

Light Commercial & Residential

SPLIT

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Refrigerant type R32 models

Wall Mounted

- 056 Flagship Range Series
- 058 Designer Range Series – High Spec & Design
- 060 Standard Range Series – High Efficiency & Comfort
- 062 **New** Standard Range Series – High Efficiency & Large Room
- 064 **New** ECO Range Series – Compact & Comfort
- 066 ECO Range Series – Comfort for Large Room

Cassette

- 080 **New** Compact Cassette – 4-way Flow Series
- 084 **New** Circular Flow Series – Comfort for Large Room

Duct

- 092 **New** Slim Duct – Slim & Comfort
- 096 **New** Medium Static Pressure Duct – Compact & Comfort
- 100 **New** Medium Static Pressure Duct – Standard
- 104 **New** High Static Pressure Duct



Refrigerant type R410A models

Wall Mounted

- 068 Designer Range Series – High Spec & Design
- 070 Designer Range Series – High COP
- 072 Standard Range Series – High Efficiency & Comfort
- 074 Standard Range Series – Comfort for Large Room
- 078 ECO Range Series – Compact & Comfort

Cassette

- 082 Compact Cassette – 4-way Flow Series
- 086 Circular Flow Series – Comfort for Large Room
- 088 4-way Flow Series – Comfort for Large Room

Duct

- 090 Mini Duct – Built-in Drain Pump
- 094 Slim Duct – Slim & Comfort
- 098 Medium Static Pressure Duct – Compact & Comfort
- 102 Medium Static Pressure Duct – Standard
- 106 High Static Pressure Duct
- 108 Big Duct

Floor/Ceiling

- 110 Floor
- 112 Floor/Ceiling
- 114 Ceiling

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

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



Split Overview

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



R32
KX
Series



R32



R32

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.



R410A

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.



R410A

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.



R410A

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.



R32
KX
Series

WORLD'S FIRST
DUAL BLASTER
nocriaTMX

Wall Mounted

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

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



R32
KG
Series



R32
KM
Series



R32
KP
Series



R32

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.

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



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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 Range Series High Spec & Design				ASYG09LTCA	ASYG12LTCA											
	Designer Range Series High COP			ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA										
	Standard Range Series High Efficiency & Comfort			ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE										
	Standard Range Series Comfort for Large Room							ASYG18LFCA	ASYG24LFCC	ASYG30LFCA							
										ASYG30LMTA	ASYG36LMTA						
	ECO Range Series Compact & Comfort			ASYG07LLCE	ASYG09LLCE	ASYG12LLCE											
Cassette	Compact 4-way Flow Series Compact & Comfort					AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLA								
	Circular Flow Series Comfort for Large Room		 18/24 30/36/45/54				AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB					
	4-way Flow Series Comfort for Large Room								AUYG30LRLE	AUYG36LRLE AUYG36LRLA	AUYG45LRLA	AUYG54LRLA					
Duct	Mini Duct		 12/14 18			ARYG12LSLAP*	ARYG14LSLAP*	ARYG18LSLAP*									
	Slim Duct		 12/14 18			ARYG12LLTB	ARYG14LLTB	ARYG18LLTB									
	Medium Static Pressure Duct Compact & Comfort		 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					AGYG09LVCA	AGYG12LVCA	AGYG14LVCA										
Floor/Ceiling Comfort & Dual Design								ABYG18LVTB	ABYG24LVTA								
Ceiling Comfort for Large Room										ABYG30LRTE	ABYG36LRTE ABYG36LRTA	ABYG45LRTA	ABYG54LRTA				

Feature

High Efficiency

Optimized Inverter Control



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

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

All DC Inverter Technology



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

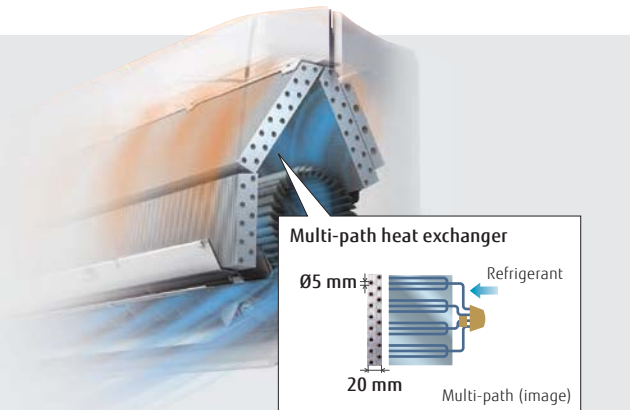
DC fan motor
DC fan motor produces high power, wide operation range, and high efficiency.

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

Heat Exchanger for Wall Mounted

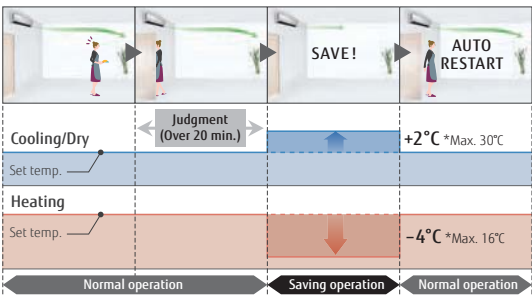
High density multi-path heat exchanger
Heat exchange performance is substantially improved by thin and high-density heat exchanger and multi-path efficiency technology.

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

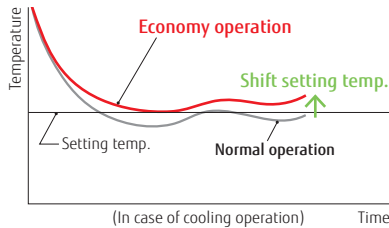


High Energy Saving

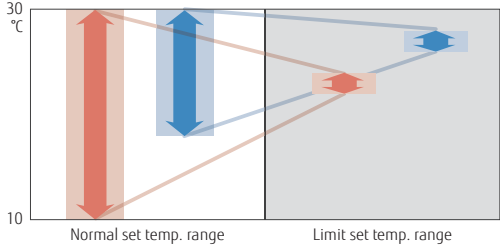
Human sensor control
Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



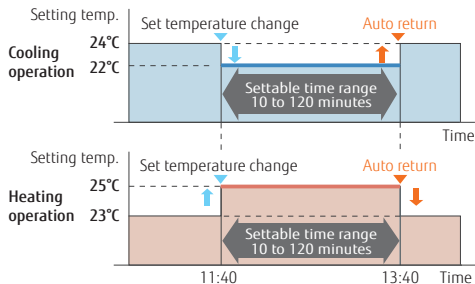
Economy operation
Limits the maximum operation current, and the power consumption is cut down and the maximum load is suppressed.



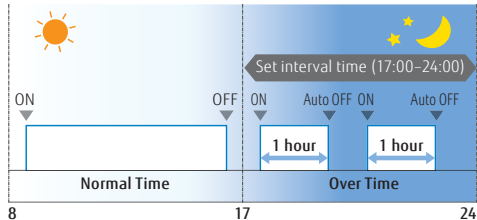
Room temperature set point limitation
The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



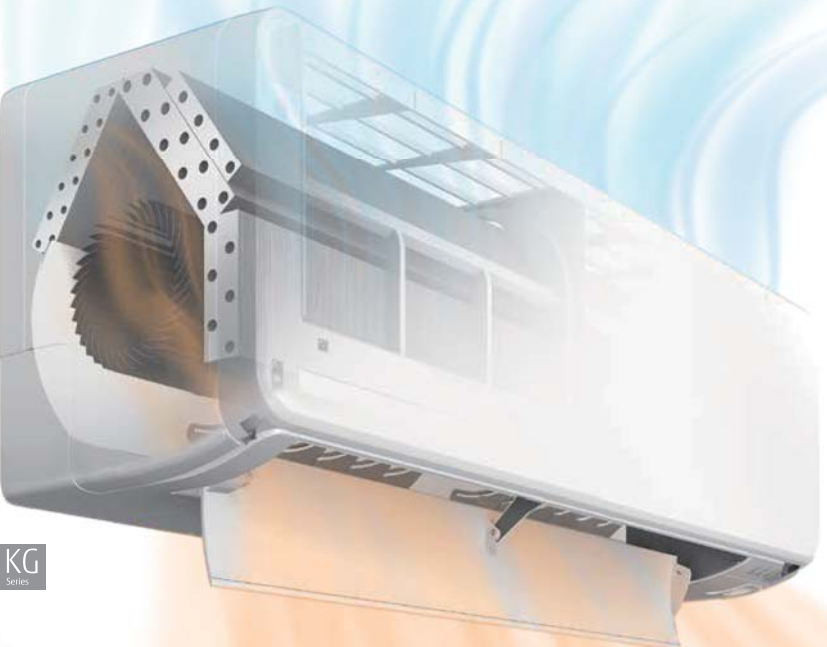
Set temperature auto return
• The setting temperature automatically returns to the previous setting temperature.
• The time range in which the set temperature can be changed is 10 to 120 minutes.



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



More Comfort



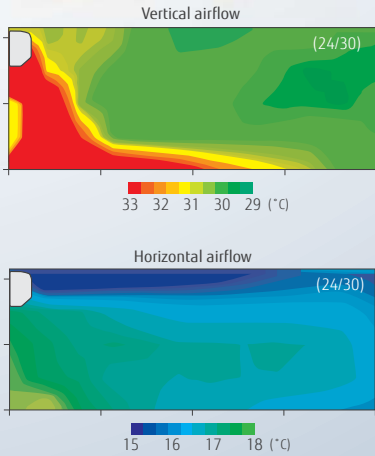
Powerful heating

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



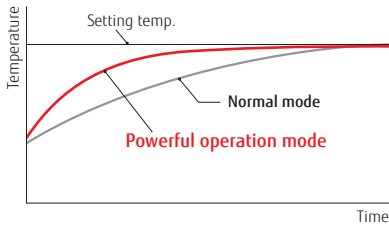
Power diffuser

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



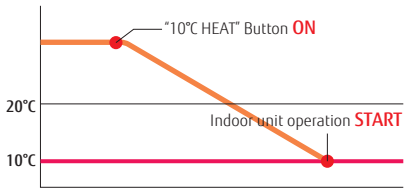
Powerful operation

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



10°C Heat operation

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



Uniform air conditioning

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



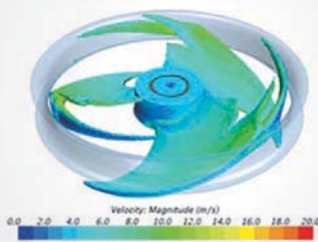
Quiet and Comfort Control

Low Noise Technology



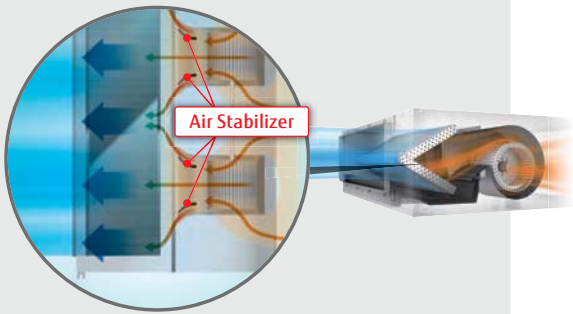
Outdoor unit fan

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



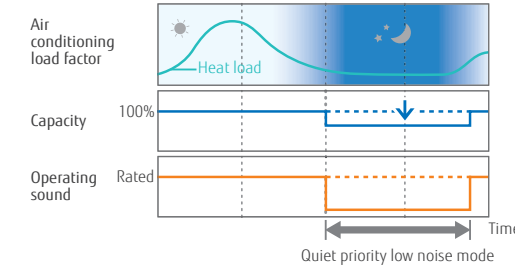
Air stabilizer in Duct

Low noise duct structure with a built-in air stabilizer



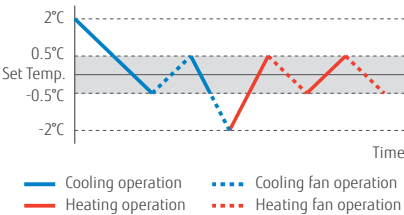
Outdoor unit low noise operation

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



Auto-changeover function

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



Fresh air intake for Cassette, Duct, Ceiling

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



Fresh Air Intake kit

Feature Explanation

Energy Saving Function

- Dual side fans**
The comfortable space can be created with Hybrid Airflow, which combines different temperatures of air current and velocities.
- 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-timer 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.
- 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**
- ALL DC**
All DC models
- i-PAM**
I-PAM control models
I-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform.
- V-PAM**
V-PAM control models
V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology.

Wall Mounted
Flagship Range

nocria™X



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



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



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

Filter Auto Clean



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



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

Plasma Air Clean

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



Human Sensor

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



Rank A+++ SEER 8.5 SCOP 5.1

Model: ASYG12KXCA

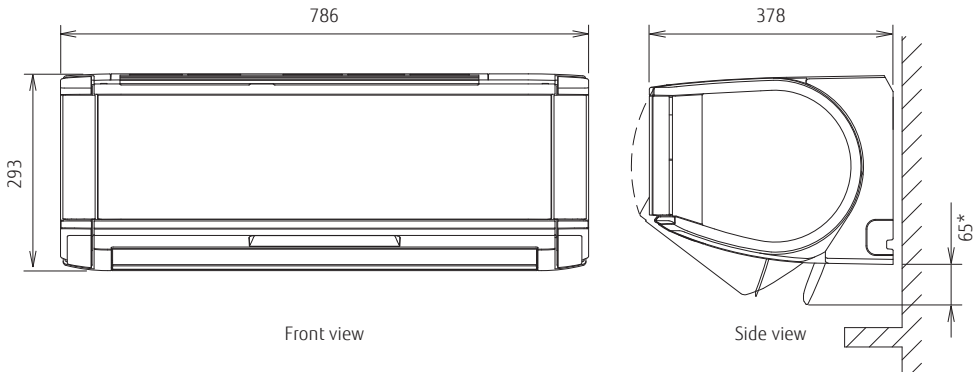


Specifications

Model No.	Indoor unit		ASYG12KXCA
	Outdoor unit		A0YG12KXCA
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		0.670/1.020
EER	Cooling	W/W	5.09
COP	Heating		4.90
Pdesign	Cooling/Heating(-10°C)		3.4/3.5
SEER	Cooling		8.50
SCOP	Heating (Average)		5.10
Energy Efficiency Class	Cooling		A+++
	Heating (Average)		A+++
Max. Operating Current	Cooling/Heating		9.0/16.0
Annual Energy Consumption	Cooling	kWh/a	140
	Heating		961
Moisture Removal			l/h
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	46/42/38/28
	Indoor (Heating)	H/M/L/Q	48/43/39/30
Sound Power Level	Outdoor(Cooling/Heating)	High	44/43
	Indoor(Cooling/Heating)	High	58/62
	Outdoor(Cooling/Heating)	High	57/57
	Indoor / Outdoor (Cooling)	High	670/2,230
Airflow Rate	Indoor / Outdoor (Heating)		810/1,975
Net Dimensions H x W x D	Indoor	mm	293×786×378
	Outdoor	mm	704×820×315
Weight	Indoor	kg(lbs)	20 (44)
	Outdoor	kg(lbs)	41 (90)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52
Drain hose Diameter (I.D./O.D.)			13.8 / 15.8 to 16.7
Max Pipe Length (Pre-Charge)			15 (15)
Max Height Difference			10
Operation Range	Cooling	°CDB	-10 to 43
	Heating		-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)
	Charge	kg(CO2eq-T)	1.30 (0.9)

Dimensions

(Unit : mm)



*Dimensions in case of air flowing downward

Wall Mounted
Designer Range
High Spec & Design



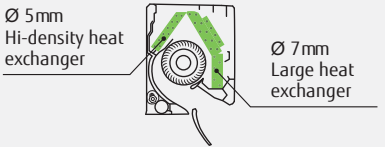
High energy saving

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



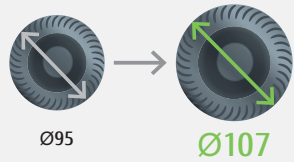
Hybrid-heat exchanger

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



Ø107 Large cross-flow fan

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



Human sensor

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



Comfortable airflow & Silent operation

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



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

Smart device Control (option)

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



Wireless LAN Interface

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

Model: ASYG07KGTB / ASYG09KGTB / ASYG12KGTB / ASYG14KGTB



Wireless R.C.



Specifications

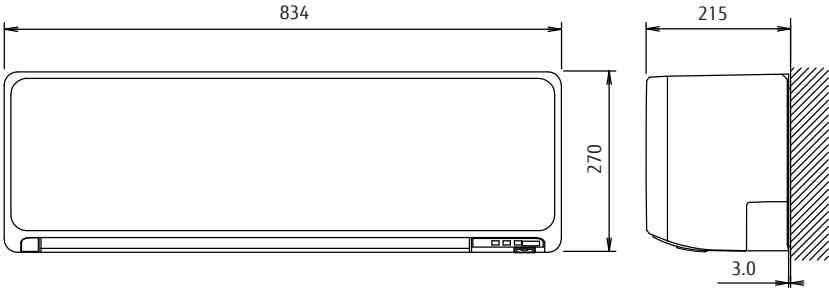
Model No.	Indoor unit		ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB
	Outdoor unit		AOYG07KGCA	AOYG09KGCA	AOYG12KGCA	AOYG14KGCA
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.0	2.5	3.4	4.2
	Heating	kW	2.5	2.8	4.0	5.4
Input Power	Cooling/Heating		0.400/0.500	0.555/0.560	0.805/0.910	1.175/1.350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

Optional parts

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

Dimensions

(Unit : mm)



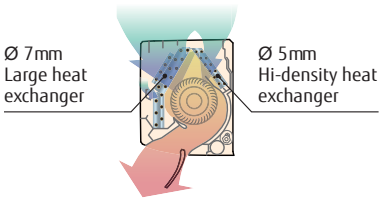
Wall Mounted
Standard Range
High Efficiency & Comfort



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.



SEER

7.4

*1: 07/09 models

SCOP

4.4

*2: 12 model

Comfortable airflow & Silent operation

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



20dB(A)
Cooling only

Smart device Control (option)

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



Wireless LAN Interface

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

Model: ASYG07KMTB / ASYG09KMTB / ASYG12KMTB / ASYG14KMTB



Wireless R.C.



