21	
EER	Cooling	W/W	3.54	3.73	3.61	3.46	3.61	3.90	3.61	
	Heating		3.08	3.21	3.18	2.82	3.21	3.52	3.21	
COP	Cooling	W/W	6.20	5.90	5.70	-	-	5.80	-	
	Heating		4.00	3.90	3.80	-	-	4.00	-	
Pdesign	Cooling/Heating(-10°C)	kW	6.8/6.0	8.5/8.0	9.4/8.7	-	-	10.0/10.0	-	
	Cooling		6.20	5.90	5.70	-	-	5.80	-	
SEER	Cooling	W/W	4.00	3.90	3.80	-	-	4.00	-	
	Heating		4.00	3.90	3.80	-	-	4.00	-	
SCOP	Cooling	W/W	A++	A+	A+	-	-	A+	-	
	Heating		A+	A	A	-	-	A+	-	
Max. Operating Current	Cooling/Heating	A	14.7/15.7	17.0/17.0	18.5/20.0	23.5/23.5	21.0/21.0	8.5/8.5	9.5/9.5	
	Cooling		384	504	576	-	-	603	-	
Annual Energy Consumption	Cooling	kWh/a	2,099	2,868	3,202	-	-	3,497	-	
	Heating		2.5	2.5	3.0	4.0	4.0	3.0	4.5	
Moisture Removal	Indoor (Cooling)	l/h	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	42/38/32/28	38/36/31/26	42/38/32/28	
	Indoor (Heating)		31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/38/32/28	40/36/31/26	48/38/32/28	
Sound Pressure Level	Outdoor (Cooling/Heating)	dB(A)	53/54	53/55	54/55	58/58	55/55	51/53	54/54	
	Indoor (Cooling/Heating)		60/62	65/69	65/69	-	-	65/67	-	
Sound Power Level	Outdoor (Cooling/Heating)	dB(A)	66/66	68/69	69/70	-	-	67/69	-	
	Indoor (Cooling/Heating)		60/62	65/69	65/69	-	-	65/67	-	
Airflow Rate	Indoor / Outdoor (Cooling)	m³/h	1,100/2,850	1,900/3,600	1,900/3,800	2,100/4,650	2,100/6,750	1,800/6,200	2,100/6,750	
	Indoor / Outdoor (Heating)		1,100/2,700	2,100/3,600	2,100/3,800	2,100/4,650	2,100/6,200	1,850/6,200	2,100/6,200	
Static pressure range (Standard)	Indoor	Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30 to 150 (60)	30 to 150 (47)	30 to 150 (60)	
	Outdoor		270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	
Net Dimensions H x W x D	Indoor	mm	716x820x315	830x900x330	830x900x330	914x970x370	1,290x900x330	1,290x900x330	1,290x900x330	
	Outdoor		38 (84)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)	
Weight	Indoor	kg(lbs)	42 (93)	61 (134)	61 (134)	75 (165)	86 (190)	104 (229)	104 (229)	
	Outdoor		6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Connection Pipe Diameter (Liquid / Gas)	Indoor	mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	36.0/38.0	36.0/38.0	
	Outdoor		30 (15)	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	
Max Pipe Length (Pre-Charge)	Indoor	m	20	30	30	30	30	30	30	
	Outdoor		-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
Operation Range	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
	Heating		-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
Refrigerant	Type (Global Warming Potential)	kg(CO2eq-T)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge		1.50 (3.132)	2.10 (4.385)	2.10 (4.385)	2.90 (6.055)	3.35 (6.995)	3.45 (7.204)	3.45 (7.204)	

Slim & Compact design

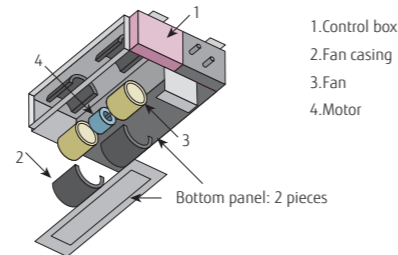
In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270 mm, further space savings have been achieved by mounting the control box internally inside the chassis.



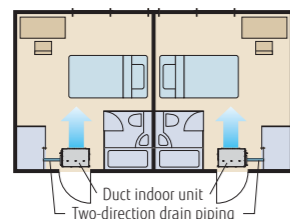
Easy maintenance

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

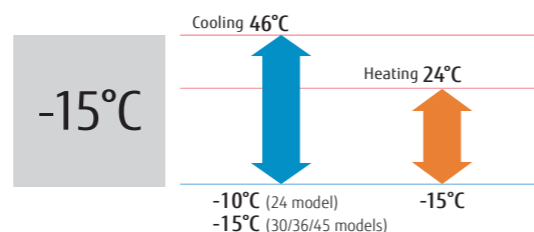
See below for the case of rear suction type



Two-direction drain piping



Low ambient operation

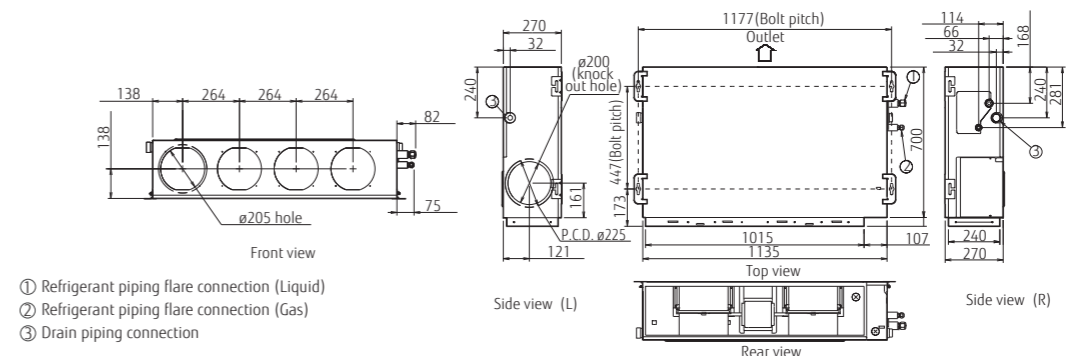


Optional parts

Wired Remote Controller: UTY-RNNYM	Drain Pump Unit: UTZ-PXINBA	Network Converter for single split (DC power supply type): UTY-VTGX
Wireless Remote Controller: UTY-RVNYM	External Connect Kit: UTD-ECSSA	Network Converter for single split (AC power supply type): UTY-VTGXV
Simple Remote Controller: UTY-RSNYM	Long-Life Filter: UTD-LF25NA	IR Receiver Unit: UTY-LRHYM
External Switch Controller: UTY-TERX	Flange (Round): UTD-RF204	(Outdoor unit 36/45/54) UTY-XWZXX2
Wireless LAN Interface: UTY-TFNXZ1	Flange (Square): UTD-SF045T	External Connect Kit:
FJ-RC-WIFI-1	MODBUS® Interface: FJ-RC-MBS-1	
UTY-XS2X	KNX® Interface: FJ-RC-KNX-1i	

