



## Light Commercial & Residential SPLIT

- S-004 Split Overview
- S-006 Indoor Units Lineup
- S-008 Features
- S-013 Features Explanation
- S-050 Wall-mounted W-LAN Adapter Option Models Specifications
- S-052 ECO Series Lineup Specifications
- S-056 Feature Summary



### Refrigerant R32 models

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

- S-014 Designer Series
  - High Spec & Design
  - Cool Beauty Design
- S-018 Standard Series
  - High-Efficiency & Comfort

### Wall-mounted type

- S-020 Standard Series
  - High-Efficiency & Large Rooms
- S-024 ECO Series
  - Compact Size
  - Comfort for Large Rooms

### Cassette

- S-028 Compact 4-way Flow Series – Compact Size
- S-030 Circular Flow Series – Comfort for Large Rooms

### Duct

- S-032 Slim Duct – Slim Design
- S-034 Medium Static Pressure Duct
  - High-Efficiency & Comfort
  - Compact Size
  - Standard
- S-040 High Static Pressure Duct

### Floor, Ceiling

- S-046 Floor – Compact Size
- S-048 Ceiling



### Refrigerant R410A models

#### Duct

- S-042 High Static Pressure Duct
- S-044 Big Duct



# Split Overview

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



Wall-mounted type, Designer Series, Cool Beauty Design



Ceiling



## Wall-mounted type

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



## Duct

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



## Cassette

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



## Floor

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



## Ceiling

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

# Indoor Units Lineup



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

Type	Series	Refrigerant	Model	Class													
				7	9	12	14	18	22	24	30	36	45	54	60	72	90
Wall-mounted type Built in W-LAN adapter model	Designer Series High Spec & Design	R32	NEW	ASYG07KGTf	ASYG09KGTf	ASYG12KGTf	ASYG14KGTf										
	Designer Series Cool Beauty Design	R32	NEW	ASYG07KETf ASYG07KETf-B	ASYG09KETf ASYG09KETf-B	ASYG12KETf ASYG12KETf-B	ASYG14KETf ASYG14KETf-B										
	Standard Series High-Efficiency & Comfort	R32	NEW	ASYG07KMCF	ASYG09KMCF	ASYG12KMCF	ASYG14KMCF										
Wall-mounted type	Standard Series High-Efficiency & Large Rooms	R32						ASYG18KMTE		ASYG24KMTE							
	Standard Series High-Efficiency & Large Rooms	R32	NEW								ASYH30KMTB	ASYH36KMTB					
	ECO Series Compact Size	R32		ASYG07KPCE	ASYG09KPCE	ASYG12KPCE											
	ECO Series Comfort for Large Rooms	R32						ASYG18KLCA		ASYG24KLCA							
	Designer Series High Spec & Design	R32		ASYG07KGTE	ASYG09KGTE	ASYG12KGTE	ASYG14KGTE										
	Designer Series Cool Beauty Design	R32		ASYG07KETE ASYG07KETE-B	ASYG09KETE ASYG09KETE-B	ASYG12KETE ASYG12KETE-B	ASYG14KETE ASYG14KETE-B										
	Standard Series High-Efficiency & Comfort	R32		ASYG07KMCE	ASYG09KMCE	ASYG12KMCE	ASYG14KMCE										
Cassette	Compact 4-way Flow Series Compact Size	R32			AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA							
	Circular Flow Series Comfort for Large Rooms	R32		18/22/24	30/36/45/54			AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB			
Duct	Slim Duct	R32		09/12/14	18	ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP								
	Medium Static Pressure Duct High-Efficiency & Comfort	R32	NEW	22/24	30/36/45/54					ARXH22KMTAP	ARXH24KMTAP	ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH54KMTAP		
	Medium Static Pressure Duct Compact Size	R32		12/14	18/22/24/30	36/45/54	ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP		
	Medium Static Pressure Duct Standard	R32								ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA			
	High Static Pressure Duct	R32												ARXG45KHTB	ARXG54KHTB		
		R410A														ARYG60LHTA	
Big Duct	R410A															ARYG72LHTA	ARYG90LHTA
Floor Compact & Comfort	R32				AGYG09KVCA	AGYG12KVCA	AGYG14KVCA										
Ceiling	R32		18/22	24/30	36/45/54				ABYG18KRtA	ABYG22KRtA	ABYG24KRtA	ABYG30KRtA	ABYG36KRtA	ABYG45KRtA	ABYG54KRtA		