For ASYG07/09/12KMTB



For ASYG14KMTB

Specifications

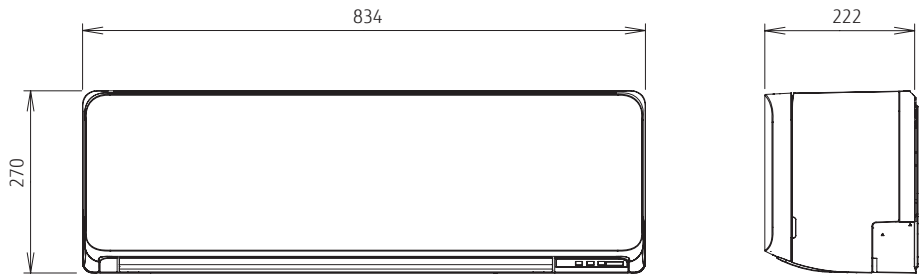
Model No.	Indoor unit		ASYG07KMTB	ASYG09KMTB	ASYG12KMTB	ASYG14KMTB
	Outdoor unit		AOYG07KMTA	AOYG09KMTA	AOYG12KMTA	AOYG14KMTA
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)
	Heating	kW	2.5 (0.9-3.4)	2.8 (0.9-4.0)	4.0 (0.9-5.3)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
EER	Cooling	W/W	4.43	3.97	3.65	3.44
	Heating	W/W	4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating(-10°C)		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
SCOP	Heating (Average)		4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		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	kWh/a	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
	Outdoor(Cooling/Heating)	High	61/61	61/62	65/65	65/66
	Indoor / Outdoor (Cooling)	High	650/1,650	700/1,650	700/1,700	770/1,680
Airflow Rate	Indoor / Outdoor (Heating)	High	720/1,450	750/1,450	770/1,470	800/1,580
	Indoor / Outdoor (Cooling)	High	720/1,450	750/1,450	770/1,470	800/1,580
Net Dimensions H x W x D	Indoor	mm	270×834×222	270×834×222	270×834×222	270×834×222
	Outdoor	mm	541×663×290	541×663×290	541×663×290	542×799×290
Weight	Indoor	kg (lbs)	10 (22)	10 (22)	10 (22)	10 (22)
	Outdoor	kg (lbs)	23 (51)	23 (51)	25 (55)	31 (68)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15	15
	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Operation Range	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)	0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

Optional parts

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

Dimensions

(Unit : mm)





NEW

Wall Mounted
Standard Range
High Efficiency & Large Room



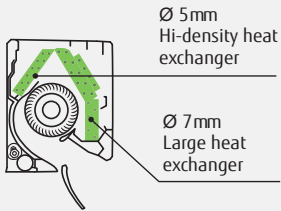
High energy saving

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



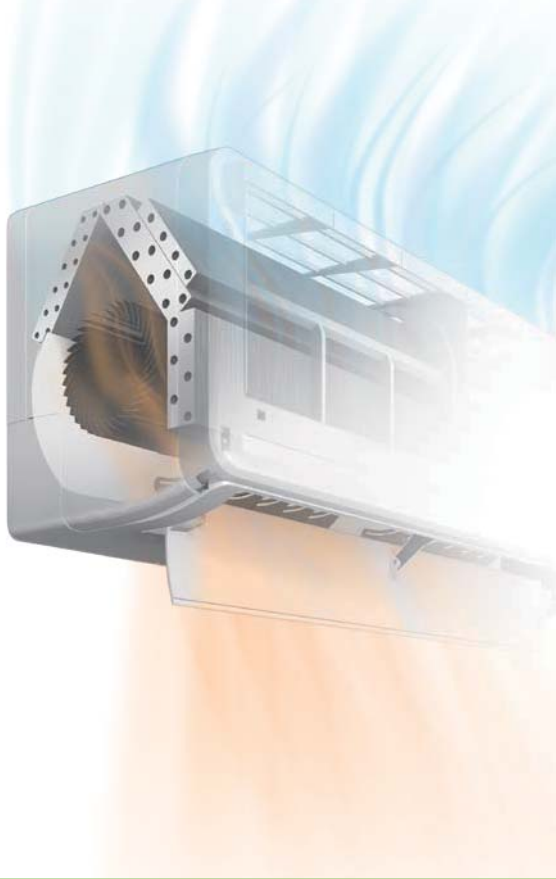
Hybrid-heat exchanger

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



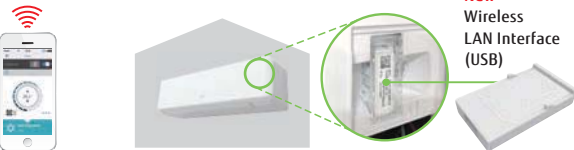
Ø107 Large cross-flow fan

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

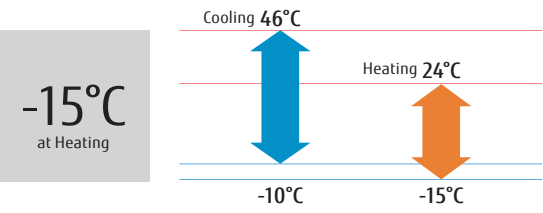


Smart device Control (Option)

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

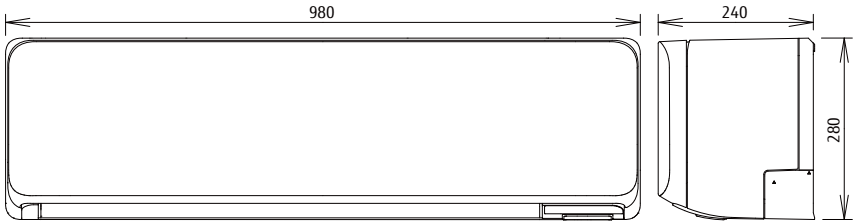
Model No.	Indoor unit		ASYG18KMTA		ASYG24KMTA	
	Outdoor unit		AOYG18KMTA		AOYG24KMTA	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	5.2(0.9-6.0)		7.1(0.9-8.3)	
	Heating		6.3(0.9-8.7)		8.0(0.9-10.1)	
Input Power	Cooling/Heating	kW	1.39/1.56		2.08/1.91	
EER	Cooling	W/W	3.74		3.41	
COP	Heating		4.04		4.19	
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.8		7.1/7.1	
SEER	Cooling	W/W	7.77		7.28	
SCOP	Heating (Average)		4.56		4.18	
Energy Efficiency Class	Cooling	A++		A++		
	Heating (Average)	A+		A+		
Max. Operating Current	Cooling/Heating	A	9.5/13.5		13.5/16.0	
Annual Energy Consumption	Cooling	kWh/a	234		341	
	Heating		1,472		2,372	
Moisture Removal			I/h	1.7		2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/40/35/29		49/40/35/29
	Indoor (Heating)	H/M/L/Q		46/40/35/29		49/40/35/29
Sound Power Level	Outdoor(Cooling/Heating)	High		50/50		54/52
	Indoor(Cooling/Heating)	High		60/61		65/65
	Outdoor(Cooling/Heating)	High		65/65		67/66
	Indoor / Outdoor (Cooling)	High		980/2,350		1,170/3,240
Airflow Rate	Indoor / Outdoor (Heating)	High	m³/h	1,020/2,100		1,170/2,820
Net Dimensions H x W x D	Indoor	mm	280 × 980 × 240		280 × 980 × 240	
	Outdoor	mm	632 × 799 × 290		716 × 820 × 315	
Weight	Indoor	kg(lbs)	12.5		12.5	
	Outdoor	kg(lbs)	36(79)		42(93)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 / 12.70		6.35 / 12.70	
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7		13.8/15.8 to 16.7	
Max Pipe Length (Pre-Charge)		m	25(15)		30(15)	
Max Height Difference			20		25	
Operation Range	Cooling	°CDB	-10 to 46		-10 to 46	
	Heating		-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)		R32 (675)		R32 (675)	
	Charge	kg(CO2eq-T)	1.02(0.689)		1.32(0.891)	

Optional parts

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

Dimensions

(Unit : mm)





NEW

Wall Mounted
ECO Range
Compact & Comfort



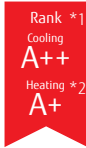
Slim & stylish square design

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.



SEER 6.7^{*1}

SCOP 4.1^{*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.

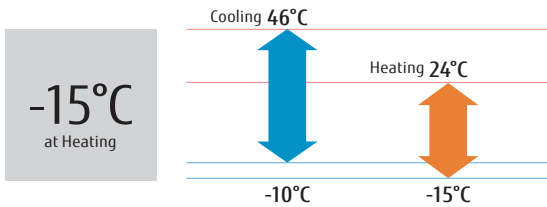


Smart device Control (Option)

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

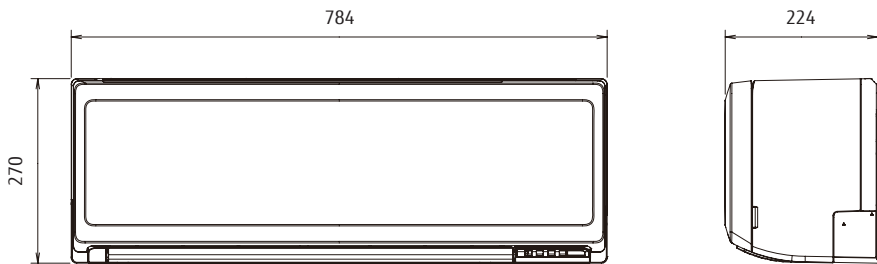
Model No.	Indoor unit		ASYG07KPCA	ASYG09KPCA	ASYG12KPCA
	Outdoor unit		AOYG07KPCA	AOYG09KPCA	AOYG12KPCA
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	2.0 (0.9-2.8)	2.5 (0.9-3.0)	3.4 (0.9-3.7)
	Heating		2.5 (0.9-3.4)	2.8 (0.9-3.8)	3.8 (0.9-4.8)
Input Power	Cooling/Heating	kW	0.48/0.63	0.71/0.79	1.00/1.14
EER	Cooling	W/W	4.17	3.52	3.40
COP	Heating		3.97	3.54	3.33
Pdesign	Cooling/Heating(-10°C)	kW	2.0/2.2	2.5/2.4	3.4/2.5
SEER	Cooling	W/W	6.70	6.70	6.30
SCOP	Heating (Average)		4.00	4.00	4.10
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling	kWh/a	104	131	189
	Heating		769	840	853
Moisture Removal		l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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
Sound Power Level	Outdoor(Cooling/Heating)	High	45/46	47/47	49/51
	Indoor(Cooling/Heating)	High	57/58	58/58	59/59
Airflow Rate	Outdoor(Cooling/Heating)	High	57/58	59/59	62/62
	Indoor / Outdoor (Cooling)	High	580/1,650	580/1,650	630/1,700
	Indoor / Outdoor (Heating)	High	580/1,450	580/1,450	630/1,470
Net Dimensions H x W x D	Indoor	mm	270x784x224	270x784x224	270x784x224
	Outdoor	mm	541x663x290	541x663x290	541x663x290
Weight	Indoor	kg(lbs)	8(18)	8(18)	8(18)
	Outdoor	kg(lbs)	23 (51)	23 (51)	25 (55)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)			11.8/15.8 to 16.8	11.8/15.8 to 16.8	11.8/15.8 to 16.8
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)
	Charge	kg(CO2eq-T)	0.55 (0.371)	0.55 (0.371)	0.59 (0.398)

Optional parts

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

Dimensions

(Unit : mm)





Wall Mounted
ECO Range
Comfort for Large Room



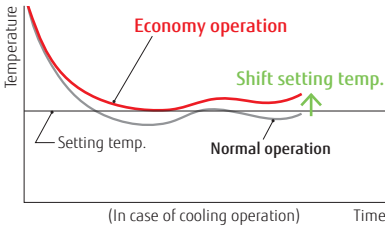
Narrow width & Compact Design

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.



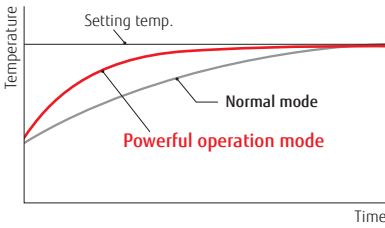
Economy operation

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



Powerful operation

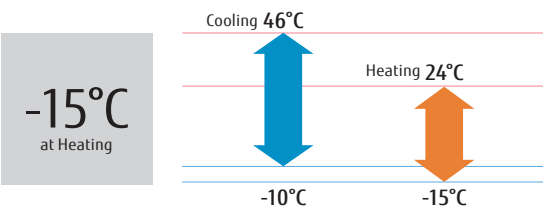
20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



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



Model: ASYG18KLCA / ASYG24KLCA



Wireless R.C.



For ASYG18KLCA



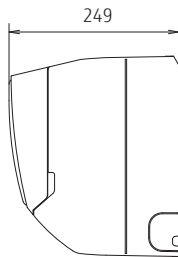
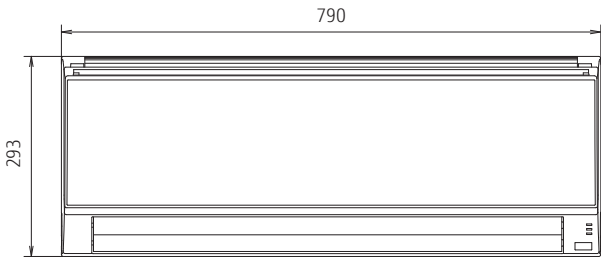
For ASYG24KLCA

Specifications

Model No.	Indoor unit		ASYG18KLCA		ASYG24KLCA	
	Outdoor unit		AOYG18KLTA		AOYG24KLTA	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	5.2(0.9~5.5)		7.1(0.9~7.7)	
	Heating		6.3(0.6~7.6)		8.0(0.9~9.0)	
Input Power	Cooling/Heating	kW	1.685/1.80		2.42/2.225	
EER	Cooling	W/W	3.09		2.93	
COP	Heating		3.50		3.60	
Pdesign	Cooling/Heating(-10°C)	kW	5.20/4.80		7.10/7.10	
SEER	Cooling	W/W	7.20		7.10	
SCOP	Heating (Average)		4.30		4.00	
Energy Efficiency Class	Cooling	A++		A++		
	Heating (Average)	A+		A+		
Max. Operating Current	Cooling/Heating	A	9.5/13.5		13.5/17.5	
Annual Energy Consumption	Cooling	kWh/a	253		350	
	Heating		1563		2485	
Moisture Removal			l/h	1.9		3.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	47/44/40/35		51/45/38/33
	Indoor (Heating)	H/M/L/Q		50/45/41/37		52/45/41/37
Sound Power Level	Outdoor(Cooling/Heating)	High		50/56		55/57
	Indoor(Cooling/Heating)	High		60/65		64/65
	Outdoor(Cooling/Heating)	High		61/66		65/67
	Indoor / Outdoor (Cooling)	High		865/1,830		1,040/2,885
Airflow Rate	Indoor / Outdoor (Heating)	High	m³/h	995/2,265		1,040/3,030
	Indoor	mm	293×790×249		293×790×249	
Net Dimensions H x W x D	Outdoor	mm	542×799×290		632×799×290	
	Indoor	kg(lbs)	9.5 (21)		10.0 (22)	
Weight	Outdoor	kg(lbs)	33 (73)		38 (84)	
			mm	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.)			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)	kg(CO2eq-T)	0.85(0.574)		1.10(0.743)	
	Charge					

Dimensions

(Unit : mm)



Wall Mounted
Designer Range
High Spec & Design

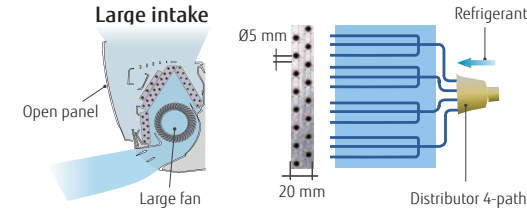


Thin & Slim design

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

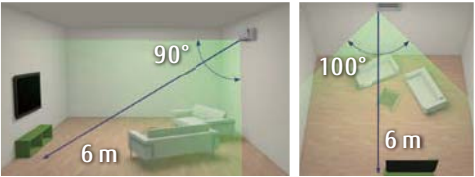


Big open panel and High density multi path heat exchanger



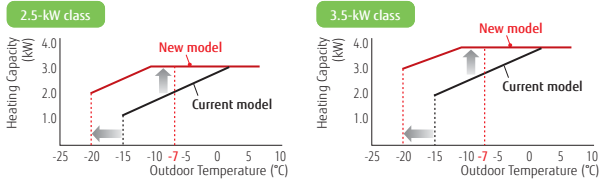
Human sensor

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.

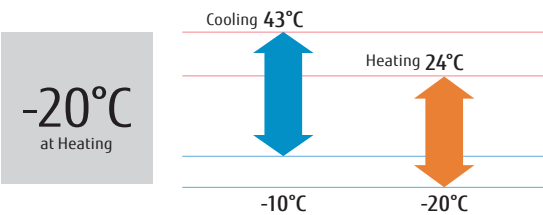


3 Mode timer
(Weekly/Program/Sleep)

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



Model: ASYG09LTCA / ASYG12LTCA



Specifications

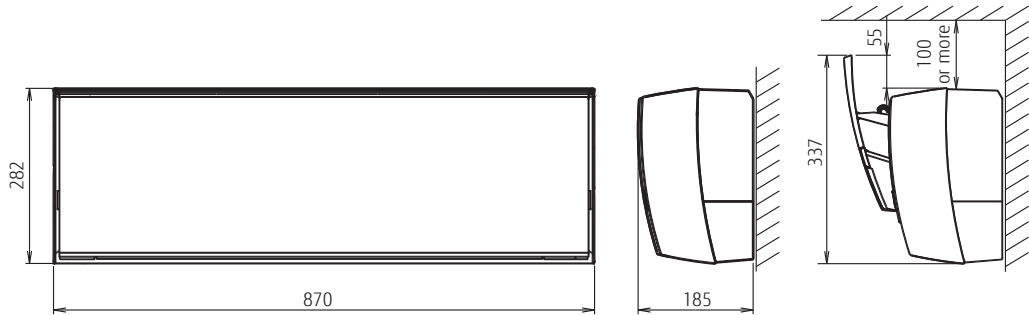
Model No.	Indoor unit		ASYG09LTCA		ASYG12LTCA	
	Outdoor unit		AOYG09LTC		AOYG12LTC	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.5 (0.9-3.5)		3.5 (1.1-4.0)	
	Heating		3.2 (0.9-5.4)		4.0 (0.9-6.5)	
Input Power	Cooling/Heating	kW	0.505/0.660		0.850/0.910	
EER	Cooling	W/W	4.95		4.12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

Optional parts

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

Dimensions

(Unit : mm)



Wall Mounted
Designer Range
High COP

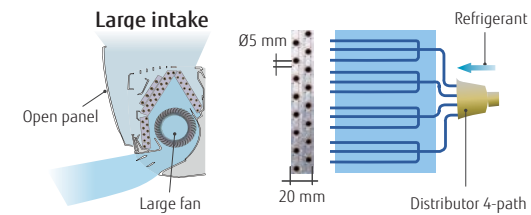


Thin & Slim design

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

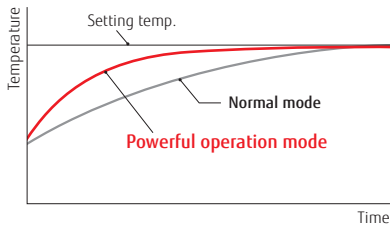


Big open panel and High density multi path heat exchanger



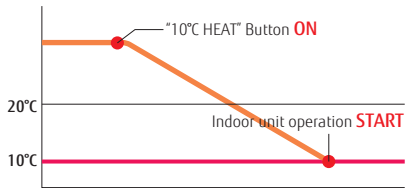
Powerful operation

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.