Dimensions

(Unit : mm)

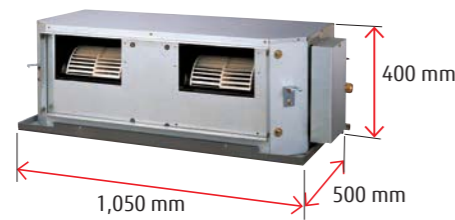


High Static Pressure Duct



Easy installation (Compact size & Lightweight)

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

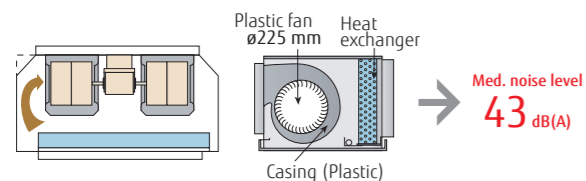


Design also corresponding to high static pressure

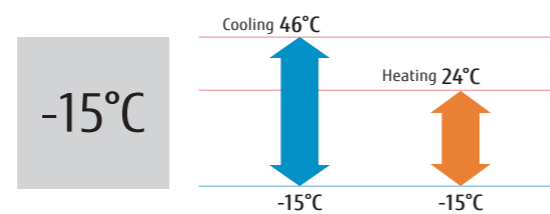


Low noise

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



Low ambient operation



Model : ARXG45KHTA / ARXG54KHTA
 NEW ARXG45KHTA [3 phase] / NEW ARXG54KHTA [3 phase]



Specifications

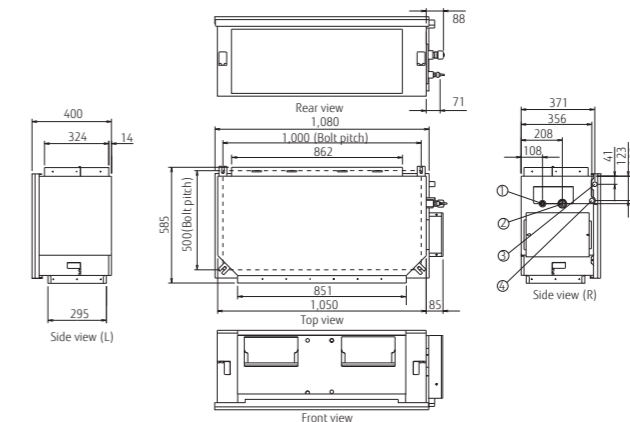
Model No.	Indoor unit		ARXG45KHTA	ARXG54KHTA	ARXG45KHTA	ARXG54KHTA
	Outdoor unit		AOYG45KBTB	AOYG54KBTB	AOYG45KRTA	AOYG54KRTA
Power Source	Single phase, ~230V, 50Hz			3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.1 (4.0-14.0)	13.4 (5.0-14.5)	12.1 (4.0-14.0)	13.4 (5.0-14.5)
	Heating		13.5 (5.0-16.2)	15.5 (5.5-18.0)	13.5 (5.0-16.2)	15.5 (5.5-18.0)
Input Power	Cooling/Heating		4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18
	EER	Cooling	2.91	2.81	2.91	2.81
COP		Heating	3.74	3.71	3.74	3.71
	Pdesign	Cooling/Heating(-10°C)		-	-	-
SEER		Cooling	-	-	-	-
	SCOP	Heating	-	-	-	-
Energy Efficiency Class		Cooling		-	-	-
	Heating		-	-	-	-
Max. Operating Current	Cooling/Heating		28.5/28.5	28.5/28.5	14.0/14.0	14.0/14.0
	Annual Energy Consumption	Cooling	-	-	-	-
Heating		-	-	-	-	
Moisture Removal	l/h		1.5	2.0	1.5	2.0
	Sound Pressure Level	Indoor (Cooling)	H/M/L	47/43/40	47/43/40	47/43/40
Indoor (Heating)		H/M/L	47/43/40	47/43/40	47/43/40	47/43/40
Outdoor (Cooling/Heating)		High	57/57	57/59	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High	75/74	75/74	75/74	75/74
	Outdoor (Cooling/Heating)	High	71/71	73/73	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
	Indoor / Outdoor (Heating)	High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
Static pressure range (Standard)	Pa		100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)
Net Dimensions H x W x D	Indoor	mm	400x1,050x500	400x1,050x500	400x1,050x500	400x1,050x500
	Outdoor	mm	998x940x320	998x940x320	998x940x320	998x940x320
Weight	Indoor	kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)
	Outdoor	kg(lbs)	67 (148)	67 (148)	67 (148)	67 (148)
Connection Pipe Diameter (Liquid / Gas)	mm		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
Max Pipe Length (Pre-Charge)	m		50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference	m		30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg(CO2eq-T)	2.70(1.823)	2.70(1.823)	2.70(1.823)	2.70(1.823)

Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM, UTY-RSNYM
- Simple Remote Controller: UTY-RSNYM
- Wireless LAN Interface: UTY-TFNXZ1, FJ-RC-WIFI-1
- External Connect Kit: UTD-ECS5A, Remote Sensor Unit: UTY-XSZX, Long-Life Filter: UTD-LF60KA
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-Ii
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- External Switch Controller: UTY-TERX
- (Outdoor unit 45/54): UTY-XWZX23

Dimensions

(Unit : mm)



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

High Static Pressure Duct



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



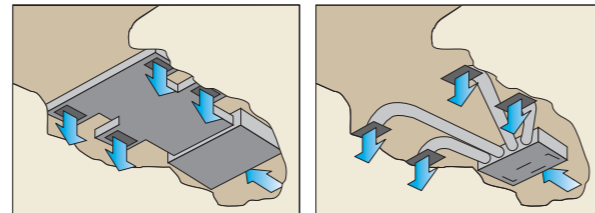
Specifications

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 (Cooling)	High	3,350/6,750	3,350/6,750	3,350/6,750	3,350/6,900	3,550/6,900
	Indoor / Outdoor (Heating)	High	3,350/6,200	3,350/6,850	3,350/6,200	3,350/6,900	3,550/7,300
Static pressure range (Standard)		Pa	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	60 to 260 (60)
Net Dimensions H x W x D	Indoor	mm	400×1,050×500	400×1,050×500	400×1,050×500	400×1,050×500	425×1,250×490
	Outdoor	mm	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330
Weight	Indoor	kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	54 (119)
	Outdoor	kg(lbs)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
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 (6.995)	3.35 (6.995)	3.45 (7.204)	3.45 (7.204)	3.45 (7.204)