# Features

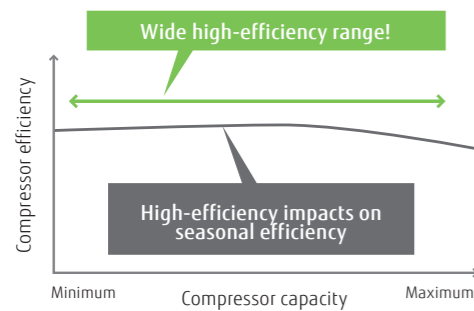
## High-Efficiency

### ALL DC All DC Inverter Technology



#### DC twin-rotary compressor

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



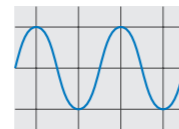
#### DC fan motor

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



#### Sine-wave DC inverter control

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



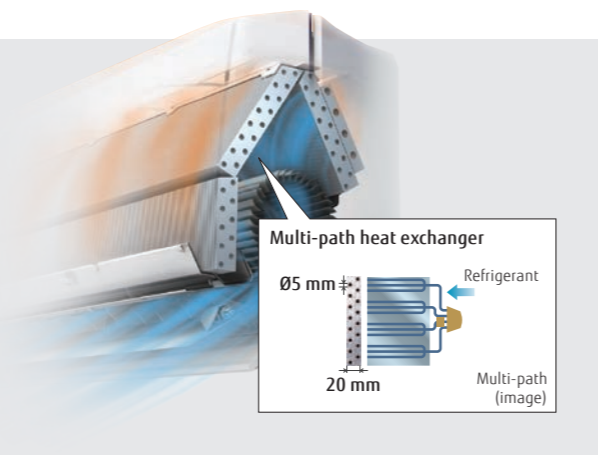
### Heat Exchanger for Wall-mounted type

#### High-density multipath heat exchanger

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

#### High-performance sub-cool heat exchanger

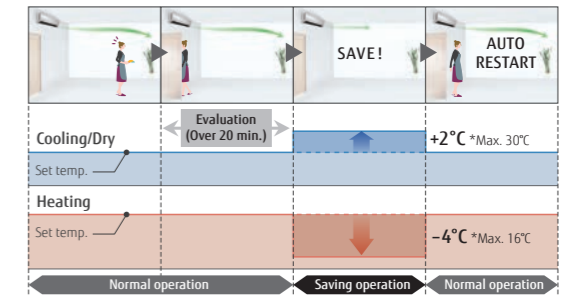
A counter-type bypass circuit has been incorporated to achieve a higher performance. (Large multi-split type, VRF)



## High Energy Saving

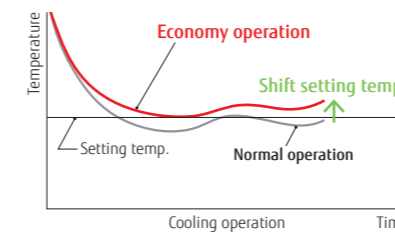
### Occupancy sensor control

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



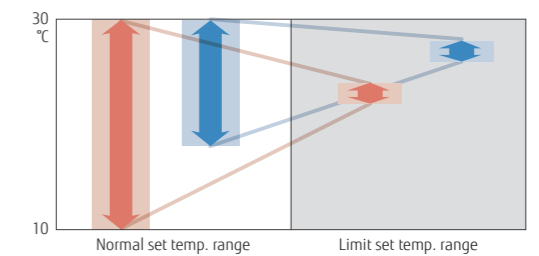
### Economy operation

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



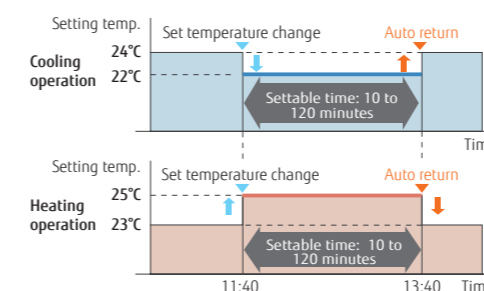
### Setting temperature range limitation

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



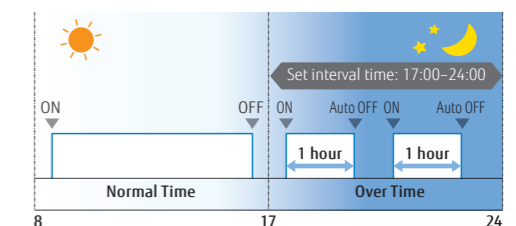
### Set temperature auto return

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



### Auto-off timer

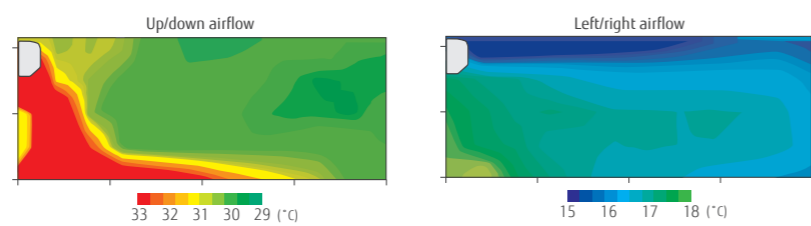
- The indoor unit is automatically turned off when it reaches a preset operating time frame.
- The time frame of the Auto-off timer can be flexibly scheduled.
- Auto-off times can be set from 30 to 240 minutes.