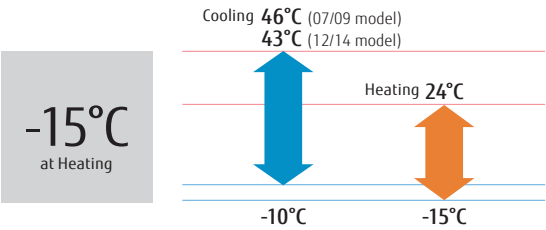


3 Mode timer
(Weekly/Program/Sleep)

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



Model: ASYG07LUCA / ASYG09LUCA / ASYG12LUCA / ASYG14LUCA



For ASYG07/09LUCA



For ASYG12/14LUCA

Specifications

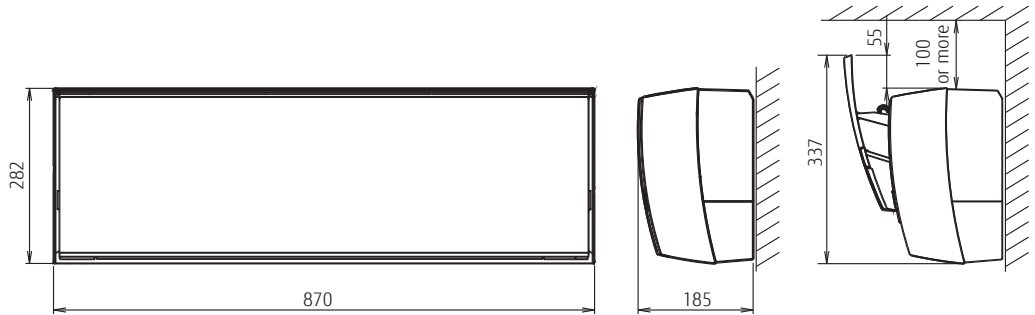
Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
	Outdoor unit		AOYG07LUCB	AOYG09LUCB	AOYG12LUC	AOYG14LUC
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating	kW	3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)
Input Power	Cooling/Heating	kW	0.460/0.740	0.555/0.680	0.905/0.930	1.235/1.380
EER	Cooling	W/W	4.35	4.50	3.87	3.40
COP	Heating	W/W	4.05	4.71	4.30	3.91
Pdesign	Cooling/Heating(-10°C)	kW	2.0/2.6	2.5/2.8	3.5/3.9	4.2/4.8
SEER	Cooling	W/W	7.20	7.10	7.05	6.78
SCOP	Heating (Average)	W/W	4.02	4.10	4.00	4.00
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling	kWh/a	97	123	174	217
	Heating	kWh/a	887	956	1363	1677
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
	Indoor (Heating)	H/M/L/Q	38/35/31/21	42/37/32/21	43/38/32/21	45/40/34/27
Sound Power Level	Outdoor(Cooling/Heating)	High	46/46	48/48	50/50	50/50
	Indoor(Cooling/Heating)	High	57/59	59/61	60/62	60/64
	Outdoor(Cooling/Heating)	High	58/58	60/60	65/65	65/65
	Indoor / Outdoor (Cooling)	High	680/1,720	800/1,720	850/1,940	900/1,940
Airflow Rate	Indoor / Outdoor (Heating)	High	710/1,510	800/1,510	850/1,700	950/1,700
Net Dimensions H x W x D	Indoor	mm	282×870×185	282×870×185	282×870×185	282×870×185
	Outdoor	mm	540×660×290	540×660×290	540×790×290	540×790×290
Weight	Indoor	kg(lbs)	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
	Outdoor	kg(lbs)	23 (51)	25 (55)	33 (73)	34 (75)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Drain hose Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference		m	15	15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 43	-10 to 43
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	0.70 (1.5)	0.85 (1.8)	1.05 (2.2)	1.05 (2.2)

Optional parts

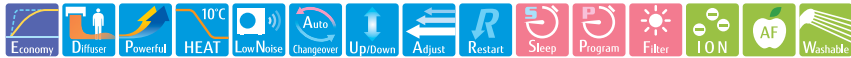
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
Communication kit: UTY-TWBXF
Wireless LAN Interface: UTY-TFNXZ1
External Connect Kit: UTY-XWZXZ5

Dimensions

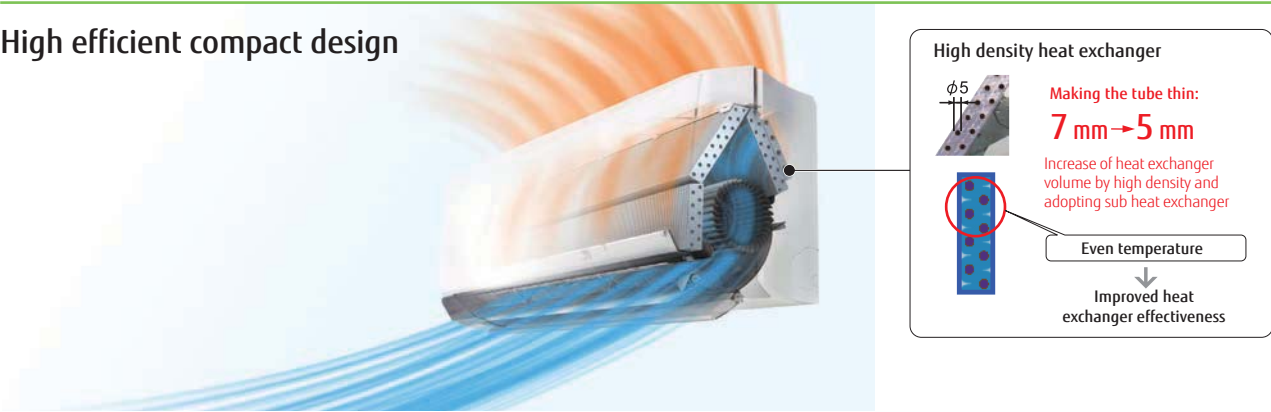
(Unit : mm)



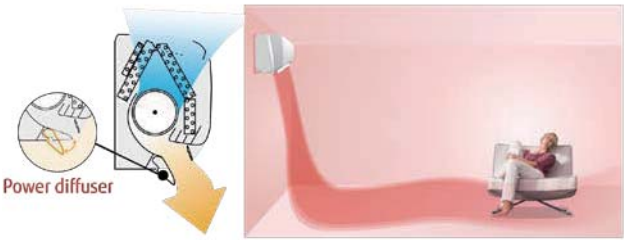
Wall Mounted
Standard Range
High Efficiency & Comfort



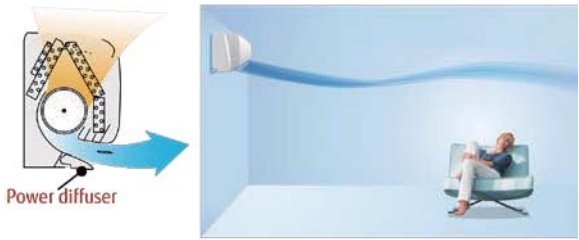
High efficient compact design



More comfort airflow



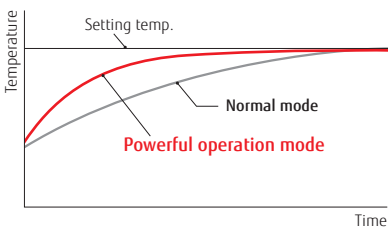
Vertical airflow provides powerful floor level heating



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

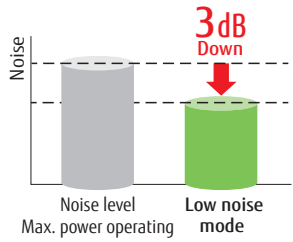
Powerful operation

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



Low noise mode for outdoor unit

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



Model: ASYG07LMCE / ASYG09LMCE / ASYG12LMCE / ASYG14LMCE



For ASYG07/09/12LMCE



For ASYG14LMCE

Specifications

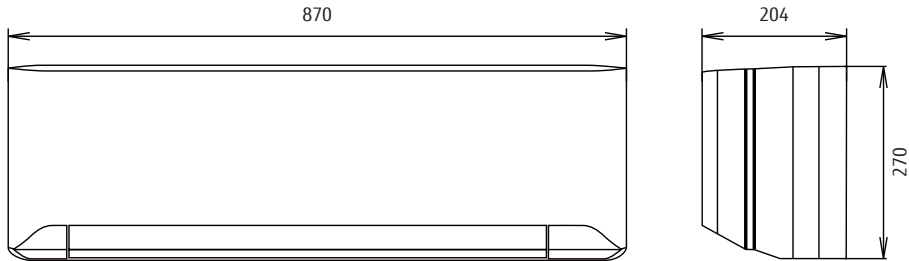
Model No.	Indoor unit		ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
	Outdoor unit		AOYG07LMCE	AOYG09LMCE	AOYG12LMCE	AOYG14LMCE
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.0(0.5-3.0)	2.5(0.5-3.2)	3.4(0.9-3.9)	4.0(0.9-4.4)
	Heating	kW	3.0(0.5-3.4)	3.2(0.5-4.0)	4.0(0.9-5.3)	5.0(0.9-6.0)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

Optional parts

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

Dimensions

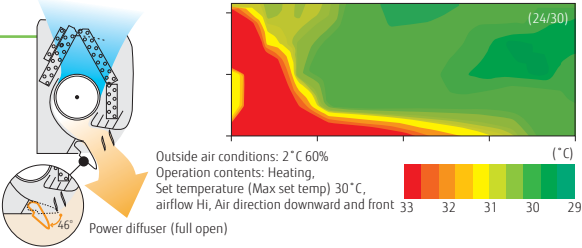
(Unit : mm)



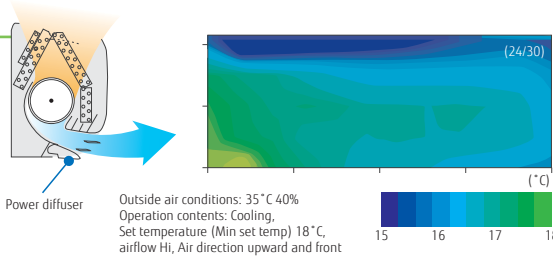
Wall Mounted
Standard Range
Comfort for Large Room



"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



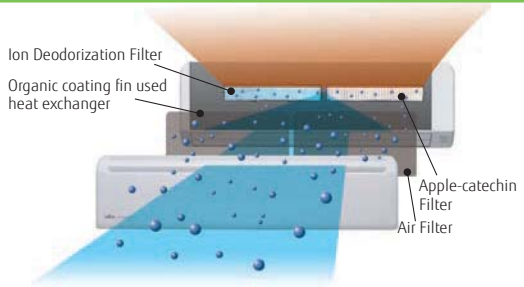
Ion Deodorization Filter

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

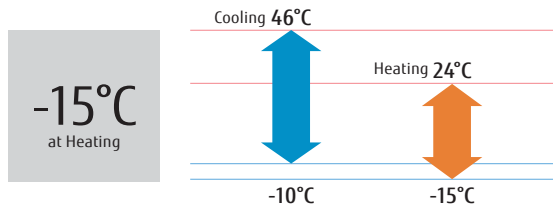
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.



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



Wireless R.C.



For ASYG18LFCA, ASYG24LFCC



For ASYG30LFCA

Specifications

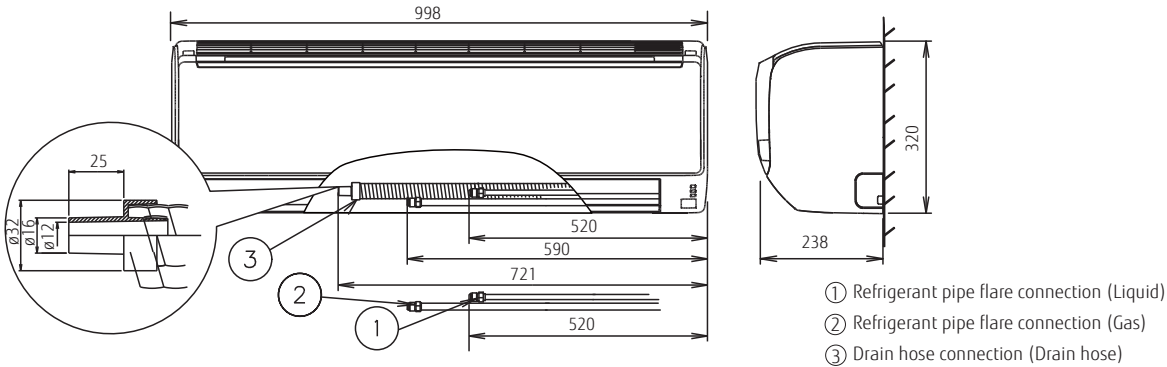
Model No.	Indoor unit		ASYG18LFCA	ASYG24LFCC	ASYG30LFCA
	Outdoor unit		AOYG18LFC	AOYG24LFCC	AOYG30LFT
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	5.2 (0.9-6.0)	7.1 (0.9-8.0)	8.0 (2.9-9.0)
	Heating		6.3 (0.9-9.1)	8.0 (0.9-10.6)	8.8 (2.2-11.0)
Input Power	Cooling/Heating	kW	1.52/1.71	2.20/2.21	2.49/2.44
EER	Cooling	W/W	3.42	3.23	3.21
COP	Heating	W/W	3.68	3.61	3.61
Pdesign	Cooling/Heating(-10°C)	kW	5.2/5.9	7.1/7.1	8.0/8.0
SEER	Cooling	W/W	6.94	6.11	5.69
SCOP	Heating (Average)		3.87	3.80	3.80
Energy Efficiency Class	Cooling		A++	A++	A+
	Heating (Average)		A	A	A
Max. Operating Current	Cooling/Heating	A	9.0/12.5	13.5/18.5	17.0/19.0
Annual Energy Consumption	Cooling	kWh/a	262	406	492
	Heating		2,130	2,610	2,941
Moisture Removal		l/h	2.6	2.7	3.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/37/33/26	49/42/37/32	48/42/37/33
	Indoor (Heating)	H/M/L/Q	42/37/33/25	48/42/37/32	49/42/37/33
	Outdoor(Cooling/Heating)	High	50/51	55/56	53/56
	Indoor(Cooling/Heating)	High	58/58	64/64	64/64
Sound Power Level	Outdoor(Cooling/Heating)	High	65/-	68/-	68/-
	Indoor / Outdoor (Cooling)	High	900/2,150	1,120/2,460	1,100/3,600
Airflow Rate	Indoor / Outdoor (Heating)	High	900/2,070	1,120/2,340	1,150/3,600
		m³/h			
Net Dimensions H x W x D	Indoor	mm	320×998×238	320×998×238	320×998×238
	Outdoor	mm	620×790×290	620×790×290	830×900×330
Weight	Indoor	kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor	kg(lbs)	41 (90)	41 (90)	61 (135)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.70	6.35/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			12/16	12/16	12/16
Max Pipe Length (Pre-Charge)		m	25 (15)	30 (15)	50 (20)
Max Height Difference			20	20	30
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.20 (2.5)	1.80 (3.8)	2.1 (4.4)

Optional parts

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

Dimensions

(Unit : mm)



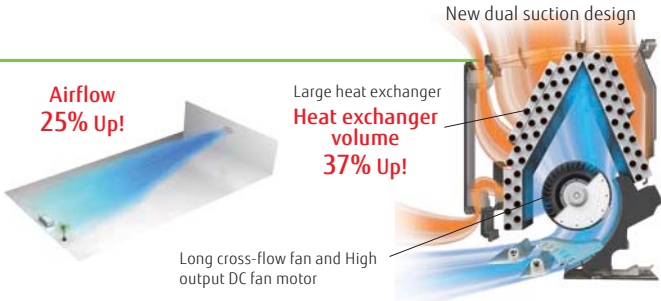
- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain hose connection (Drain hose)

Wall Mounted
Standard Range
Comfort for Large Room



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*

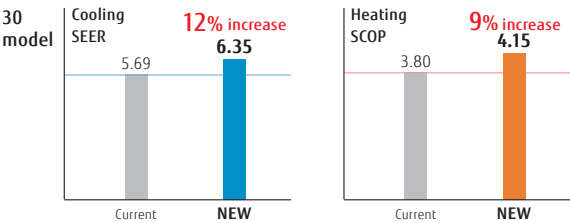
The following interlock operation is possible by connecting 2 indoor units with a cable. Cooling operation can be performed even in the low outdoor temperature and low humidity environment.

- **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

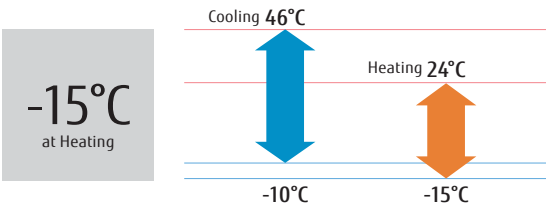
*2 x UTY-XWNX of optional parts are required.