High energy efficiency

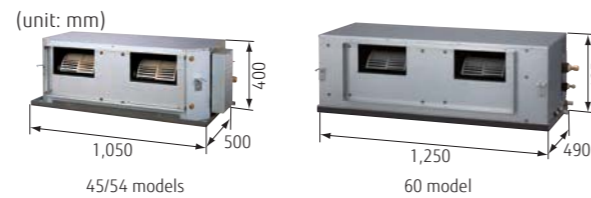
Significantly greater efficiency is realized by using all DC inverter technology. (60 model)

Design also corresponding to high static pressure



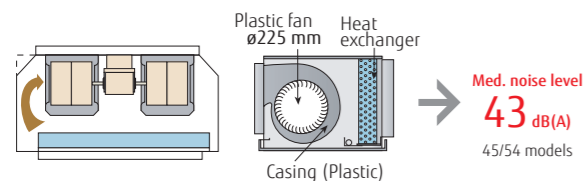
Easy installation (Compact size & Lightweight)

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

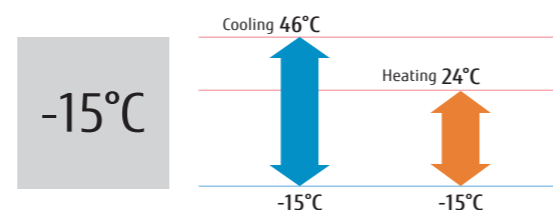


Low noise

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



Low ambient operation

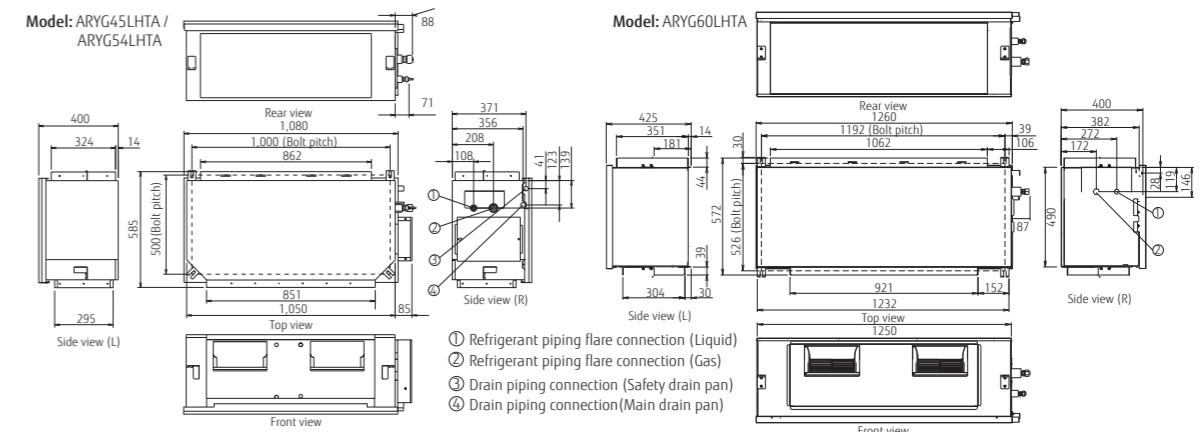


Optional parts

- Wired Remote Controller: UTY-RNNYM
- Wired Remote Controller: UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- External Switch Controller: UTY-TERX
- Wireless LAN Interface: UTY-TFNXZ1
- Remote Sensor Unit: UTY-XSZX
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-1i
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- External Connect Kit: UTD-ECS5A
- IR Receiver Unit: UTY-LRHYM (60)
- Long-Life Filter: UTD-LF60KA (45/54)
- (Outdoor unit AOYG45/54/60LATT) External Connect Kit: UTY-XWZX22

Dimensions

(Unit : mm)



Big Duct



Model : ARYG72LHTA / ARYG90LHTA



Wired R.C.

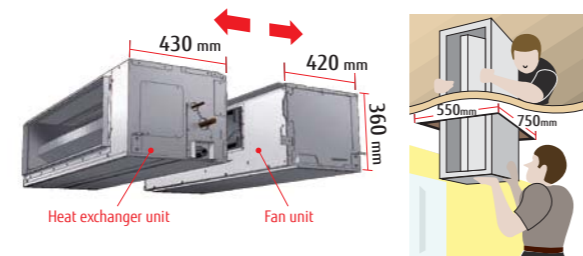


Specifications

Model No.	Indoor unit		ARYG72LHTA	ARYG90LHTA
	Outdoor unit		AOYG72LRLA	AOYG90LRLA
Power Source	Indoor		Single phase, ~230V, 50Hz	
	Outdoor		3 phase, ~400V, 50Hz	
Capacity	Cooling	kW	19.0 (8.4-20.9)	22.0 (10.3-24.2)
	Heating		22.4 (7.2-24.6)	27.0 (8.5-29.7)
Input Power	Cooling/Heating	kW	6.46 / 6.59	7.77 / 8.18
EER	Cooling	W/W	2.94	2.83
	Heating		3.40	3.30
COP	Cooling	W/W	2.94	2.83
	Heating		3.40	3.30
Max. Operating Current	Indoor (Cooling/Heating)	A	-	-
	Outdoor (Cooling/Heating)		-	-
Moisture Removal			I/h	
Sound Pressure	Indoor (Cooling)	H/M/L/Q	46/43/41/39	47/44/42/40
	Indoor (Heating)		H/M/L/Q	46/43/41/39
Airflow Rate	Outdoor (Cooling/Heating)	High	55/55	55/57
	Indoor / Outdoor (Cooling)		m³/h	4,300/8,400
	Indoor / Outdoor (Heating)	High		4,300/8,400
Static pressure range (Standard)		Pa	50 to 150 (72)	50 to 200 (72)
Net Dimensions		mm	360×1,400×850	360×1,400×850
H x W x D		mm	1,428×1,080×480	1,428×1,080×480
Weight	Indoor	kg(lbs)	69 (152)	80 (176)
	Outdoor		165 (364)	174 (384)
Connection Pipe Diameter (Liquid / Gas)		mm	12.7/25.4	12.7/25.4
Drain Hose Diameter (I.D./O.D.)			25/32	25/32
Max Pipe Length (Pre-Charge)		m	100 (30)	100 (30)
Height Difference			30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46
	Heating		-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	5.6 (11.693)	7.1 (14.825)