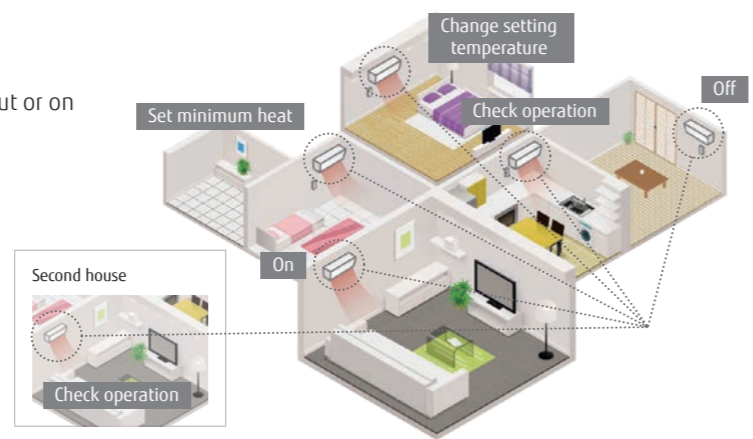
# More Comfort



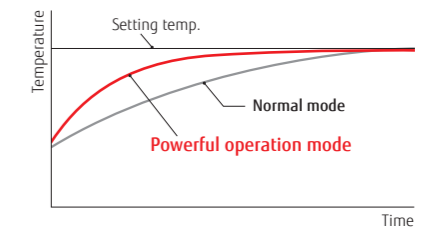
**Power diffuser**  
 These three technologies enable precise wind direction control and improve ventilation efficiency; our airflow control offers a more comfortable environment.



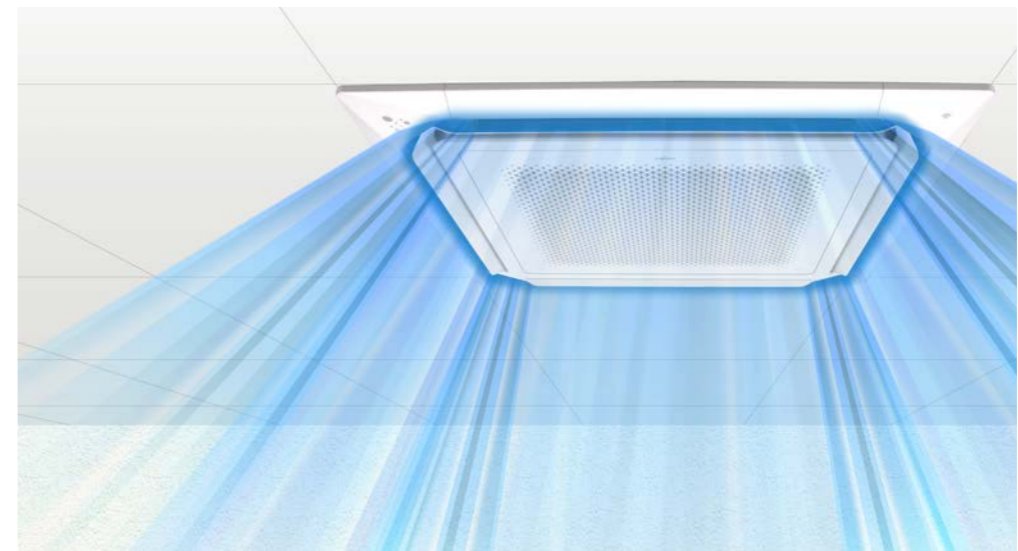
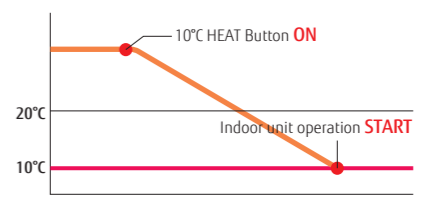
**Wireless LAN control**  
 Users can control their air conditioners from anywhere with their mobile devices while out or on the move.