High seasonal energy efficiency



Low ambient operation



Model: ASYG30LMTA / ASYG36LMTA



Specifications

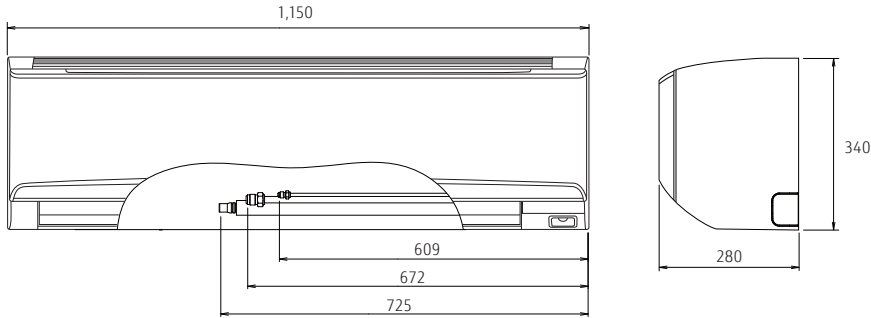
Model No.	Indoor unit		ASYG30LMTA		ASYG36LMTA	
	Outdoor unit		AOYG30LMTA		AOYG36LMTA	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	8.0 (2.9-9.0)		9.4 (2.9-10.0)	
	Heating		8.8 (2.2-11.0)		10.1 (2.7-11.2)	
Input Power	Cooling/Heating	kW	2.33/2.41		3.16/2.96	
EER	Cooling	W/W	3.43		2.97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

Optional parts

- Wired Remote Controller: UTY-RNRYZ3, UTY-RVNYM, UTY-RLRY, UTY-RNNYM
- Simple Remote Controller: UTY-RSRY, UTY-RSNYM, UTY-RSRY
- Communication kit: UTY-TWRX, UTY-XWNX
- External input and output PCB (with box): UTY-XCSXZ2 + UTZ-GXXB
- Wireless LAN Interface: UTY-TFNX21
- External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)

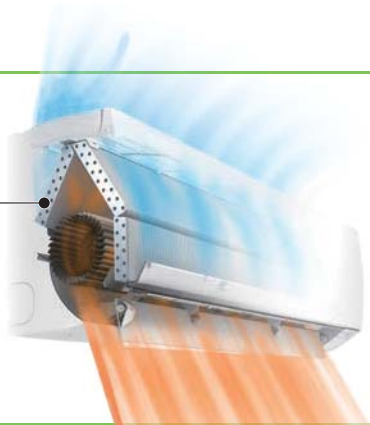
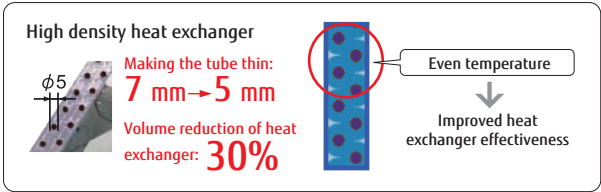




Wall Mounted
ECO Range
Compact & Comfort

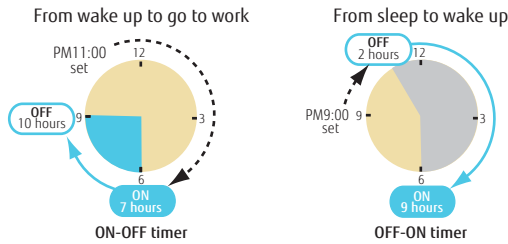


High efficient compact design



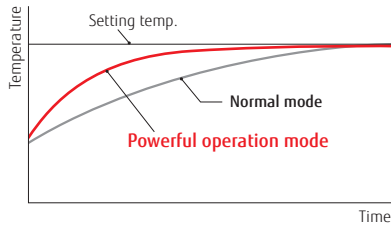
ON-OFF Programmable timer

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)



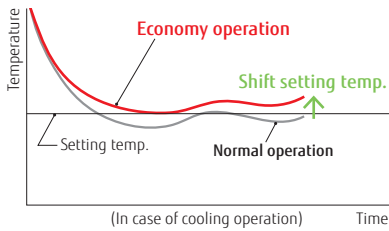
Powerful operation

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

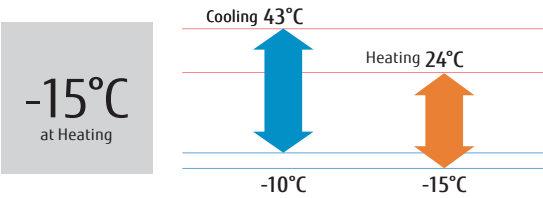


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation



Model: ASYG07LLCE / ASYG09LLCE / ASYG12LLCE



Wireless R.C.



Specifications

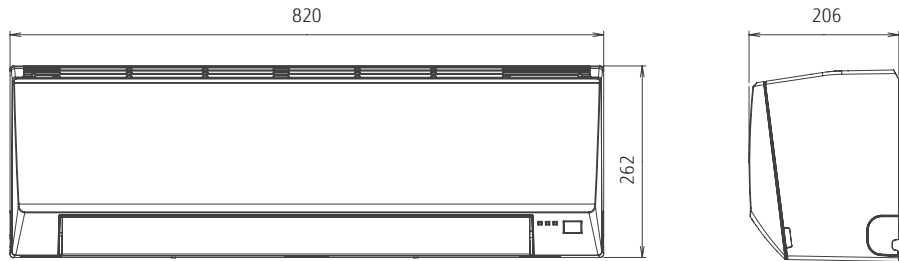
Model No.	Indoor unit		ASYG07LLCE	ASYG09LLCE	ASYG12LLCE
	Outdoor unit		AOYG07LLCE	AOYG09LLCE	AOYG12LLCE
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	2.0(0.9-2.8)	2.5(0.9-3.0)	3.4(0.9-3.8)
	Heating	kW	2.7(0.9-3.6)	3.0(0.9-3.8)	4.0(0.9-5.0)
Input Power	Cooling/Heating		0.470/0.620	0.730/0.740	1.080/1.130
EER	Cooling	W/W	4.26	3.42	3.15
	Heating	W/W	4.35	4.05	3.54
Pdesign	Cooling/Heating(-10°C)		2.0/2.2	2.5/2.3	3.4/3.2
SEER	Cooling	W/W	6.70	6.90	6.60
	Heating (Average)	W/W	4.00	4.00	3.80
SCOP			4.00	4.00	3.80
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A
Max. Operating Current	Cooling/Heating	A	6.0/7.5	6.0/7.5	6.5/9.0
	Cooling	kWh/a	104	127	180
Annual Energy Consumption	Heating	kWh/a	770	805	1,179
	Moisture Removal	l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22
	Indoor (Heating)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22
Sound Power Level	Outdoor(Cooling/Heating)	High	47/48	47/48	50/51
	Indoor(Cooling/Heating)	High	59/60	59/60	59/60
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	6.35/9.52
Drain hose Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	20(15)	20(15)	20(15)
Max Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating	°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)	0.65(1.4)	0.65(1.4)	0.85(1.8)

Optional parts

Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



Compact Cassette
4-way Flow
Compact & Comfort



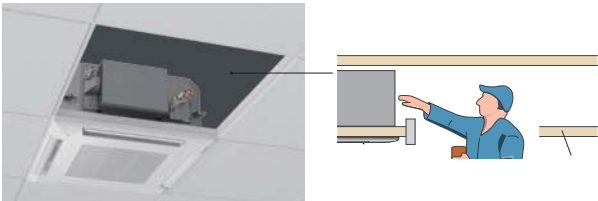
Compact and stylish panel design

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.

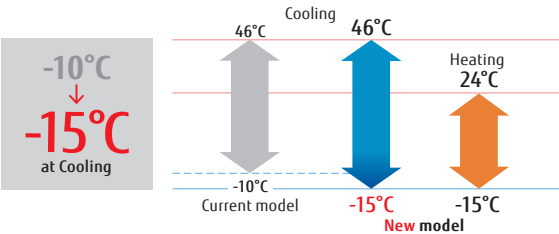


Flexible installation

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

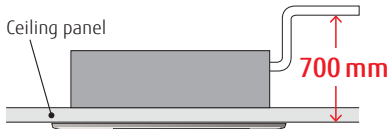


Specifications

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	kWh/a	7.9	9.7	10.2	12.1	12.6	13.6
Annual Energy Consumption	Cooling		131	186	231	275	318	390
Moisture Removal	Heating	l/h	826	1,106	1,208	1,466	1,562	2,097
			0.6	1.2	1.5	2.2	2.6	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/31/29/27	37/34/30/27	38/34/30/27	38/34/30/26	44/42/36/30	49/44/36/30
	Indoor (Heating)	H/M/L/Q	34/32/29/27	37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33	49/45/40/33
Sound Power Level	Outdoor(Cooling/Heating)	High	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	59/61
Airflow Rate	Outdoor(Cooling/Heating)	High	59/59	61/61	62/62	62/62	63/63	65/66
	Indoor / Outdoor (Cooling)	High	540/1,480	600/1,580	680/1,670	680/2,160	830/2,240	930/2,700
Net Dimensions H × W × D	Indoor / Outdoor (Heating)	High	540/1,410	600/1,520	800/1,580	800/1,830	860/1,960	930/2,700
	Indoor	mm	245x570x570	245x570x570	245x570x570	245x570x570	245x570x570	245x570x570
Weight	Outdoor	mm	542x799x290	542x799x290	542x799x290	632x799x290	632x799x290	716x820x315
	Indoor	kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)	16 (35)	16 (35)
Connection Pipe Diameter (Liquid / Gas)	Outdoor	kg(lbs)	32 (71)	33 (73)	33 (73)	36 (79)	38 (84)	42 (93)
	Indoor	mm	6.35/9.53	6.35/9.53	6.35/9.53	6.35/12.70	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)		m	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	20 (15)	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)
Max Height Difference			15	20	20	20	25	25
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg(CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)
Cassette Grille	Model name		UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W
	Dimensions (H × W × D)	mm	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620
	Weight	kg(lbs)	2.3 (5.1)	2.3 (5.1)	2.3 (5.1)	2.3 (5.1)	2.3 (5.1)	2.3 (5.1)

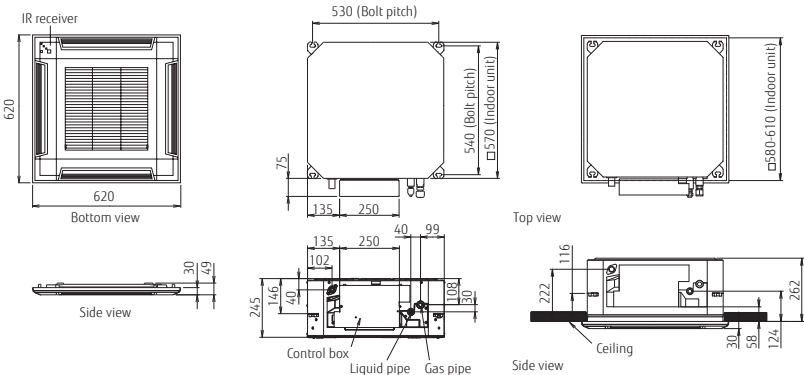
Optional parts

Wireless Remote Controller:	UTY-LNTY	Cassette Grille:	UTG-UFYF-W
Wired Remote Controller:	UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM, UTY-RNNYM	Fresh Air Intake Kit:	UTZ-VXAA
Simple Remote Controller:	UTY-RSRY, UTY-RHRY, UTY-RSNYM	Air Outlet Shutter Plate:	UTR-YDZB
Wireless LAN Interface:	UTY-TFSX21	Insulation for High Humidity:	UTZ-KXGC
		External Input and Output PCB (with box):	UTY-XCSX+UTZ-GXRA
		External Connect Kit:	UTY-XWZXZG



Dimensions

(Unit : mm)



Compact Cassette

4-way Flow

Compact & Comfort



2-stage turbo fan

High efficiency design by 2 stage structure

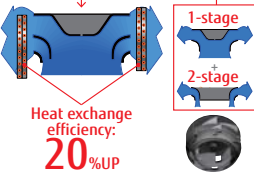
Previous turbo fan

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



2-stage turbo fan

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



Heat exchange efficiency: **20%UP**

Wind velocity

Fast

Slow

Quiet quality

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

Designed by CFD-analysis (fluid) simulations

Laminar wing

Airflow runs through smoothly along the laminar wing

No airflow separation

Quiet

Adoption of laminar wing

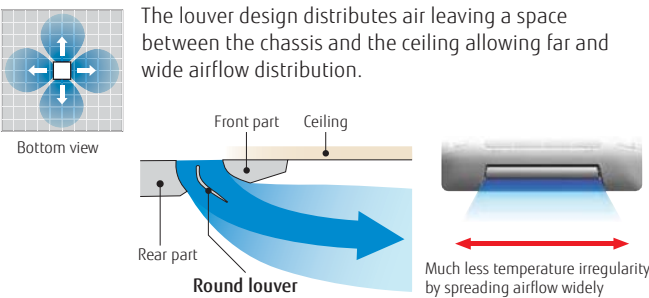
Quiet

Spin direction

Airflow direction

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.



Bottom view

Front part

Ceiling

Rear part

Round louver

Much less temperature irregularity by spreading airflow widely

Low ambient operation

-15°C at Heating

Cooling **46°C**

Heating **24°C**

-10°C

-15°C

Model : AUYG12LVLB / AUYG14LVLB / AUYG18LVLB / AUYG24LVLA



Wireless R.C.



For AUYG12/14LVLB



For AUYG18LVLB



For AUYG24LVLA

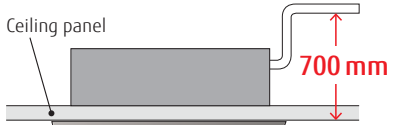
Specifications

Model No.	Indoor unit		AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLA
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LBCB	AOYG24LBCB
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
EER	Cooling	W/W	3.33	3.21	3.21	3.08
COP	Heating		3.69	3.71	3.61	3.54
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
SEER	Cooling	W/W	6.20	6.40	6.20	5.60
SCOP	Heating (Average)		4.10	4.40	4.20	3.90
Energy Efficiency Class	Cooling		A++	A++	A++	A+
	Heating (Average)		A+	A+	A+	A
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	11.5/13.5	14.7/15.7
Annual Energy Consumption	Cooling	kWh/a	198	235	293	425
	Heating		1,431	1,432	1,731	2,151
Moisture Removal		l/h	1.2	1.5	2.2	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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	Outdoor(Cooling/Heating)	High	61/63	62/64	62/65	66/66
	Indoor / Outdoor (Cooling)	High	600/1,780	680/1,910	680/2,380	930/2,850
Net Dimensions H x W x D	Indoor / Outdoor (Heating)	High	600/1,630	800/1,740	800/2,080	930/2,700
	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570
Weight	Outdoor	mm	578×790×300	578×790×300	632×799×290	716×820×315
	Indoor	kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
Connection Pipe Diameter (Liquid / Gas)	Outdoor	kg(lbs)	40 (88)	40 (88)	36 (79)	42 (95)
Drain hose Diameter (I.D./O.D.)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Max Pipe Length (Pre-Charge)			25/32	25/32	25/32	25/32
Max Height Difference		m	25 (15)	25 (15)	25 (15)	30 (15)
Operation Range			15	15	15	20
	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Heating	-15 to 24		-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.20 (2.5)	1.50 (3.1)
Cassette Grille	Model name		UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W
	Dimensions (H × W × D)	mm	49×700×700	49×700×700	49×700×700	49×700×700
	Weight	kg(lbs)	2.6 (6)	2.6 (6)	2.6 (6)	2.6 (6)

Optional parts

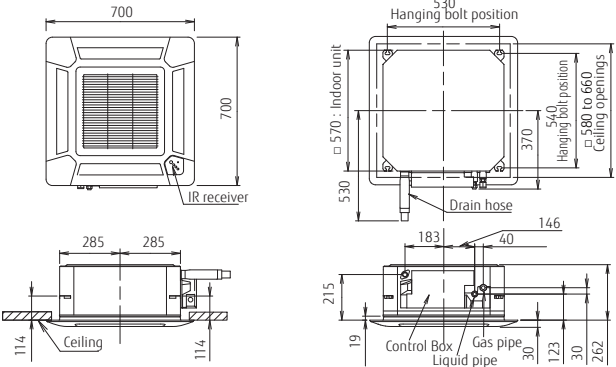
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
Insulation Kit For High Humidity: UTZ-KXGC
Fresh Air Intake Kit: UTZ-VXAA

Air Outlet Shutter Plate: UTR-YDZB
Wireless LAN Interface: UTY-TFNXZ1
External Connect Kit: UTY-XWZX
Cassette Grille: UTG-UFYD-W



Dimensions

(Unit : mm)



Cassette
Circular Flow
Comfort for Large Room



UTG-UKYA-B
Black Color Grille



(30/36/45/54)

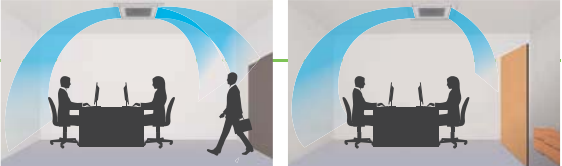
Unique Circular Flow design

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

Individual louver control

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

*Touch Panel Wired RC (UTY-RNRYZ3)only



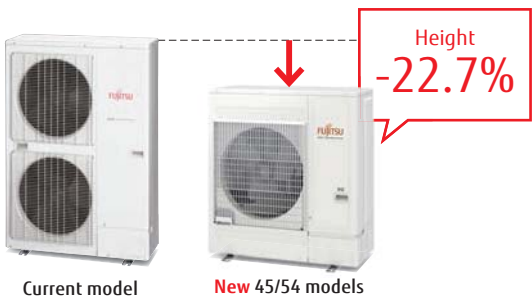
Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.