Separation is possible by lightweight compact design

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



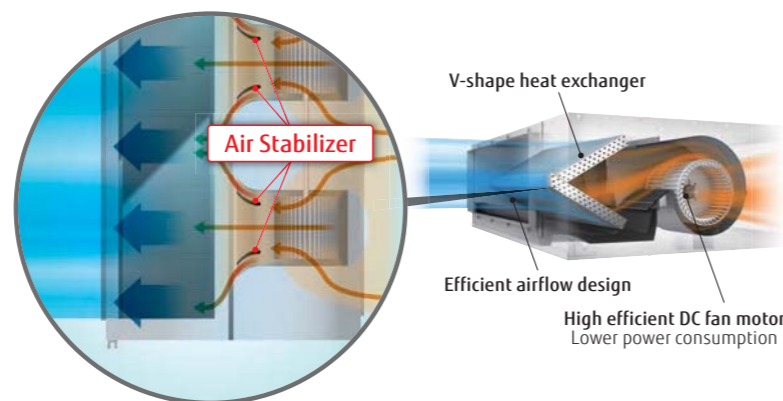
Automatic Airflow adjustment function

This function can set the optimum airflow automatically so, that 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.

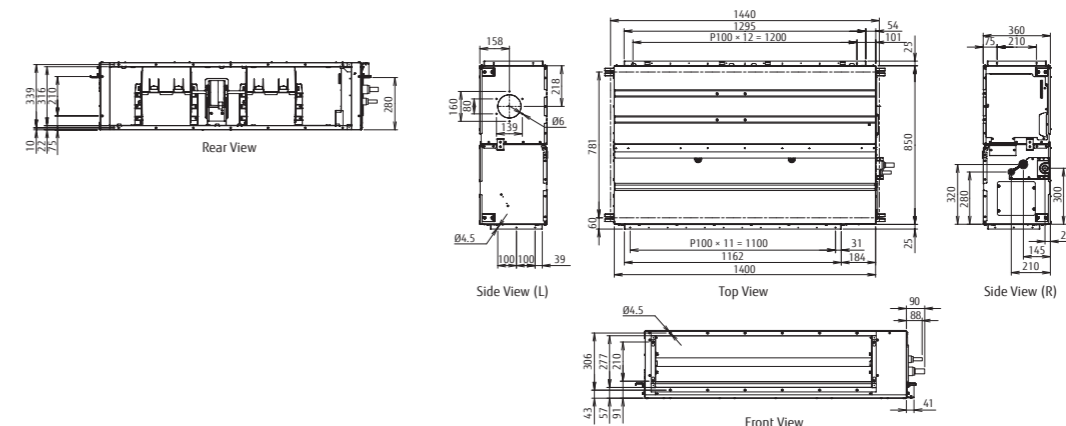


Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RLRY		FJ-RC-WIFI-1	IR Receiver Unit:	UTY-LBXYM
	UTY-RNNYM	KNX® Converter:	UTY-VKSX		UTY-LRHYM
	UTY-RVNYM	MODBUS® Converter:	UTY-VMSX		
Simple Remote Controller (Without operation mode):	UTY-RHRY	External input and output PCB:	UTY-XCSX	(Outdoor unit 72/90)	
Simple Remote Controller:	UTY-RSRY	Remote Sensor Unit:	UTY-XSZX	External Connect Kit:	UTY-XWZXZ
	UTY-RSNYM	MODBUS® Interface:	FJ-RC-MBS-1		
External Connect Kit:	UTY-XWZXZG	KNX® Interface:	FJ-RC-KNX-1i		
Drain Pump Unit:	UTZ-PX1NAB	Long Life Filter	UTD-LFKA		

Dimensions

(Unit : mm)



Floor

Compact & Comfort



Model: AGYG09LVCA / AGYG12LVCA / AGYG14LVCA

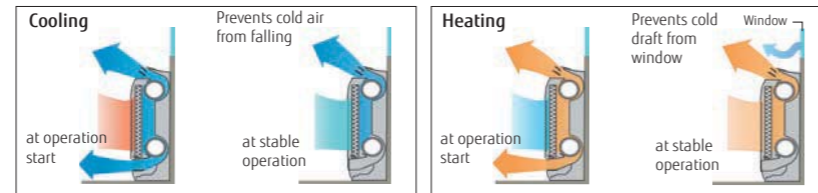


Specifications

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		0.53/0.79	0.94/1.19	1.14/1.44
	Cooling	W/W	4.91	3.72	3.68
EER	Cooling		4.43	3.78	3.61
	Heating		2.6/2.9	3.5/3.8	4.2/4.7
Pdesign	Cooling/Heating(-10°C)		7.00	6.50	6.40
	Cooling	W/W	4.20	4.00	4.00
SEER	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A+
SCOP	Cooling		7.0/10.0	7.0/10.0	9.0/13.5
	Heating (Average)		130	188	230
Energy Efficiency Class	Cooling	kWh/a	967	1,330	1,645
	Heating	kWh/a	1.3	1.8	2.1
Max. Operating Current	Cooling/Heating		A	A	A
	Cooling	A	7.0/10.0	7.0/10.0	9.0/13.5
Annual Energy Consumption	Cooling	A	130	188	230
	Heating	kWh/a	967	1,330	1,645
Moisture Removal	Cooling/Heating		1.3	1.8	2.1
	Indoor (Cooling)	l/h	40/35/29/22	40/35/29/22	44/38/31/22
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/35/29/22	40/35/29/22	43/37/29/22
	Indoor (Heating)	H/M/L/Q	40/35/29/22	40/35/29/22	43/37/29/22
Sound Power Level	Outdoor (Cooling/Heating)	High	47/48	48/49	50/50
	Indoor (Cooling/Heating)	High	55/56	55/56	58/58
Airflow Rate	Outdoor (Cooling/Heating)	High	64/65	64/65	65/66
	Indoor / Outdoor (Cooling)	High	570/1,680	570/1,680	650/1,910
Net Dimensions H x W x D	Indoor / Outdoor (Heating)	High	600/1,490	600/1,680	650/1,750
	Indoor	mm	600×740×200	600×740×200	600×740×200
Weight	Outdoor	mm	540×790×290	540×790×290	578×790×300
	Indoor	kg(lbs)	14 (31)	14 (31)	14 (31)
Connection Pipe Diameter (Liquid / Gas)	Outdoor	kg(lbs)	36 (79)	36 (79)	40 (88)
	Indoor	kg(lbs)	36 (79)	36 (79)	40 (88)
Drain hose Diameter (I.D./O.D.)	mm	6.35/9.52	6.35/9.52	6.35/12.70	
Max Pipe Length (Pre-Charge)	mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	
Max Height Difference	m	20 (15)	20 (15)	20 (15)	
Operation Range	Cooling		15	15	15
	Heating		-10 to 43	-10 to 43	-10 to 43
Refrigerant	Type (Global Warming Potential)		-15 to 24	-15 to 24	-15 to 24
	Charge	kg(CO2eq-T)	R410A (2,088)	R410A (2,088)	R410A (2,088)
			1.05 (2.192)	1.05 (2.192)	1.15 (2.401)