Efficient air conditioning based on the room layout

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

Compact and lightweight outdoor unit

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



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



Specifications

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

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

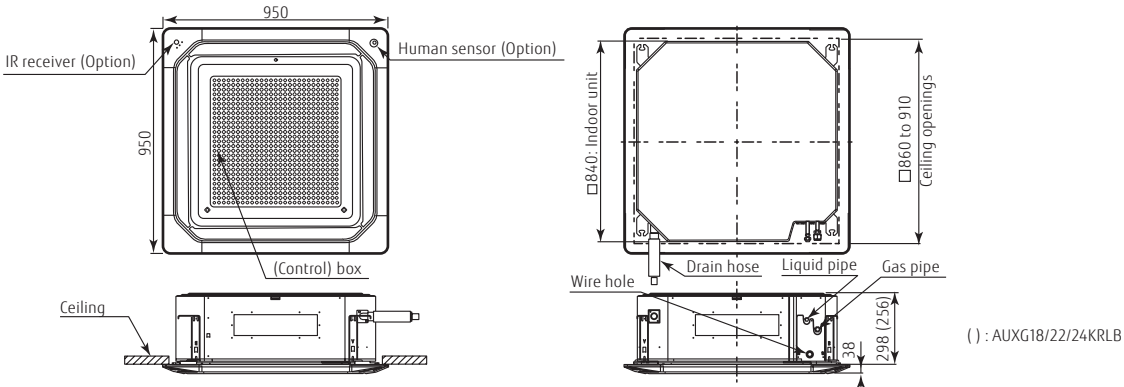
Optional parts

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



Dimensions

(Unit : mm)



() : AUXG18/22/24KRLB

Cassette
Circular Flow
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.



Human sensor (Option)

2 modes can be selected.

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

*Touch Panel Wired RC (UTY-RNRYZ3) only

Various Cassette Grille

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



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



Specifications

Model No.	Indoor unit		AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB
	Outdoor unit		AOYG18LBCA	AOYG24LBCA	AOYG30LBTa	AOYG36LBTa	AOYG45LBTa	AOYG54LBTa
Power Source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)
	Heating		6.0 (0.9-8.0)	7.8 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	14.0 (4.2-16.2)	15.8 (4.7-16.5)
Input Power	Cooling/Heating	kW	1.42/1.50	2.16/2.18	2.56/2.77	2.96/2.91	3.85/3.73	4.38/4.58
EER	Cooling	W/W	3.66	3.15	3.32	3.21	3.25	3.04
COP	Heating		4.00	3.58	3.61	3.71	3.75	3.45
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.3	6.8/6.0	8.5/8.0	9.5/8.7	-	-
SEER	Cooling	W/W	7.05	6.60	6.70	6.40	-	-
SCOP	Heating (Average)		4.40	4.20	4.30	4.30	-	-
Energy Efficiency Class	Cooling	A	A++	A++	A++	A++	-	-
	Heating (Average)		A+	A+	A+	A+	-	-
Max. Operating Current	Cooling/Heating	A	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	20.5/20.5	21.5/21.5
Annual Energy Consumption	Cooling		258	361	444	519	-	-
	Heating		1,367	1,999	2,604	2,833	-	-
Moisture Removal		l/h	2.2	2.7	2.5	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
Sound Power Level	Outdoor(Cooling/Heating)	High	51/50	55/56	53/55	54/55	55/55	55/57
	Indoor(Cooling/Heating)	High	47/47	49/49	54/54	58/58	60/60	61/61
	Outdoor(Cooling/Heating)	High	64/62	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	1,050/1,700	1,150/2,360	1,600/3,600	1,900/3,800	2,000/6,200	2,100/6,850
Net Dimensions H x W x D	Indoor	mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840
	Outdoor	mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
Weight	Indoor	kg(lbs)	24 (53)	24 (53)	26 (57)	26 (57)	29 (64)	29 (64)
	Outdoor	kg(lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.7	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Height Difference		m	20	20	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.80 (3.8)	1.80 (3.8)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.35 (7.0)
Cassette Grille	Variation		UTG-UKYA-W: White Color with touch panel wired remote controller UTG-UKYC-W: White Color / UTG-UKYA-B*1: Black Color					
	Dimensions (H × W × D)	mm	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950
	Weight	kg(lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

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

Optional parts

- Wired Remote Controller: UTY-RNRYZ3, UTY-RVNYM, UTY-RLRY, UTY-RNNYM

Simple Remote Controller: UTY-RSNYM, UTY-RSRY, UTY-RHRY, UTY-LBTYC

IR Receiver Kit: UTY-SHZXC

Human Sensor Kit: UTG-AKXA-W

Wide Panel: UTG-BKXA-W

Panel Spacer:
- Air Outlet Shutter Plate: UTR-YDZK

Insulation Kit For High Humidity: UTZ-KXRA

Flesh Air Intake Kit: UTZ-VXRA

External input and output PCB (with box): UTY-XCSX + UTZ-GXRA

External connect kit: UTY-XWZYG

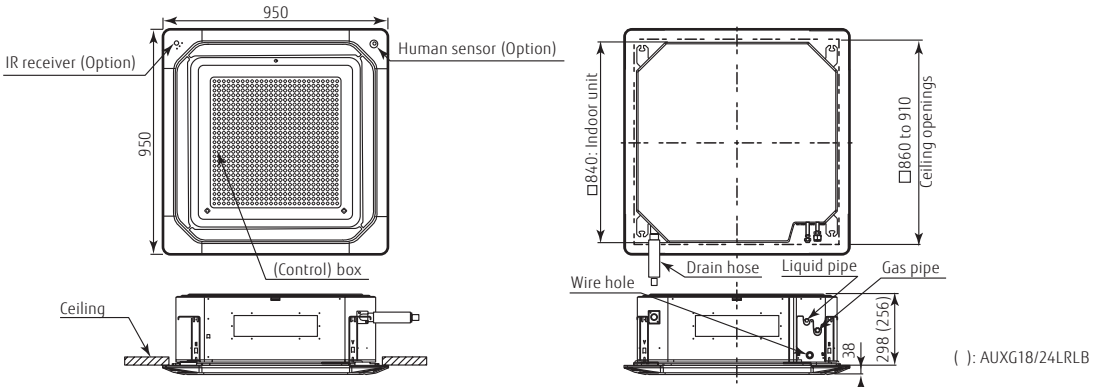
Cassette Grille : UTG-UKYA-W, UTG-UKYA-B, UTG-UKYC-W

Wireless LAN Interface: UTY-TFNXZ1



Dimensions

(Unit : mm)



() : AUXG18/24LRLB

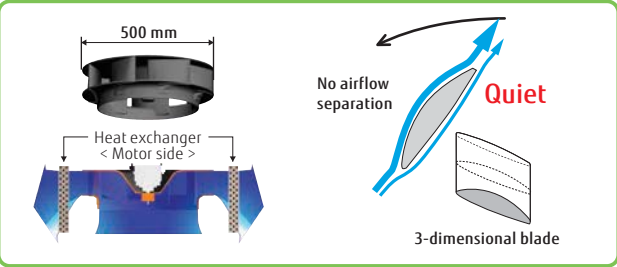
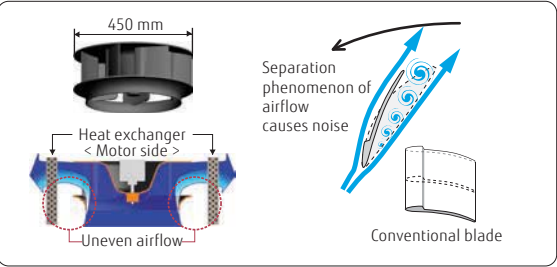
Cassette
4-way Flow
Comfort for large room



High efficiency turbo fan with 3-dimensional blade

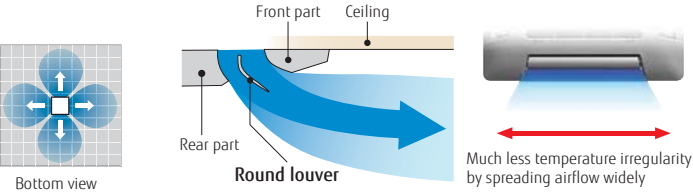
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

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.

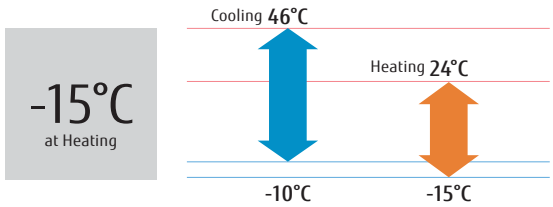


Adjustment of hanger position is possible after installation

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



Low ambient operation



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



Specifications

Model No.	Indoor unit		AUYG30LRLE	AUYG36LRLE	AUYG45LRLA	AUYG45LRLA	AUYG54LRLA	AUYG36LRLA	AUYG45LRLA	AUYG54LRLA
	Outdoor unit		AOYG30LETL	AOYG36LETL	AOYG45LBTCL	AOYG45LETL	AOYG54LETL	AOYG36LATT	AOYG45LATT	AOYG54LATT
Power Source			Single-phase, ~230V, 50Hz					3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	8.5 (2.8-10.0)	10.0 (2.8-11.2)	12.1 (4.0-13.5)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating		10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.5 (4.2-15.7)	14.0 (4.2-16.2)	16.0 (4.7-16.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating	kW	2.65/2.77	3.12/3.02	3.89/3.85	3.88/3.77	4.42/4.69	2.44/2.56	3.54/3.58	4.36/4.43
EER	Cooling	W/W	3.21	3.21	3.11	3.22	3.01	4.10	3.53	3.21
COP	Heating		3.61	3.71	3.51	3.71	3.41	4.38	3.91	3.61
Pdesign	Cooling/Heating (-10°C)	kW	8.5/8.0	10.0/8.7	-	-	-	10.0/10.0	-	-
SEER	Cooling	W/W	6.50	6.30	-	-	-	6.50	-	-
SCOP	Heating (Average)		4.30	4.20	-	-	-	4.30	-	-
Energy Efficiency Class	Cooling			A++	A++	-	-	A++	-	-
	Heating (Average)			A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating	A	17.0/17.0	18.5/20.0	23.5/23.5	20.5/20.5	21.5/21.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling	kWh/a	458	555	-	-	-	538	-	-
	Heating		2,604	2,897	-	-	-	3,253	-	-
Moisture Removal		l/h	2.5	3.5	4.5	4.5	5.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/38/36/32	43/38/36/32	46/42/40/36	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
	Indoor (Heating)	H/M/L/Q	40/38/36/32	43/38/36/32	46/42/40/36	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
Sound Power Level	Outdoor(Cooling/Heating)	High	53/55	54/55	58/58	55/55	55/57	51/53	54/54	55/56
	Indoor(Cooling/Heating)	High	54/54	57/57	-	-	-	58/58	-	-
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,600/3,600	1,800/3,800	1,900/4,650	1,900/6,750	2,000/6,750	1,800/6,200	1,900/6,750	2,000/6,900
	Indoor / Outdoor (Heating)	High	1,600/3,600	1,800/3,800	1,900/4,650	1,900/6,200	2,000/6,850	1,800/6,200	1,900/6,200	2,000/6,900
Net Dimensions H x W x D	Indoor	mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
	Outdoor	mm	830x900x330	830x900x330	914x970x370	1,290x900x330	1,290x900x330	1,290x900x330	1,290x900x330	1,290x900x330
Weight	Indoor	kg(lbs)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)
	Outdoor	kg(lbs)	61 (135)	61 (135)	75 (165)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)		mm	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)		m	50 (20)	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference			30	30	30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.0)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)
Cassette Grille	Model name		UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W
	Dimensions (H x W x D)	mm	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950
	Weight	kg(lbs)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)

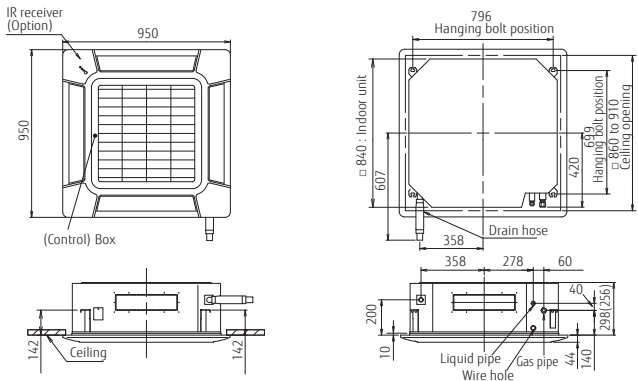
Optional parts

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



Dimensions

(Unit : mm)

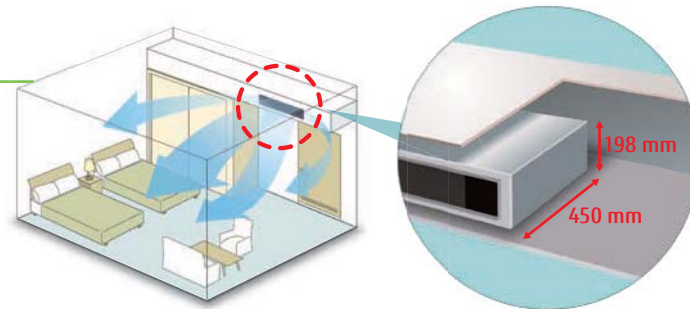


Mini Duct Built-in Drain Pump



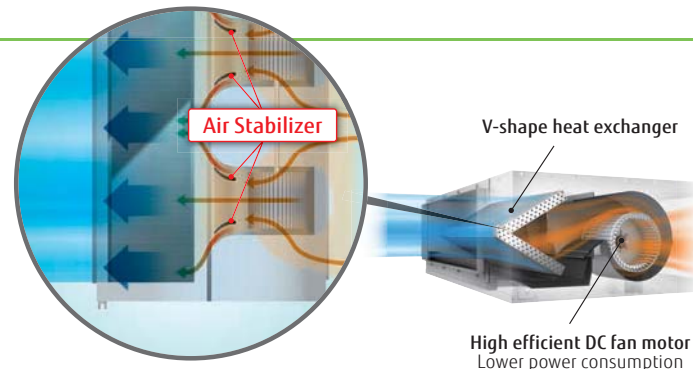
Large living space available

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



Optimum airflow path and low noise operation

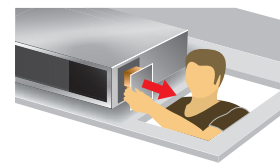
Low noise is realized drastically by stabilized airflow design



Easy design and maintenance for drain

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

Built-in drain pump as standard:
Maintenance is easy



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

Auto Louver Grille Kit (Option)

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



Model : ARYG12LSLAP / ARYG14LSLAP / ARYG18LSLAP



ARYG12/14LSLAP



ARYG18LSLAP



Wired R.C.



For ARYG12/14LSLAP



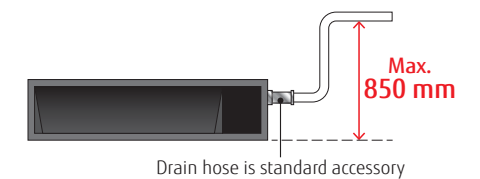
For ARYG18LSLAP

Specifications

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

Optional parts

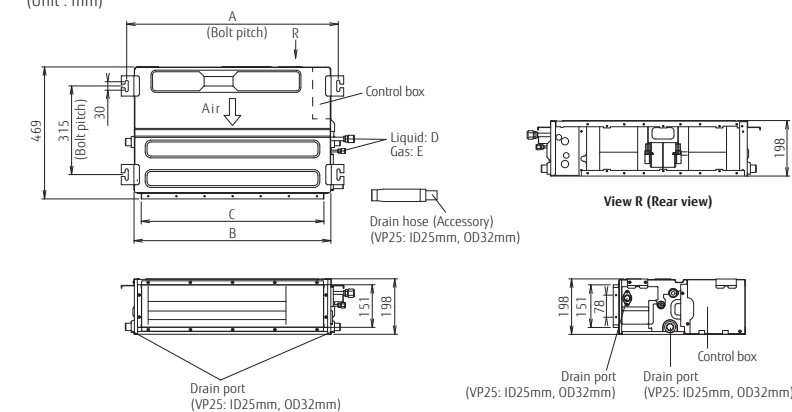
Wired Remote Controller:	UTY-RLRY, UTY-RNRYZ3, UTY-RVNYM, UTY-RNNYM	Auto Louver Grille Kit:	UTD-GXTA-W (ARYG12/14LSLAP) UTD-GXTB-W (ARYG18LSLAP)
Simple Remote Controller:	UTY-RSNYM, UTY-RSRY, UTY-RHRY	External connect kit:	UTY-XWZXZG
IR Receiver Kit:	UTY-LBTYM	Wireless LAN interface:	UTY-TFSXZ1
Remote Sensor Unit:	UTY-XSZX		



Drain hose is standard accessory

Dimensions

(Unit : mm)



	ARYG12/14SLAP	ARYG18SLAP
A	752	952
B	700	900
C	650	850
D	6.35	9.52
F	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.



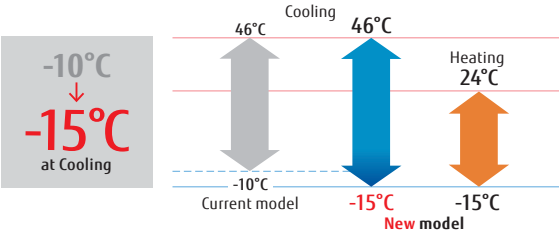
Static pressure range
0 to 90 Pa

Auto Louver Grille Kit
(Option)

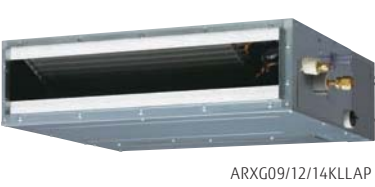
Simple flat Auto Louver will
provide comfort airflow and
harmonize with luxury interior.