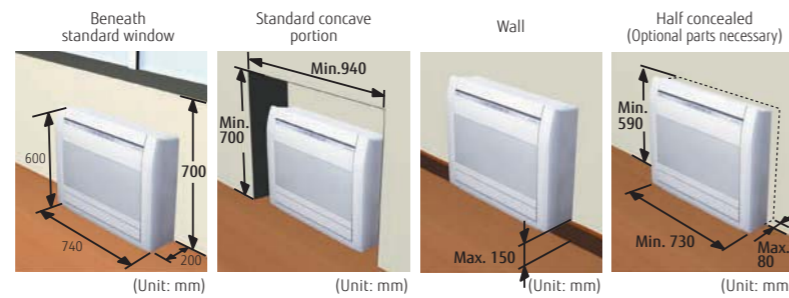
2-Fan & Wide airflow

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



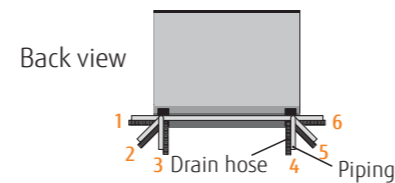
Flexible & easy installation

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.



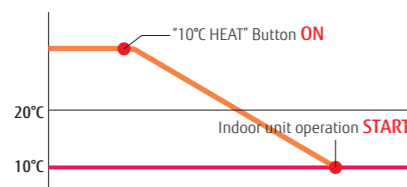
Flexible piping connection 6 direction of drain & piping

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

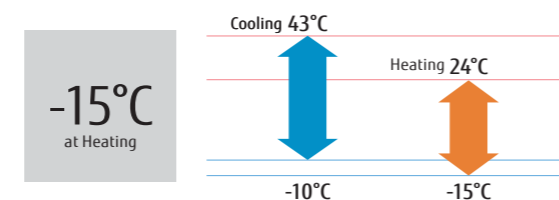


10°C HEAT Operation

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

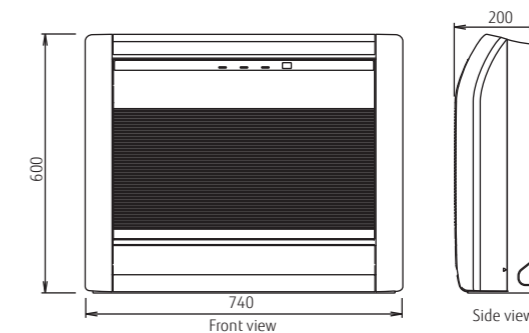


Optional parts

- Wired Remote Controller: UTU-RNNYM, UTU-RVNYM
- Simple Remote Controller: UTU-RSNYM
- External Switch Controller: UTU-TERX
- Wireless LAN Interface: UTU-TFNXZ1, FJ-RC-WIFI-1
- Network Converter for single split (DC power supply type): UTU-VTGX
- Network Converter for single split (AC power supply type): UTU-VTGXV
- External Connect Kit: UTU-XWZX
- Half Concealed Kit: UTR-STA
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-ti

Dimensions

(Unit : mm)



Floor/Ceiling

Comfort & Dual Design



Model : ABYG18LVTB / ABYG24LVTA



Wireless R.C.



For ABYG18LVTB



For ABYG24LVTA

Specifications

Model No.	Indoor unit		ABYG18LVTB	ABYG24LVTA
	Outdoor unit		AOYG18LBCB	AOYG24LBCB
Power Source	Single phase, ~230V, 50Hz			
Capacity	Cooling	kW	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating	kW	6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating		1.62/1.66	2.21/2.26
	Cooling	W/W	3.21	3.08
COP	Heating		3.61	3.54
	Cooling/Heating(-10°C)	kW	5.2/5.2	6.8/6.0
SEER	Cooling		6.10	5.60
	Heating (Average)		4.00	3.90
Energy Efficiency Class	Cooling		A++	A+
	Heating (Average)		A+	A
Max. Operating Current	Cooling/Heating		A	14.7/15.7
	Cooling	kWh/a	298	425
Annual Energy Consumption	Heating		1,818	2,153
	Moisture Removal		l/h	2.7
Sound Pressure Level	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
Sound Power Level	Outdoor(Cooling/Heating)	High	50/50	53/54
	Indoor(Cooling/Heating)	High	57/57	61/61
Airflow Rate	Indoor / Outdoor (Cooling)	High	780/2,380	980/2,850
	Indoor / Outdoor (Heating)	High	780/2,080	980/2,700
Net Dimensions H x W x D	Indoor		199×990×655	199×990×655
	Outdoor		632×799×290	716×820×315
Weight	Indoor		27 (60)	27 (60)
	Outdoor		36 (79)	42 (93)
Connection Pipe Diameter (Liquid / Gas)			6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)			25/32	25/32
Max Pipe Length (Pre-Charge)			25 (15)	30 (15)
Max Height Difference			15	20
Operation Range	Cooling		-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	1.20 (2.506)

Flexible installation

Example for floor installation
Floor console

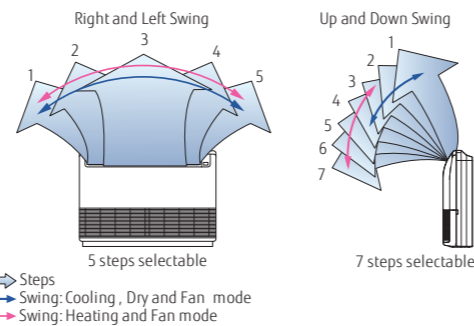


Example for ceiling installation
Under ceiling



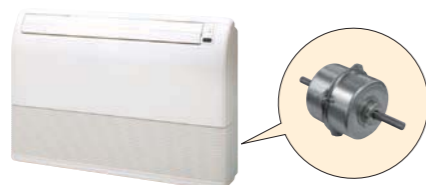
Double auto swing

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

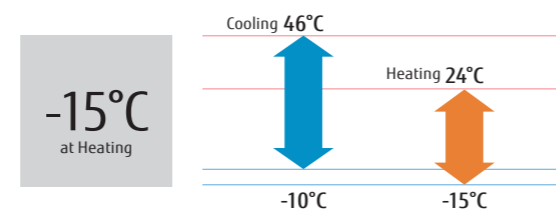


High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation

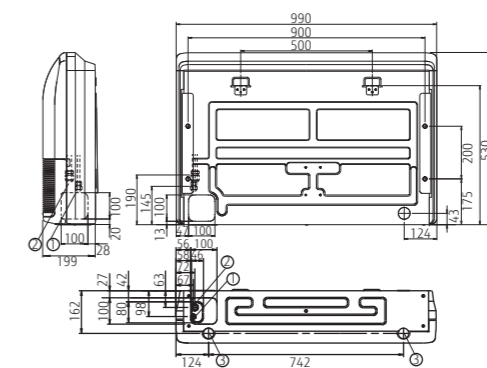


Optional parts

- Wired Remote Controller: UTY-RNNYM UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- External Switch Controller: UTY-TERX
- Wireless LAN Interface: UTY-TFNXZ1 FJ-RC-WIFI-1
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- External Connect Kit: UTY-XWZX
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-1i

Dimensions

(Unit : mm)



Ceiling



Light Elegant Design

Light-elegant and three-dimensional expression composed of curved surface gives comfort and wellbeing.