Low ambient operation



Model : ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP



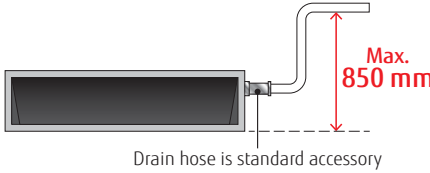
For ARXG09/12/14KLLAP For ARXG18KLLAP

Specifications

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

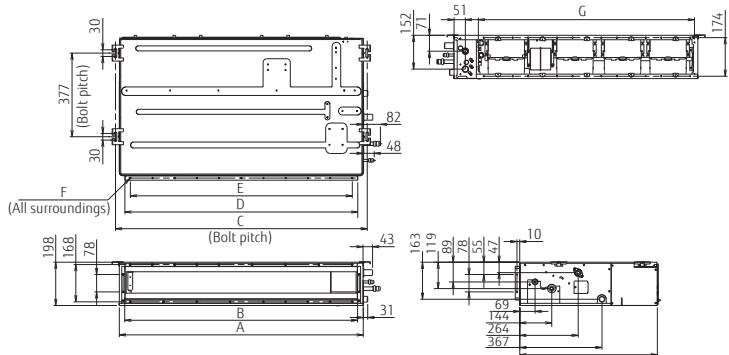
Wired Remote Controller:	UTY-RNRYZ3, UTY-RLRY, UTY-RVNYM, UTY-RNNYM	Wireless LAN Interface: UTY-TFSXZ1
	UTY-RSRY, UTY-RHRY, UTY-RSNYM	Remote Sensor Unit: UTY-XSZX
Simple Remote Controller:	UTY-RSRY, UTY-RHRY, UTY-RSNYM	Auto Louver Grille Kit: UTD-GXTA-W (ARXG12/14KLLAP), UTD-GXTB-W (ARXG18KLLAP)
	UTY-LBTYM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



Drain hose is standard accessory

Dimensions

(Unit : mm)



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

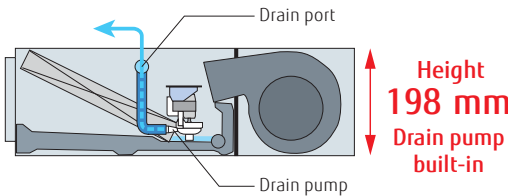
Slim Duct

Slim & Comfort



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

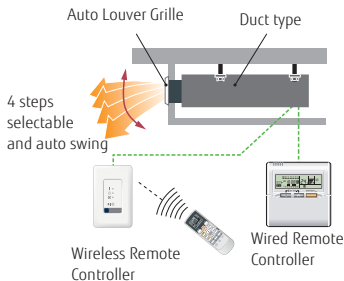
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa.
The change of static pressure range is possible by remote controller.



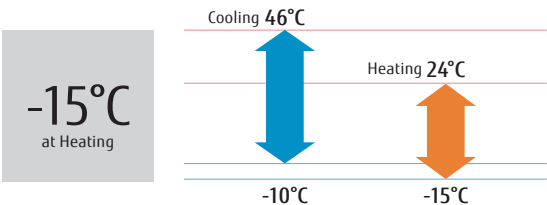
Static pressure range
0 to 90 Pa

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

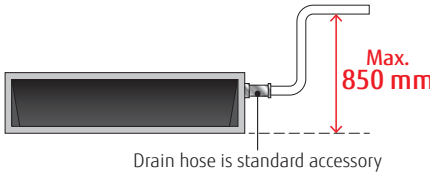


Specifications

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	kW	1.05/1.11	1.33/1.34	1.62/1.66
EER	Cooling	W/W	3.33	3.21	3.21
COP	Heating		3.69	3.71	3.61
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling	W/W	5.90	5.80	6.20
SCOP	Heating		4.00	3.90	4.10
Energy Efficiency Class	Cooling		A+	A+	A++
	Heating		A+	A	A+
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	11.5/13.5
Annual Energy Consumption	Cooling	kWh/a	207	259	294
	Heating		1,467	1,614	1,775
Moisture Removal		l/h	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q	29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	58/58	60/60	58/58
	Outdoor(Cooling/Heating)	High	61/63	62/64	62/65
Airflow Rate	Indoor / Outdoor (Cooling)	High	650/1,780	800/1,910	940/2,380
	Indoor / Outdoor (Heating)	High	650/1,630	800/1,740	940/2,080
Static pressure range (Standard)		Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor	mm	198×700×620	198×700×620	198×900×620
	Outdoor	mm	578×790×300	578×790×300	632×799×290
Weight	Indoor	kg(lbs)	19 (42)	19 (42)	23 (51)
	Outdoor	kg(lbs)	40 (88)	40 (88)	36 (79)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)			25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)
Max Height Difference			15	15	15
Operation Range	Cooling		°CDB	-10 to 46	-10 to 46
	Heating	-15 to 24		-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.20 (2.5)

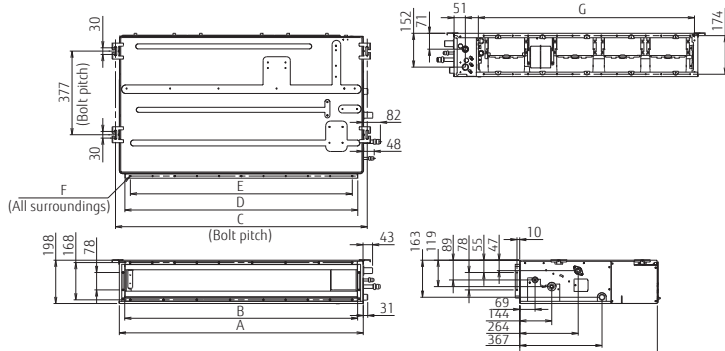
Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNNYM
IR Receiver Kit: UTY-LRHYM
Remote Sensor Unit: UTY-XSZX
Auto Louver Grille Kit: UTD-GXTA-W (ARYG12 / 14LLTB)
UTD-GXTB-W (ARYG18LLTB)
External connect kit: UTD-EC55A
Wireless LAN Interface: UTY-TFNX21



Dimensions

(Unit : mm)

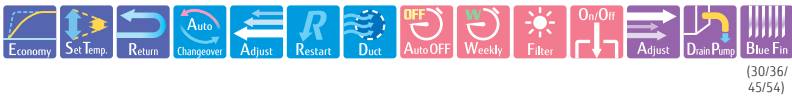
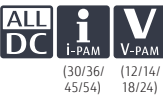


	ARYG12 / 14LLTB	ARYG18LLTB
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	18xØ5	22xØ5
G	574	774



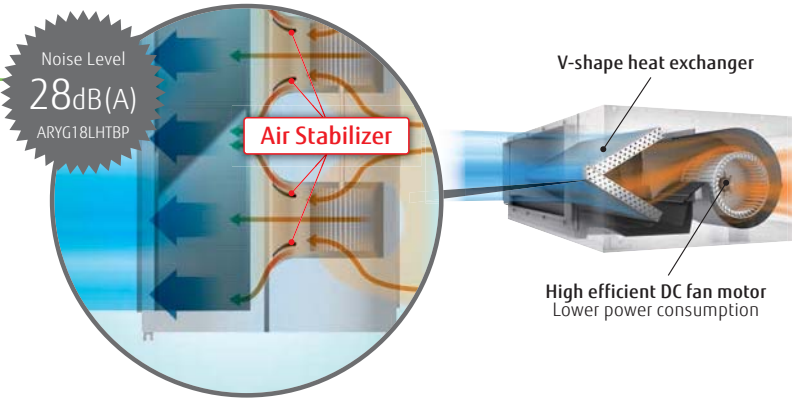
NEW

Medium Static Pressure Duct Compact & Comfort



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.



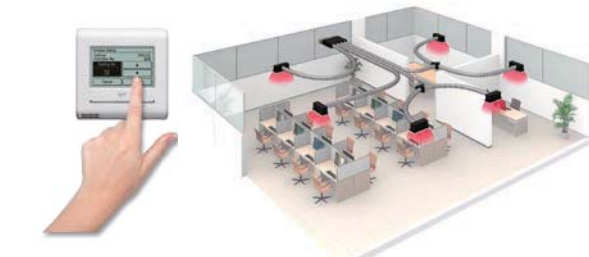
Small and light weight outdoor unit

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

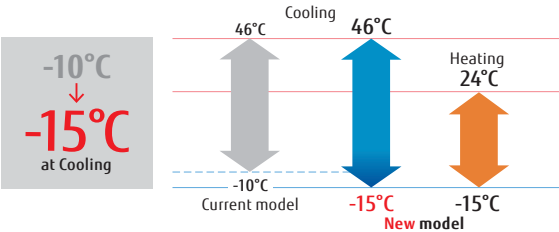


Automatic Airflow adjustment function

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

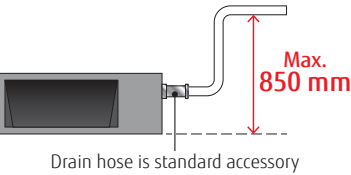


Specifications

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

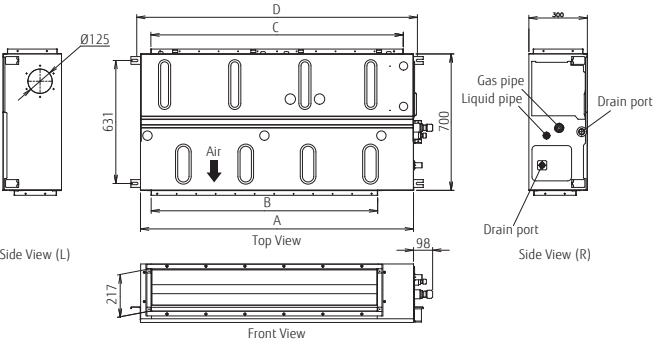
Optional parts

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



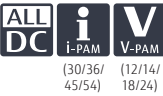
Dimensions

(Unit : mm)



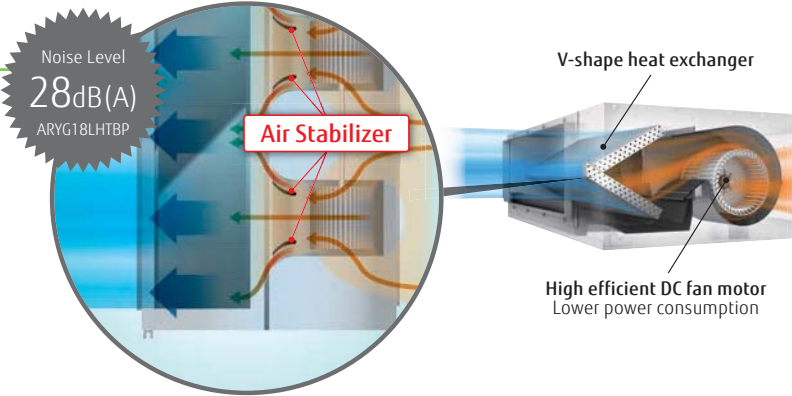
	ARXG12/14KHTAP	ARXG18/22/24/30KHTAP	ARXG36/45/54KHTAP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

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.



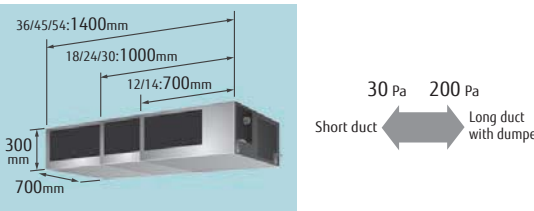
Automatic Airflow adjustment function

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



Improved installation flexibility

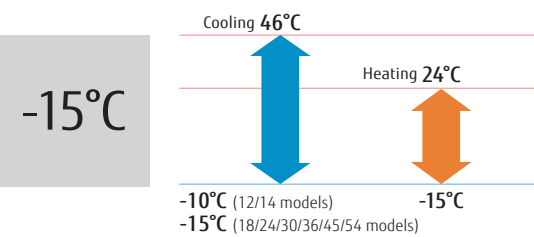
- Capable to be installed in various applications that requires static pressure of 30 Pa to 200 Pa*
 - Built-in drain pump, rises drain up to 850 mm
 - Unified depth throughout the range enables the selection of the capacity regardless of the additional space.
- (*: 12/14/18/24/30/36 models)



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

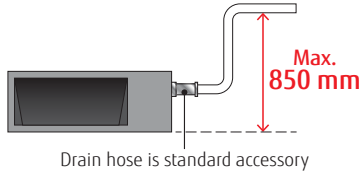


Specifications

Model No.	Indoor unit		ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP
	Outdoor unit		AOYG12LBLA	AOYG14LBLA	AOYG18LBCA	AOYG24LBCA	AOYG30LBTA	AOYG36LBTA	AOYG45LBTA	AOYG54LBTA
Power Source			Single-phase, ~230V, 50Hz							
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-8.0)	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	kW	0.90/1.00	1.18/1.25	1.37/1.48	1.95/2.21	2.65/2.70	2.83/3.07	3.59/3.44	4.42/4.62
EER	Cooling	W/W	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03
COP	Heating		4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46
Pdesign	Cooling/Heating (-10°C)	kW	3.5/4.2	4.3/4.5	5.2/4.3	6.8/6.0	8.5/8.0	9.4/8.7	-	-
SEER	Cooling	W/W	6.20	6.10	7.15	6.50	5.95	5.81	-	-
SCOP	Heating (Average)		4.10	4.00	4.11	4.01	3.95	3.81	-	-
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A+	A+	-	-
	Heating (Average)		A+	A+	A+	A+	A	A	-	-
Max. Operating Current	Cooling/Heating	A	8.0/10.5	9.5/13.0	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	22.5/22.5	23.5/23.5
Annual Energy Consumption	Cooling	kWh/a	198	247	255	366	500	566	-	-
	Heating		1,434	1,573	1,462	2,092	2,833	3,194	-	-
Moisture Removal		l/h	0.7	0.9	1.2	1.8	2.3	2.0	2.6	2.6
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor (Cooling/Heating)	High	47/48	49/49	50/51	55/56	53/55	54/55	55/55	55/57
Sound Power Level	Indoor (Cooling/Heating)	High	57/58	59/60	54/54	57/57	63/65	64/63	67/69	67/69
	Outdoor (Cooling/Heating)	High	60/61	64/63	63/62	68/68	68/69	69/70	69/68	69/71
Airflow Rate	Indoor / Outdoor (Cooling)	m³/h	850/1,780	950/1,910	1,050/1,900	1,360/2,460	1,700/3,600	2,050/2,800	2,550/6,750	2,550/6,750
	Indoor / Outdoor (Heating)		High	850/1,630	950/1,740	1,050/1,700	1,360/2,340	1,700/3,600	1,850/2,800	2,550/6,200
Static pressure range (Standard)		Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions H x W x D	Indoor	mm	300×700×700	300×700×700	300×1,000×700	300×1,000×700	300×1,000×700	300×1,400×700	300×1,400×700	300×1,400×700
	Outdoor	mm	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1,290×900×330	1,290×900×330
Weight	Indoor	kg(lbs)	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)
	Outdoor	kg(lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Height Difference			15	15	20	20	30	30	30	30
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.80 (3.8)	1.80 (3.8)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.35 (7.0)

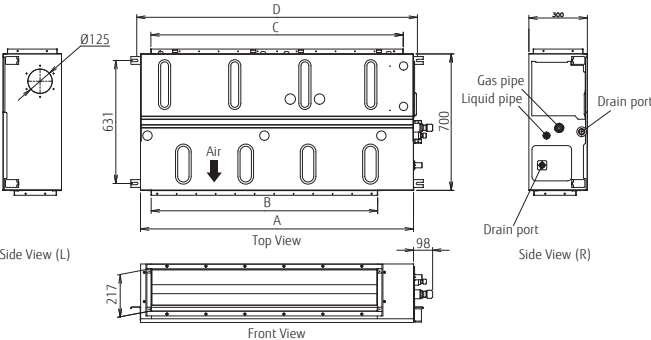
Optional parts

- Wired Remote Controller: UTY-RNRYZ3, UTY-RVNYM, UTY-RNNYM, UTY-RLRY
- Simple Remote Controller: UTY-RSNYM, UTY-RSRY, UTY-RHRY, UTY-LBTYM
- IR Receiver Unit: UTY-LBTYM
- Wireless LAN Interface: UTY-TFNXZ1
- External connect kit: UTY-XWZXZG
- Long life filter: UTD-LFNA (ARYG36/45/54LHTBP), UTD-LFNB (ARYG18/24/30LHTBP), UTD-LFNC (ARYG12/14LHTBP), UTY-XSZX
- Remote Sensor Unit: UTY-XCSX + UTZ-GXNA
- External input and output PCB (with bracket): UTY-XCSX + UTZ-GXNA
- External Input and Output PCB BOX: UTZ-GXRA



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

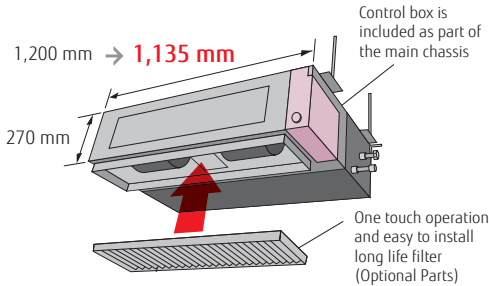
Medium Static Pressure Duct Standard



Slim & Compact design

Indoor Unit

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



New Outdoor Unit

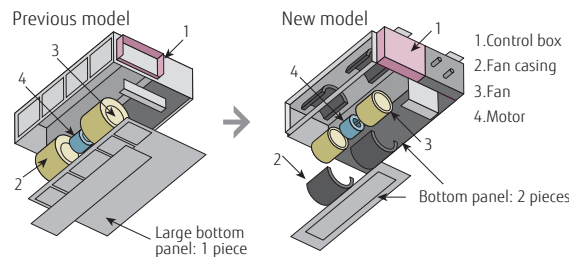
45 model outdoor unit was changed completely. Easier installation was realized by compact and lightweight outdoor unit.