Flexible installation

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



Easy installation

The indoor unit can be easily installed under the ceiling due to the new designed mounting.



Easy maintenance

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

Drain pan can be taken off for cleaning.

Components in the control box can be easily accessed from the widely open side.



Model : ABYG18KRTA / ABYG22KRTA / ABYG24KRTA / ABYG30KRTA / ABYG36KRTA / ABYG45KRTA
 ABYG36KRTA [3 phase] / ABYG45KRTA [3 phase] / ABYG54KRTA [3phase]



Specifications

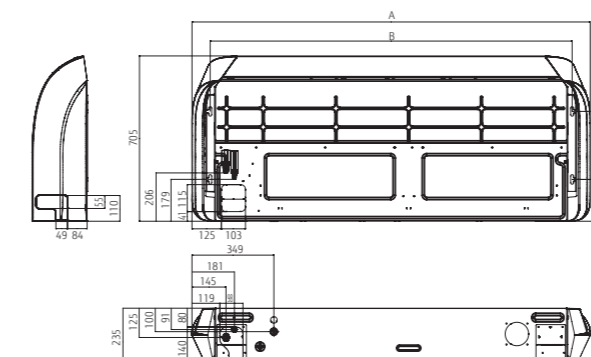
Model No.	Indoor unit						Outdoor unit			
	ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA	
	ADYG18KBTB	ADYG22KBTB	ADYG24KBTB	ADYG30KBTB	ADYG36KBTB	ADYG45KBTB	ADYG36KRTE	ADYG45KRTE	ADYG54KRTE	
Power Source	Single phase, ~230V, 50Hz						3 phase, ~400V, 50Hz			
Capacity	Cooling	5.2(0.9-5.9)	6.0(0.9-6.7)	6.8(0.9-8.0)	8.5(2.8-10.0)	9.5(2.8-11.2)	9.5(2.8-11.2)	12.1(4.0-13.5)	13.4(4.5-14.5)	
	Heating	6.0(0.9-7.5)	7.0(0.9-8.0)	7.5(0.9-9.1)	10.0(2.7-11.2)	10.8(2.7-12.7)	10.8(2.7-12.7)	13.5(4.2-16.2)	15.5(4.7-16.5)	
Input Power	Cooling/Heating	1.55/1.62	1.87/1.95	2.14/1.97	2.65/2.77	2.96/2.88	2.96/2.88	4.22/3.84	4.54/4.43	
EER	Cooling	3.35	3.21	3.18	3.21	3.21	3.21	2.87	3.01	
	Heating	3.70	3.59	3.81	3.61	3.75	3.75	3.52	3.50	
Pdesign	Cooling/Heating(-10°C)	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	9.5/8.7	-	-	
SEER	Cooling	6.2	6.1	6.2	6.1	6.37	6.37	-	-	
	Heating (Average)	4.1	4.0	4.1	4.0	4.21	4.21	-	-	
SCOP	Heating (Average)	-	-	-	-	-	-	-	-	
Energy Efficiency Class	Cooling	A++	A++	A++	A++	A++	A++	-	-	
	Heating (Average)	A+	A+	A+	A+	A+	A+	-	-	
Max. Operating Current	Cooling/Heating	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0	
Annual Energy Consumption	Cooling	293	344	384	486	524	524	-	-	
	Heating	1,501	1,677	2,042	2,796	2,904	2,904	-	-	
Moisture Removal		2.0	2.5	2.2	3.0	2.6	2.6	4.5	5.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
	Indoor (Heating)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
Sound Power Level	Outdoor(Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	55/55	57/57
	Outdoor(Cooling/Heating)	High	53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60
Airflow Rate	Indoor / Outdoor (Cooling)	High	840/2,160	900/2,240	1,230/2,700	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450
	Indoor / Outdoor (Heating)	High	840/1,830	900/1,960	1,230/2,700	1,400/3,750	1,800/3,750	1,850/4,450	1,800/3,750	1,850/4,450
Net Dimensions H x W x D	Indoor	mm	235×1,080×705	235×1,080×705	235×1,390×705	235×1,390×705	235×1,700×705	235×1,700×705	235×1,700×705	235×1,700×705
	Outdoor	mm	632×799×290	632×799×290	716×820×315	788×940×320	788×940×320	998×940×320	788×940×320	998×940×320
Weight	Indoor	kg(lbs)	24(53)	24(53)	31(68)	31(68)	38(84)	38(84)	38(84)	38(84)
	Outdoor	kg(lbs)	36(79)	38(84)	42(93)	52(115)	52(115)	67(148)	53(117)	67(148)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.7	6.35/12.7	6.35/12.7	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	
Max Pipe Length (Pre-Charge)		m	30(20)	30(20)	30(20)	50(30)	50(30)	50(30)	50(30)	
Max Height Difference	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	
	Charge	kg(CO2eq-T)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90(1.283)	1.90(1.283)	2.70(1.823)	1.90(1.283)	2.70(1.823)

Optional parts

- Compact Remote Controller: UTY-RCRYZ1
- Wired Remote Controller (Touch Panel): UTY-RNRYZ3
- Wired Remote Controller: UTY-RLRY
- Simple Remote Controller (Without operation mode): UTY-RHRY
- Simple Remote Controller: UTY-RSRY
- External Switch Controller: UTY-TERX
- External input and output PCB: UTY-XCSX
- External input and output PCB Box: UTZ-GXEA
- External Connect Kit: UTY-RCRYZ1
- Wireless LAN Interface: UTY-TFSXZ1
- MODBUS® Converter: UTY-VMSX
- KNX® Converter: UTY-VKXS
- Drain Pump Unit: UTR-DPB24T
- IR Receiver Unit: UTY-LBTYH
- L-Type Piping Kit: UTP-FX24A (18/22/24)
UTP-FX35A (30/36/45/54)
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGVX
- (Outdoor unit 30/36/45/54) External Connect Kit: UTY-XWZXZ3