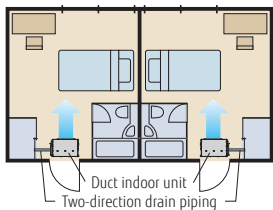
Easy maintenance

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

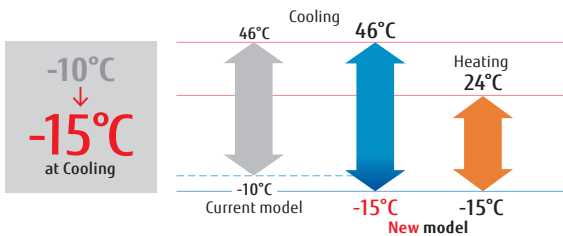
See below for the case of rear suction type



Two-direction drain piping



All class low ambient operation



Model : ARXG22KMLA / ARXG24KMLA / ARXG30KMLA / ARXG36KMLA / ARXG45KMLA

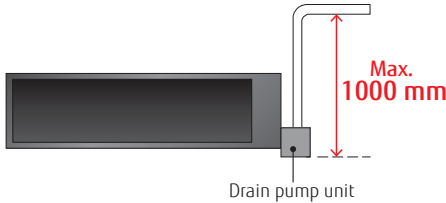


Specifications

Model No.	Indoor unit		ARXG22KMLA	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	
	Outdoor unit		AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	
Power Source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)	
	Heating		7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)	
Input Power	Cooling/Heating	kW	1.78/1.87	2.14/1.97	2.65/2.63	2.97/2.88	4.22/3.84	
EER	Cooling	W/W	3.37	3.18	3.21	3.20	2.87	
COP	Heating		3.74	3.80	3.80	3.75	3.52	
Pdesign	Cooling/Heating(-10°C)	kW	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	
SEER	Cooling	W/W	6.10	6.20	6.23	6.10	-	
SCOP	Heating		4.10	4.10	4.00	4.00	-	
Energy Efficiency Class	Cooling		A++	A++	A++	A++	-	
	Heating		A+	A+	A+	A+	-	
Max. Operating Current	Cooling/Heating	A	12.6	13.6	22.6	22.6	28.5	
Annual Energy Consumption	Cooling		kWh/a	344	384	477	545	-
	Heating		1,637	2,045	2,797	3,044	-	
Moisture Removal		l/h	2.1	2.5	2.5	3.0	4.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q		31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28
	Outdoor(Cooling/Heating)	High		51/51	53/54	53/55	55/55	57/57
Sound Power Level	Indoor(Cooling/Heating)	High	dB(A)	60/62	60/62	65/69	65/70	68/70
	Outdoor(Cooling/Heating)	High		63/63	65/66	68/69	70/70	71/71
Airflow Rate	Indoor / Outdoor (Cooling)	High	m³/h	1,100/2,240	1,100/2,700	1,900/3,750	1,900/3,750	2,100/4,450
	Indoor / Outdoor (Heating)	High		1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450
Static pressure range (Standard)		Pa	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	
Net Dimensions H x W x D	Indoor	mm	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	
	Outdoor	mm	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	
Weight	Indoor	kg(lbs)	35 (77)	35 (77)	38 (84)	38 (84)	39 (86)	
	Outdoor	kg(lbs)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)			35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	
Max Pipe Length (Pre-Charge)		m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	
Max Height Difference			25	25	30	30	30	
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating		-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)	
	Charge		1.25 (0.844)	1.25(0.844)	1.90(1.283)	1.90(1.283)	2.70(1.823)	

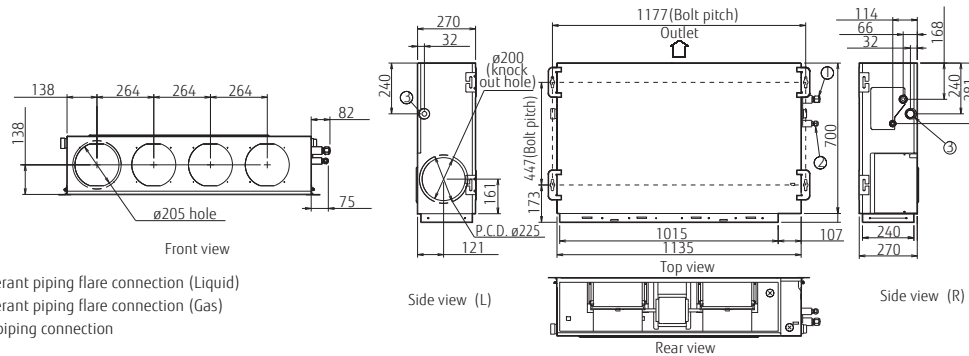
Optional parts

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

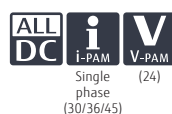


Dimensions

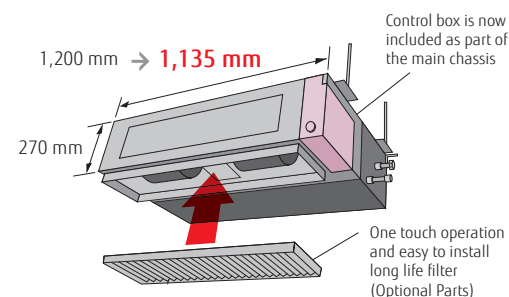
(Unit : mm)



REFRIGERANT
R410A



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.



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.

Figure 1 illustrates the comparison between the previous and new models of the fan assembly. The previous model consists of a control box (1), fan casing (2), fan (3), and motor (4), with a large bottom panel (1 piece). The new model features a control box (1), fan casing (2), fan (3), and motor (4), with a bottom panel made of two pieces (2).

Diagram illustrating a two-direction drain piping system for a duct indoor unit. The unit is shown with two separate drain paths, each leading to a drain pan. The unit is labeled "Duct indoor unit" and "Two-direction drain piping".

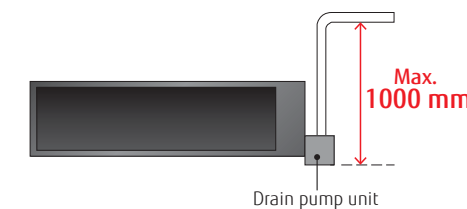
Diagram illustrating temperature differences:

- Grey box: -15°C
- Blue line: -10°C (24 model)
- Orange line: -15°C (30/36/45 models)
- Cooling difference: 46°C (from -15°C to -10°C)
- Heating difference: 24°C (from -15°C to -10°C)

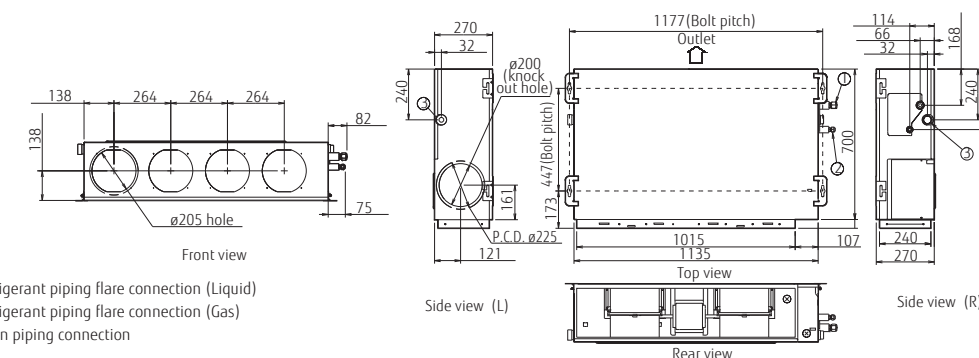


Model No.			Indoor unit	ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA	ARYG45LMLA	ARYG36LMLA	ARYG45LMLA
			Outdoor unit	AOYG24LBCB	AOYG30LETL	AOYG36LETL	AOYG45LBTC	AOYG45LETL	AOYG36LATT	AOYG45LATT
Power Source				Single-phase, ~230V, 50Hz					3-phase, ~400V, 50Hz	
Capacity	Cooling	kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	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 (5.0-14.4)	14.0 (5.4-16.2)	
Input Power	Cooling/Heating	kW	2.21/2.26	2.65/2.68	2.96/3.10	4.29/3.84	3.77/3.68	2.84/2.87	3.89/3.88	
EER	Cooling	W/W	3.08	3.21	3.18	2.82	3.21	3.52	3.21	
COP	Heating		3.54	3.73	3.61	3.46	3.61	3.90	3.61	
Pdesign	Cooling/Heating(-10°C)	kW	6.8/6.0	8.5/8.0	9.4/8.7	-	-	10.0/10.0	-	
SEER	Cooling	W/W	6.20	5.90	5.70	-	-	5.80	-	
SCOP	Heating		4.00	3.90	3.80	-	-	4.00	-	
Energy Efficiency Class	Cooling	A++	A+	A+	-	-	A+	-		
	Heating	A+	A	A	-	-	A+	-		
Max. Operating Current	Cooling/Heating	A	14.7/15.7	17.0/17.0	18.5/20.0	23.5/23.5	21.0/21.0	8.5/8.5	9.5/9.5	
Annual Energy Consumption	Cooling	kWh/a	384	504	576	-	-	603	-	
	Heating		2,099	2,868	3,202	-	-	3,497	-	
Moisture Removal			l/h	2.5	2.5	3.0	4.0	4.0	3.0	4.5
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	42/38/32/28	38/36/31/26	42/38/32/28	
	Indoor (Heating)	H/M/L/Q	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/38/32/28	40/36/31/26	42/38/32/28	
Sound Power Level	Outdoor(Cooling/Heating)	High	53/54	53/55	54/55	58/58	55/55	51/53	54/54	
	Indoor(Cooling/Heating)	High	60/62	65/69	65/70	-	-	65/67	-	
	Outdoor(Cooling/Heating)	High	66/66	68/69	69/70	-	-	67/69	-	
Airflow Rate	Indoor / Outdoor (Cooling)	High	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)	High	1,100/2,700	2,100/3,600	2,100/3,800	2,100/4,650	2,100/6,850	1,850/6,200	2,100/6,200	
Static pressure range (Standard)			Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30 to 150 (60)	30 to 150 (47)	30 to 150 (60)
Net Dimensions H x W x D	Indoor	mm	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	
	Outdoor	mm	716×820×315	830×900×330	830×900×330	914×970×370	1,290×900×330	1,290×900×330	1,290×900×330	
Weight	Indoor	kg(lbs)	38 (84)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)	
	Outdoor	kg(lbs)	42 (93)	61 (134)	61 (134)	75 (165)	86 (190)	104 (229)	104 (229)	
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			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 (15)	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)
Max Height Difference			m	20	30	30	30	30	30	30
Operation Range	Cooling	°CDB	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-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-a-1)	1.50 (3.1)	2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.2)	3.45 (7.2)	3.45 (7.2)	

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



(Unit : mm)

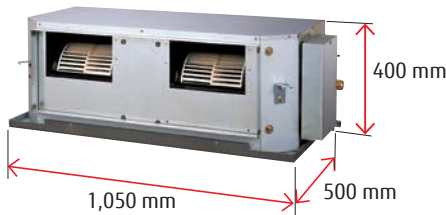


High Static Pressure Duct



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.

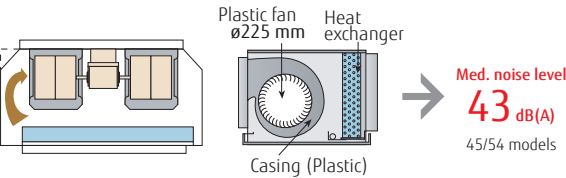


Design also corresponding to high static pressure

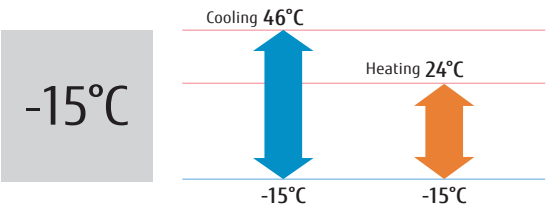


Low noise

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



Specifications

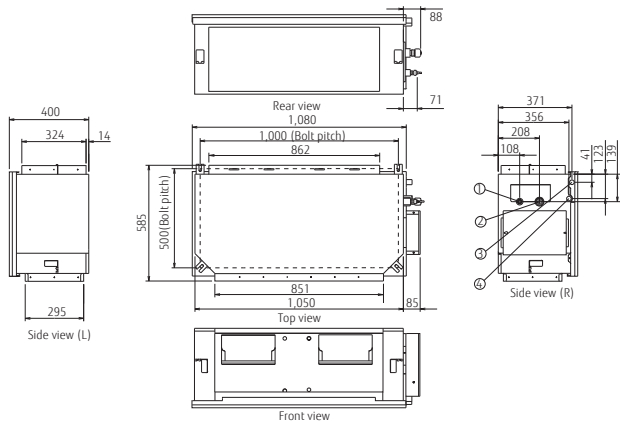
Model No.	Indoor unit		ARXG45KHTA	ARXG54KHTA
	Outdoor unit		AOYG45KBTB	AOYG54KBTB
Power Source			Single-phase, ~230V, 50Hz	
Capacity	Cooling	kW	12.1 (4.0-14.0)	13.4 (5.0-14.5)
	Heating		13.5 (5.0-16.2)	15.5 (5.5-18.0)
Input Power	Cooling/Heating	kW	4.16/3.61	4.77/4.18
EER	Cooling	W/W	2.91	2.81
COP	Heating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

Optional parts

- Wired Remote Controller: UTY-RVNYM, UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- Wireless LAN Interface: UTY-TFNXZ1
- Remote Sensor Unit: UTY-XSZX
- Long Life Filter: UTD-LF60KA
- External Connect Kit: UTD-EC55A

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)

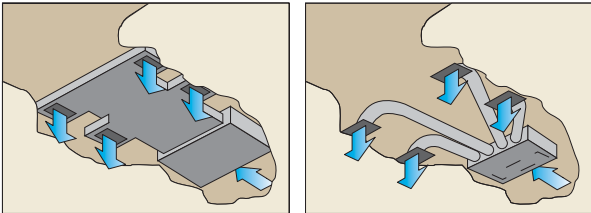
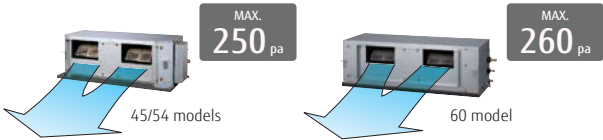
High Static Pressure Duct



High energy efficiency

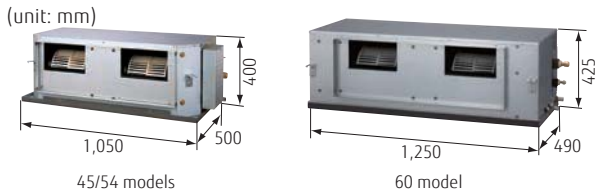
Significantly greater efficiency is realized by using all DC inverter technology. (60 model)

Design also corresponding to high static pressure



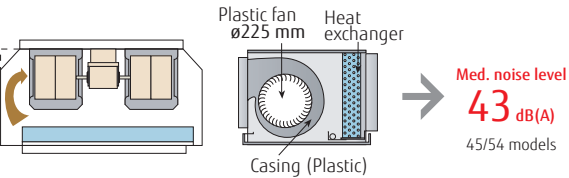
Easy installation (Compact size & Lightweight)

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

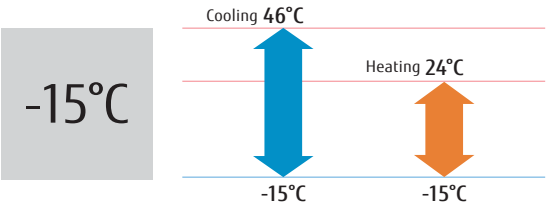


Low noise

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



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



Specifications

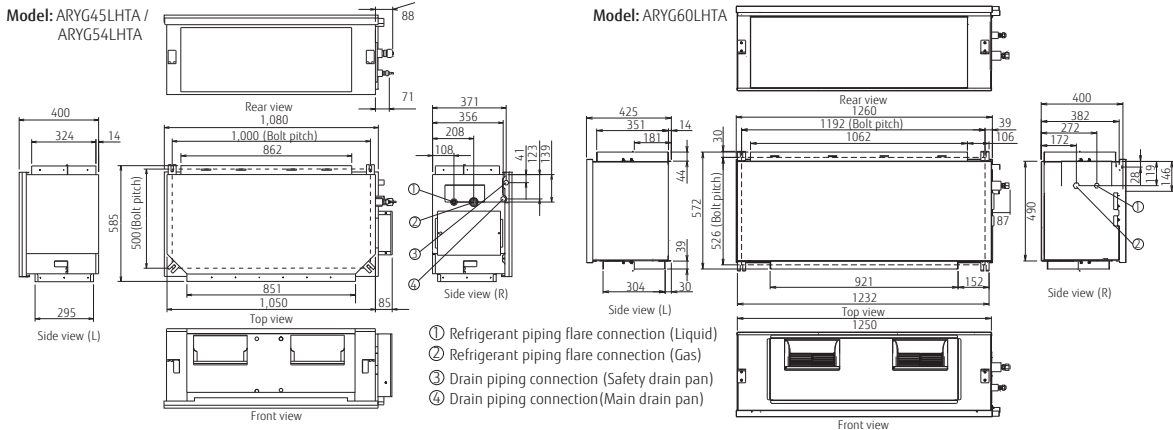
Model No.	Indoor unit		ARYG45LHTA	ARYG54LHTA	ARYG45LHTA	ARYG54LHTA	ARYG60LHTA
	Outdoor unit		AOYG45LETL	AOYG54LETL	AOYG45LATT	AOYG54LATT	AOYG60LATT
Power Source			Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.2)	15.0 (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 (189)	86 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max Pipe Length (Pre-Charge)		m	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference			30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	3.35 (7.0)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)

Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNNYM
- Long-Life Filter: UTD-LF60KA (ARYG45/54LHTA)
- Remote Sensor Unit: UTY-XSZX
- IR Receiver Kit: UTY-LRHYM(ARYG60LHTA)
- External connect kit: UTD-ECSSA
- Wireless LAN Interface: UTY-TFNXZ1

Dimensions

(Unit : mm)

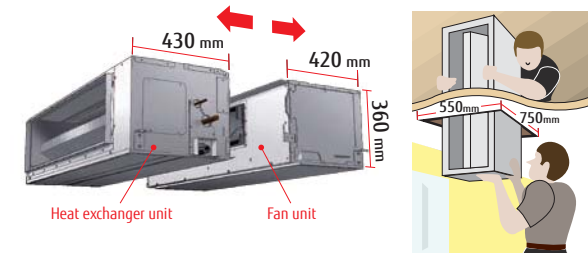


Big Duct



Separation is possible by lightweight compact design

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



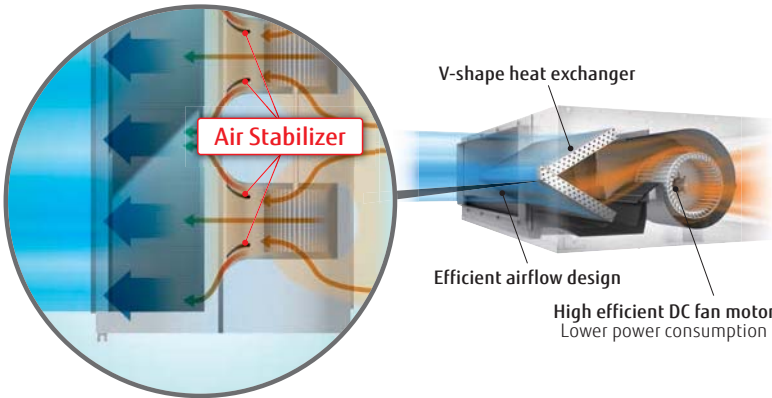
Automatic Airflow adjustment function

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



Quiet operation

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



Model : ARYG72LHTA / ARYG90LHTA



Specifications

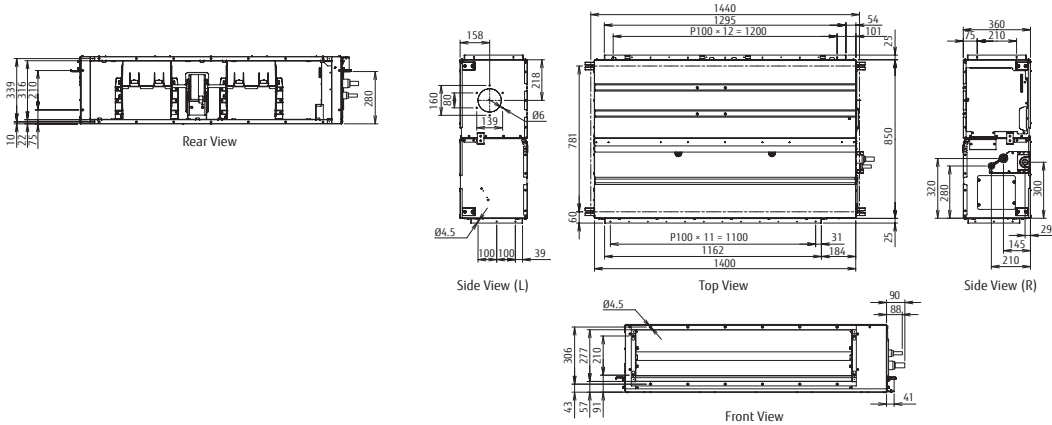
Model No.	Indoor unit		ARYG72LHTA	ARYG90LHTA
	Outdoor unit		AOYG72LRLA	AOYG90LRLA
Power Source	Indoor		Single-phase, ~230V, 50Hz	
	Outdoor		3-phase, ~400V, 50Hz	
Capacity	Cooling	kW	19.0 (8.4-20.9)	22.0 (10.3-24.2)
	Heating	kW	22.4 (7.2-24.6)	27.0 (8.5-29.7)
Input Power	Cooling/Heating	kW	6.46 / 6.59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

Optional parts

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

Dimensions

(Unit : mm)

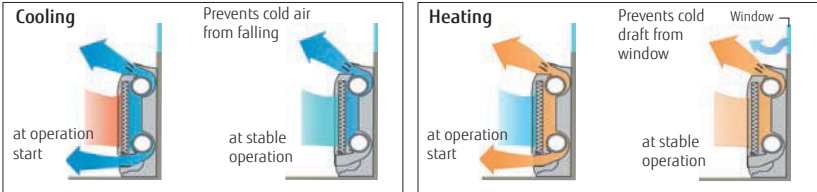


Floor
Compact & Comfort



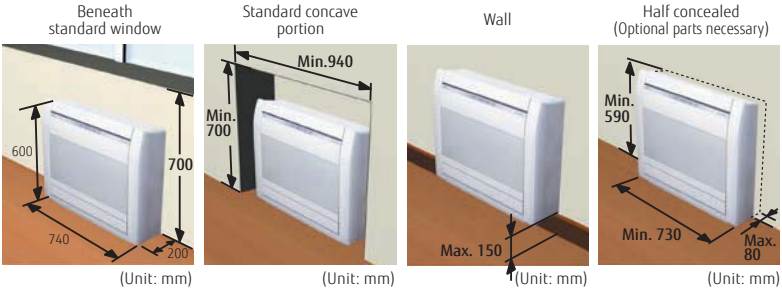
2-Fan & Wide airflow

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



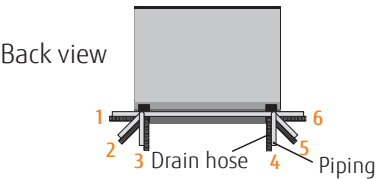
Flexible & easy installation

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



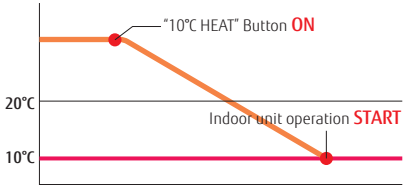
Flexible piping connection 6 direction of drain & piping

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

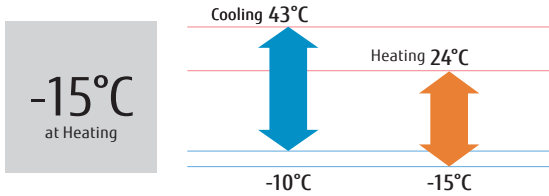


10°C HEAT Operation

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



Low ambient operation



Model: AGYG09LVCA / AGYG12LVCA / AGYG14LVCA



Wireless R.C.



For AGYG09/12LVCA



For AGYG14LVCA

Specifications

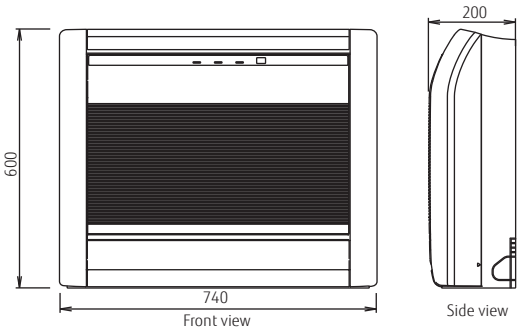
Model No.	Indoor unit		AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
	Outdoor unit		AOYG09LVCA	AOYG12LVCA	AOYG14LVLA
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	2.6 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating		3.5 (0.9-4.9)	4.5 (0.9-5.3)	5.2 (0.9-6.3)
Input Power	Cooling/Heating	kW	0.53/0.79	0.94/1.19	1.14/1.44
EER	Cooling	W/W	4.91	3.72	3.68
COP	Heating		4.43	3.78	3.61
Pdesign	Cooling/Heating(-10°C)	kW	2.6/2.9	3.5/3.8	4.2/4.7
SEER	Cooling	W/W	7.00	6.50	6.40
SCOP	Heating (Average)		4.20	4.00	4.00
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A+
Max. Operating Current	Cooling/Heating	A	7.0/10.0	7.0/10.0	9.0/13.5
Annual Energy Consumption	Cooling	kWh/a	130	188	230
	Heating		967	1,330	1,645
Moisture Removal		l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q	40/35/29/22	40/35/29/22	43/37/29/22
Sound Power Level	Outdoor(Cooling/Heating)	High	47/48	48/49	50/50
	Indoor(Cooling/Heating)	High	55/56	55/56	58/58
	Outdoor(Cooling/Heating)	High	64/65	64/65	65/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	570/1,680	570/1,680	650/1,910
	Indoor / Outdoor (Heating)	High	600/1,490	600/1,680	650/1,750
Net Dimensions H x W x D	Indoor	mm	600×740×200	600×740×200	600×740×200
	Outdoor	mm	540×790×290	540×790×290	578×790×300
Weight	Indoor	kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor	kg(lbs)	36 (79)	36 (79)	40 (88)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/12.70
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.05 (2.2)	1.05 (2.2)	1.15 (2.4)

Optional parts

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

Dimensions

(Unit : mm)



Comfort & Dual Design



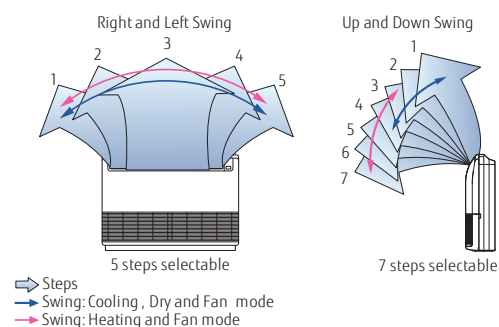
Floor console



Under ceiling



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



- High power
- Wide rotation range
- High efficiency

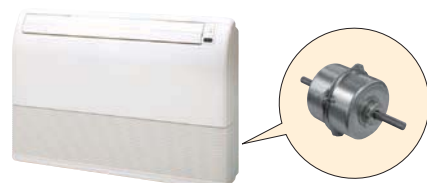


Diagram illustrating temperature changes on a number line:

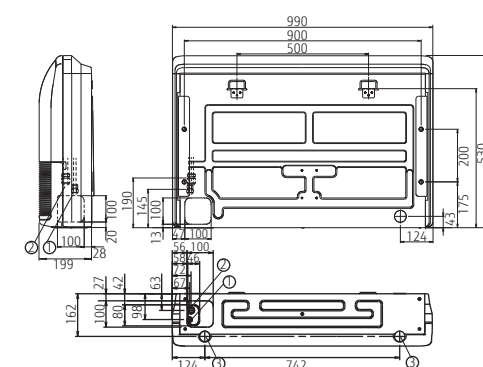
- A grey box on the left contains -15°C at Heating.
- On the right, a number line shows three points: -10°C , -15°C , and -20°C .
- A blue double-headed arrow between -10°C and -20°C is labeled "Cooling 46°C ".
- An orange double-headed arrow between -15°C and -20°C is labeled "Heating 24°C ".



Model No.	Indoor unit		ABYG18LVTB	ABYG24LVTB	
	Outdoor unit		AOYG18LBCB	AOYG24LBCB	
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	5.2 (0.9-5.9)	6.8 (0.9-8.0)	
	Heating		6.0 (0.9-7.5)	8.0 (0.9-9.1)	
Input Power	Cooling/Heating	kW	1.62/1.66	2.21/2.26	
EER	Cooling	W/W	3.21	3.08	
COP	Heating		3.61	3.54	
Pdesign	Cooling/Heating(-10°C)	kW	5.2/5.2	6.8/6.0	
SEER	Cooling	W/W	6.10	5.60	
SCOP	Heating (Average)		4.00	3.90	
Energy Efficiency Class	Cooling		A++	A+	
	Heating (Average)		A+	A	
Max. Operating Current	Cooling/Heating	A	11.5/13.5	14.7/15.7	
Annual Energy Consumption	Cooling	kWh/a	298	425	
	Heating		1,818	2,153	
Moisture Removal			l/h	2.7	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	48/44/40/35	
	Indoor (Heating)	H/M/L/Q		48/44/40/35	
	Outdoor(Cooling/Heating)	High		53/54	
Sound Power Level	Indoor(Cooling/Heating)	High	57/57	61/61	
	Outdoor(Cooling/Heating)	High	62/65	66/66	
Airflow Rate	Indoor / Outdoor (Cooling)	High	780/2,380	980/2,850	
	Indoor / Outdoor (Heating)	High	780/2,080	980/2,700	
Net Dimensions H x W x D	Indoor	mm	199×990×655	199×990×655	
	Outdoor	mm	632×799×290	716×820×315	
Weight	Indoor	kg(lbs)	27 (59)	27 (59)	
	Outdoor	kg(lbs)	36 (79)	42 (93)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.70	6.35/15.88	
Drain hose Diameter (I.D./O.D.)			25/32	25/32	
Max Pipe Length (Pre-Charge)		m	25 (15)	30 (15)	
Max Height Difference			15	20	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	
	Heating		-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	1.20 (2.5)	1.50 (3.1)	

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

(Unit: mm)



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

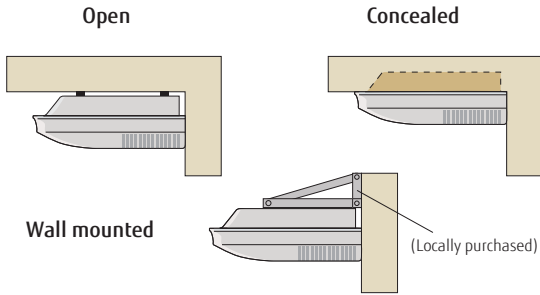
Ceiling
Comfort for Large Room



(45)

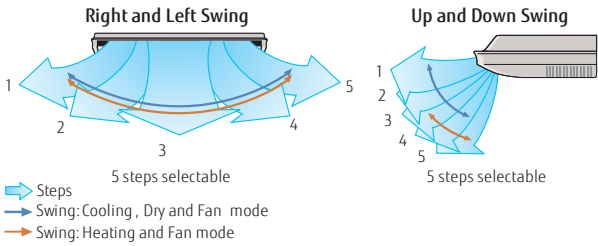
Flexible installation

Various installations are possible to match the room layout.

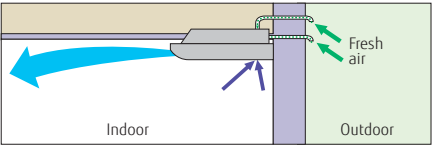


Multi auto swing

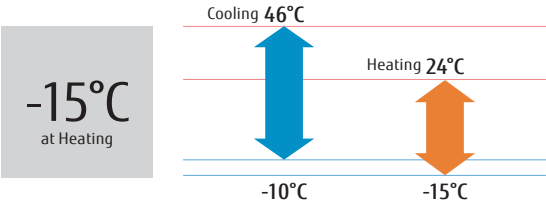
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Low ambient operation



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



Wireless R.C.



For ABYG30/36LRTE



For ABYG45LRTA
(Single -phase)



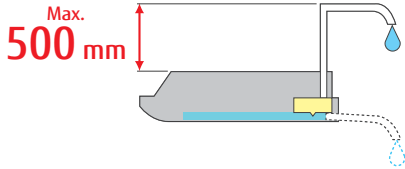
For ABYG36/45/54LRTA

Specifications

Model No.	Indoor unit		Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz		
	Outdoor unit		ABYG30LRTE AOYG30LETL	ABYG36LRTE AOYG36LETL	ABYG45LRTA AOYG45LBT	ABYG45LRTA AOYG45LETL	ABYG36LRTA AOYG36LATT	ABYG45LRTA AOYG45LATT	ABYG54LRTA AOYG54LATT
Power Source									
Capacity	Cooling	kW	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.0)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating		10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.2)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating	kW	2.65/2.77	2.93/3.02	4.29/3.84	3.77/3.68	2.84/2.87	3.89/3.88	4.65/4.67
EER	Cooling	W/W	3.21	3.21	2.82	3.21	3.52	3.21	3.01
COP	Heating		3.61	3.71	3.46	3.61	3.90	3.61	3.43
Pdesign	Cooling/Heating(-10°C)	kW	8.5/8.0	9.4/8.7	-	-	10.0/10.0	-	-
SEER	Cooling	W/W	6.10	6.00	-	-	6.10	-	-
SCOP	Heating		4.20	4.10	-	-	4.10	-	-
Energy Efficiency Class	Cooling		A++	A+	-	-	A++	-	-
	Heating		A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating	A	17.0/17.0	18.5/20.0	23.5/23.5	20.5/20.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling	kWh/a	487	548	-	-	573	-	-
	Heating		2,662	2,965	-	-	3,414	-	-
Moisture Removal		l/h	2.5	3.0	4.0	4.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	45/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Indoor (Heating)	H/M/L/Q	45/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
Sound Power Level	Outdoor(Cooling/Heating)	High	53/55	54/55	58/58	55/55	51/53	54/54	55/56
	Indoor(Cooling/Heating)	High	57/60	60/61	-	-	61/61	-	-
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 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)		mm	22.0/25.6	22.0/25.6	21.5/26.0	21.5/26.0	21.5/26.0	21.5/26.0	21.5/26.0
Max Pipe Length (Pre-Charge)		m	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference			30	30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°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)	2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)

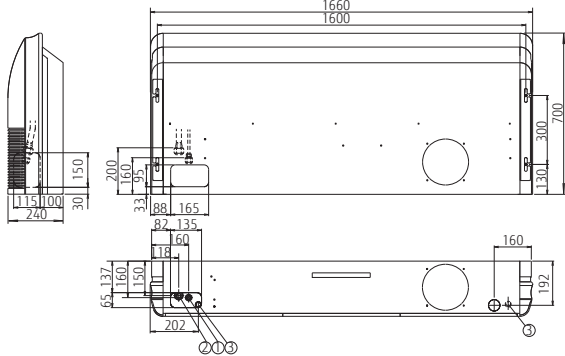
Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
Simple Remote Controller: UTY-RSNNYM
Drain Pump Unit: UTR-DPB24T
Flange (Round): UTD-RF204
Wireless LAN Interface: UTY-TFNX21
External Connect Kit: UTD-ECSSA, UTY-XWZX



Dimensions

(Unit : mm)



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

Feature Summary

Type	Wall Mounted												Cassette				Duct										Floor	Floor/ Ceiling	Ceiling				
Series	Flagship Range	Designer Range	Standard Range		ECO Range		Designer Range		Standard Range		ECO Range	Compact 4-way Flow				Circular Flow		4-way Flow	Mini (With drain pump)	Slim (With drain pump)		Medium Static Pressure (Compact & Comfort)		Medium Static Pressure (Standard)		High Static Pressure		Big					
Model No.																																	
	ASYG 12KXCA	ASYG 07/09/12/14 KGTB	ASYG 07/09/12/14 KMTB	ASYG 18/24KMTA	ASYG 07/09/12 KPCA	ASYG 18/24KLCA	ASYG 09/12LTCA	ASYG 07/09/12/14 LUCA	ASYG 07/09/12/14 LMCE	ASYG 18/30LFCA, ASYG 24LFCC	ASYG 30/36LMTA	ASYG 07/09/12 LLCE	AUXG 09/12/14/ 18/22/24 KVLA	AUYG 12/14/18 LVLB, AUYG 24LVLA	AUXG 18/22/24/ 30/36/45/54 KRLB	AUXG 18/24/30/ 36/45/54 LRLB	AUYG 30/36LRLE, AUYG 36/45/54 LRLA	ARYG 12/14/18 LSLAP	ARXG 09/12/14/18 KLLAP	ARYG 12/14/18 LLTB	ARXG 12/14/18/ 22/24/30/ 36/45/54 KHTAP	ARYG 12/14/18/ 24/30/36/ 45/54 LHTBP	ARXG 22/24/ 30/36/45 KMLA	ARYG 24/36/45 LMLA, ARYG 30/36LMLE	ARXG 45/54KHTA	ARYG 45/54/60 LHTA	ARYG 72/90LHTA	AGYG 09/12/14 LVCA	ABYG 18LVTB, ABYG 24LVTA	ABYG 30/36LRTE, ABYG 36/45/54 LRTA			
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)				○	○	○	○	○	○	○	○	○	○	○	
	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)	●			● (30/36/45/54)	● (30/36/45/54)	● (45/54)				● (30/36/45/54)	● (30/36/45/54)	○ (45)	○ (45)	●	●	●				● (45)		

○: Optional function