Dimensions

(Unit : mm)



	ABYG18/22KRTA	ABYG24/30KRTA	ABYG36/45/54KRTA
A	1,080	1,390	1,700
B	923	1,233	1,543

Ceiling

Comfort for Large Room

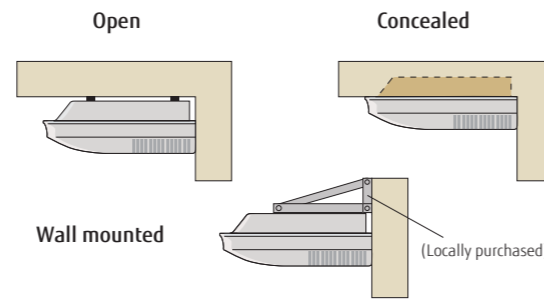


Model : **ABYG30LRTE / AYG36LRTE / AYG45LRTA / AYG36LRTA [3 phase] / AYG45LRTA [3 phase] / AYG54LRTA [3 phase]**



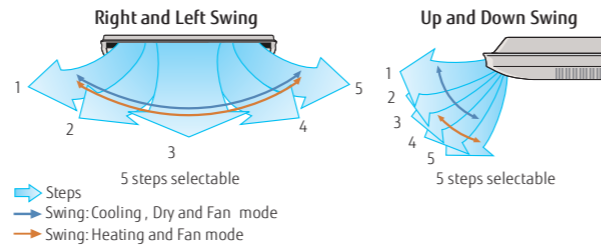
Flexible installation

Various installations are possible to match the room layout.

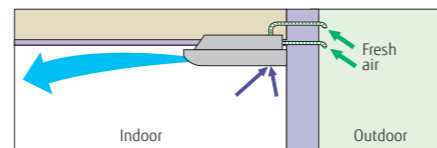


Multi auto swing

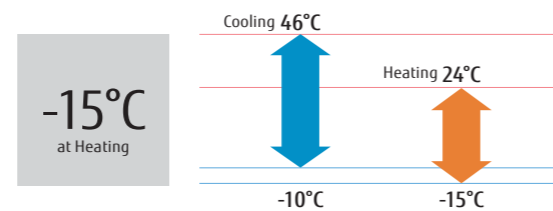
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Low ambient operation

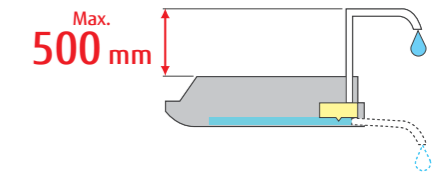


Specifications

Model No.	Indoor unit		ABYG30LRTE	ABYG36LRTE	ABYG45LRTA	ABYG45LRTA	ABYG36LRTA	ABYG45LRTA	ABYG54LRTA
	Outdoor unit		AOYG30LETL	AOYG36LETL	AOYG45LBT	AOYG45LETL	AOYG36LATT	AOYG45LATT	AOYG54LATT
Power Source			Single phase, ~230V, 50Hz				3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.0)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating		10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.2)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating	kW	2.65/2.77	2.93/3.02	4.29/3.84	3.77/3.68	2.84/2.87	3.89/3.88	4.65/4.67
EER	Cooling		W/W	3.21	3.21	2.82	3.21	3.52	3.21
COP	Heating			3.61	3.71	3.46	3.61	3.90	3.61
Pdesign	Cooling/Heating(-10°C)	kW	8.5/8.0	9.4/8.7	-	-	10.0/10.0	-	-
SEER	Cooling		W/W	6.10	6.00	-	-	6.10	-
SCOP	Heating			4.20	4.10	-	-	4.10	-
Energy Efficiency Class	Cooling	A++		A+	-	-	A++	-	-
	Heating	A+		A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating	A	17.0/17.0	18.5/20.0	23.5/23.5	20.5/20.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling		kWh/a	487	548	-	-	573	-
	Heating			2,662	2,965	-	-	3,414	-
Moisture Removal		l/h	2.5	3.0	4.0	4.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)		H/M/L/Q	45/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	47/43/37/32	49/45/39/34
	Indoor (Heating)	H/M/L/Q	45/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Outdoor (Cooling/Heating)	High	53/55	54/55	58/58	55/55	51/53	54/54	55/56
Sound Power Level	Indoor (Cooling/Heating)	High	57/60	60/61	-	-	61/61	-	-
	Outdoor (Cooling/Heating)	High	68/69	69/70	-	-	67/69	-	-
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,660/3,600	1,900/3,800	2,100/4,650	2,100/6,750	1,900/6,200	2,100/6,750	2,300/6,900
	Indoor / Outdoor (Heating)	High	1,660/3,600	1,900/3,800	2,100/4,650	2,100/6,200	1,900/6,200	2,100/6,200	2,300/6,900
Net Dimensions H x W x D	Indoor	mm	240×1,660×700	240×1,660×700	240×1,660×700	240×1,660×700	240×1,660×700	240×1,660×700	240×1,660×700
	Outdoor	mm	830×900×330	830×900×330	914×970×370	1,290×900×330	1,290×900×330	1,290×900×330	1,290×900×330
Weight	Indoor	kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	48 (106)
	Outdoor	kg(lbs)	61 (134)	61 (134)	75 (165)	86 (190)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)		mm	22.0/25.6	22.0/25.6	21.5/26.0	21.5/26.0	22.0/25.6	21.5/26.0	21.5/26.0
Max Pipe Length (Pre-Charge)		m	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference			30	30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	R410A (2,088)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	2.10 (4.385)	2.10 (4.385)	2.90 (6.055)	3.35 (6.995)	3.45 (7.204)	3.45 (7.204)	3.45 (7.204)

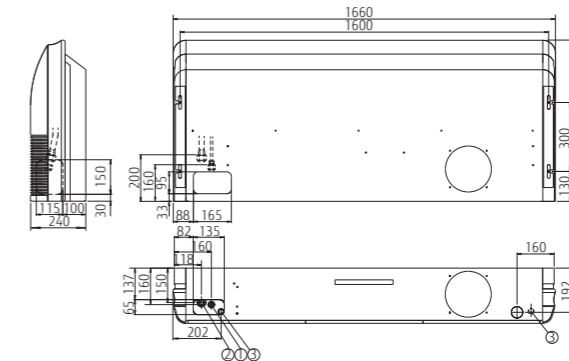
Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- External Switch Controller: UTY-TERX
- Wireless LAN Interface: UTY-TFNXZ1, FJ-RC-WIFI-1
- External Connect Kit: UTY-XWZX, UTD-ECSSA, UTD-RF204
- Flange (Round): UTY-XWZX22
- Drain Pump Unit: UTR-DPB24T
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- MODBUS® Interface: FJ-RC-MBS-1
- KNX® Interface: FJ-RC-KNX-1i



Dimensions

(Unit : mm)



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

Feature Summary

Type	Wall Mounted						Wall Mounted							
Series	Flagship Series	Designer Series		Standard Series		ECO Series		Designer Series		Standard Series		ECO Series		
Model No.	ASYG 12KXCA	ASYG 07/09/12/14 KGTB	ASYG 07/09/12/14 KETA, ASYG 07/09/12/14 KETA-B	ASYG 07/09/12/14 KMCC	ASYG 18/24KMTA	ASYG 30/36KMTA	ASYG 07/09/12 KPCC	ASYG 18/24KLCA	ASYG 09/12LTCA	ASYG 07/09/12/14 LUCA	ASYG 07/09/12/14 LMCE	ASYG 18/30LFCA, ASYG 24LFCC	ASYG 30/36LMTA	ASYG 07/09/12 LLCE
Energy Saving Function	Dual side fans	●												
	Save human sensor	●	●				●						●	
	Save & Stop human sensor													
	Economy mode	●	●	●	●	●	●	●	●	●	●	●	●	●
	Room temperature set point limitation		○		○	○	○			○	○	○	○	○
	Set temperature auto return		○		○	○	○			○	○	○	○	○
Comfortable Function	Powerful heating								●					
	Power diffuser	●									●	●		
	Server room operation												●	
	Powerful mode	●	●	●	●	●	●	●	●	●	●	●	●	●
	10°C HEAT operation	●	●	●	●	●	●			●	●	●	●	●
	Low noise mode	●	●	●	●	●	●			●	●	●	●	●
	Auto-changeover	●	●	●	●	●	●	●	●	●	●	●	●	●
	Up/down swing flaps		●	●	●	●	●	●	●	●	●	●	●	●
	Double swing automatic	●											●	●
	Automatic fan speed	●	●	●	●	●	●	●	●	●	●	●	●	●
	Auto restart	●	●	●	●	●	●	●	●	●	●	●	●	●
	Connectable fresh air duct													
	Fresh air intake													
	Connectable distributing duct													
Individual airflow direction control														
Convenient Function	Auto off timer		○		○	○			○	○	○	○	○	○
	Sleep timer	●	●	●	●	●	●	●	●	●	●	●	●	●
	Program timer	●	●	●	●	●	●	●	●	●	●	●	●	●
	Weekly timer		●	●	○	●	●		●	●	●	●	●	●
	Weekly + setback timer		○		○	○	○		○	○	○	○	○	○
	Filter sign		●	●	●	●	●	●	●	●	●	●	●	●
	External error output		○		○	○	○		○	○	○	○	○	○
	External ON/OFF input		○		○	○	○		○	○	○	○	○	○
Wireless LAN control	●	○		○	○	○	○	○	○	○	○	○	○	
Clean Function	Plasma air clean	●												
	Filter auto clean	●												
	Ion deodorization filter		●	●	○	●	●		●	●	●	●	●	●
	Apple-catechin filter		●	●	○	●	●		●	●	●	●	●	●
	Long life filter													
Washable panel		●	●		●		●	●		●	●		●	
Installation	Automatic airflow adjustment													
	Drain pump as standard													
	Blue fin					●						●	●	

○: Optional function

Feature Summary

Type	Cassette					Duct				Duct					Floor	Floor/ Ceiling	Ceiling			
	Series	Compact 4-way Flow Series		Circular Flow Series		4-way Flow Series	Mini (With drain pump)	Slim (With drain pump)		Medium Static Pressure (Compact & Comfort)		Medium Static Pressure (Standard)		High Static Pressure			Big			
Model No.	AUXG 09/12/14/ 18/22/24 KVLA	AUYG 12/14/18 LVLB, AUYG 24LVLA	AUXG 18/22/24/ 30/36/45/54 KRLB	AUXG 18/24/30/ 36/45/54 LRLB	AUYG 30/36LRLE, AUYG 36/45/54 LRLA	ARYG 12/14/18 LSLAP	ARXG 09/12/14/18 KLLAP	ARYG 12/14/18 LLTB		ARXG 12/14/18/ 22/24/30/ 36/45/54 KHTAP	ARYG 12/14/18/ 24/30/36/ 45/54 LHTBP	ARXG 22/24/ 30/36/45 KMLA	ARYG 24/36/45 LMLA, ARYG 30/36LMLE	ARXG 45/54KHTA	ARYG 45/54/60 LHTA	ARYG 72/90LHTA	AGYG 09/12/14 LVCA	ABYG 18LVTB, ABYG 24LVTA	ABYG 18/22/24 30/36/45/54 KRTA	ABYG 30/36LRTE, ABYG 36/45/54 LRTA
Energy Saving Function	Dual side fans																			
	Save human sensor																			
	Save & Stop human sensor			○	○															
	Economy mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Room temperature set point limitation	○	○	●	●	○	●	○	○	●	●	○	○	○	○	○	○	○	○	○
	Set temperature auto return	●	○	●	●	○	●	●	○	●	●	●	○	○	○	○	○	○	○	○
Comfortable Function	Powerful heating																			
	Power diffuser																			
	Server room operation																			
	Powerful mode																			
	10°C HEAT operation	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	●	●	○	●
	Low noise mode			○ (45/54)	○ (45/54)					○ (45/54)	○ (45/54)	○ (45/36LMLA)	○ (45/36LMLA)	○	○	○			○	○ (45/54/36LRTA)
	Auto-changeover	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Up/down swing flaps	●	●	●	●	●	○	○	○								●		●	
	Double swing automatic																	●		●
	Automatic fan speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Auto restart	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Connectable fresh air duct		○	●	●	●				●	●	●	●	●	●	●			●	●
	Fresh air intake	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○			○	○
	Connectable distributing duct			●	●	●						●	●							
Individual airflow direction control			●	●																
Convenient Function	Auto off timer	●	○	●	○	●	●	○	●	●	●	○	●	○	●	○	○	○	○	○
	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																●			
	Long life filter									○	○	○	○	○	○	○	○	○	○	
Washable panel																				
Installation	Automatic airflow adjustment								●	●						●				
	Drain pump as standard	●	●	●	●	●	●	●	●	●	○	○			○			○	○	
	Blue fin			○ (30/36/45/54)	○ (30/36/45/54)	○ (45/54)				○ (30/36/45/54)	○ (30/36/45/54)	○ (45)	○ (45)	○	○			○ (30/36/45/54)	○ (45)	

○: Optional function