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



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



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



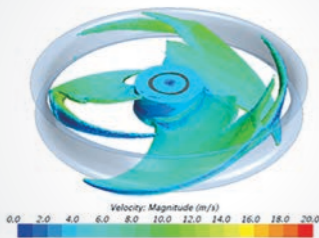
# Quiet and Comfort Control



## Low Noise Technology

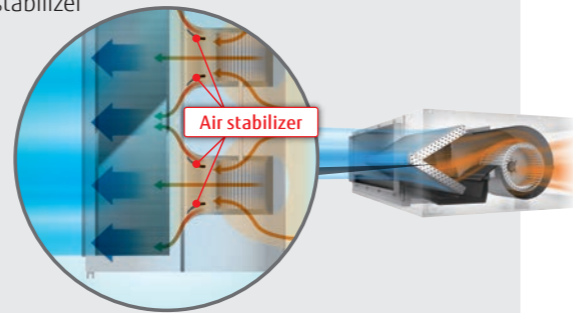
### Outdoor unit fan

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



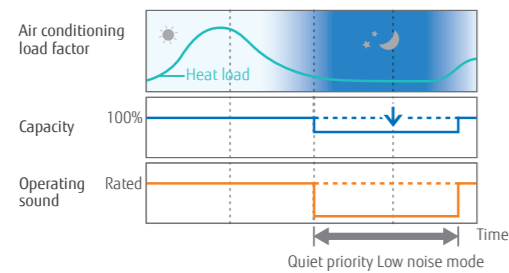
### Air stabilizer in Duct

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



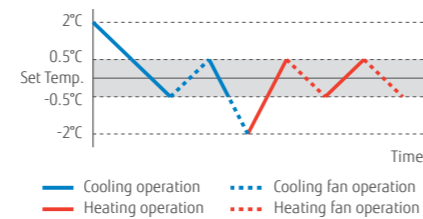
### Outdoor unit low noise operation

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



### Auto changeover

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



### Fresh air intake for Cassette, Duct, Ceiling

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



# Feature Explanation

## Energy-Saving Features

- Save** **Save Occupancy sensor**  
The Occupancy sensor detects the movement of people in the room and determines whether to switch to energy saving operation.
- Save+Stop** **Occupancy sensor control**  
The Occupancy sensor (option) detects movement of people in the room and decides whether to save energy or stop the unit.
- Economy** **Economy operation**  
The thermostat setting is adjusted automatically according to the room temperature to avoid unnecessary cooling or heating.
- Set Temp.** **Setting temperature range limitation**  
Sets the minimum and maximum limits on room temperature to establish the right balance between energy saving and a comfortable environment.
- Return** **Set temperature auto return**  
The setting temperature automatically returns to the previously set temperature.

## Features for Comfort

- Diffuser** **Power diffuser**  
An additional louver that opens based on input from monitoring sensors to quickly enhance immediate comfort needs.
- Low Noise** **Outdoor unit low noise operation**  
The noise level of the outdoor unit can be selected.
- Auto Changeover** **Powerful operation**  
Operation at maximum air flow and compressor speed, that quickly makes the room comfortable.
- Double** **Double swing automatic**  
Complex swing action of the louver enables automatic swing in both the left/right and up/down directions.
- Auto Changeover** **Auto changeover**  
The unit automatically switches between heating and cooling modes based on the temperature setting and the room temperature.
- Adjust** **Automatic fan speed**  
A micro-computer automatically adjusts the airflow to follow the changes in room temperature.
- Duct** **Connectable fresh air duct**  
Outside air can be introduced by attaching a locally purchased duct to the fresh air knockout and an optional part.
- Intake** **Fresh air intake**  
Fresh air can be taken in by a fan connected to an external control unit.
- Individual** **Individual airflow direction control**  
Each louver of a 4-way Cassette type can be controlled individually to provide comfortable airflow.
- 10°C HEAT** **10°C Heat**  
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.
- Up/Down** **UP/DOWN swing louver**  
The vertical louver automatically swings up and down.
- Restart** **Auto restart**  
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power supply is restored.
- Distributing** **Connectable distributing duct**  
Locally purchased branch ducts can be attached to the systems to distribute the airflow.

## Convenience Features

- Auto OFF** **Auto-off timer**  
Automatically stops operation when a fixed time has elapsed from the start of operation.
- Sleep** **Sleep timer**  
A micro-computer gradually changes the room temperature automatically to promote a comfortable night's sleep.
- Program** **Program timer**  
This digital timer allows selection of one of four options: ON, OFF, ON + OFF, or OFF + ON.
- Weekly** **Weekly timer**  
Different ON-OFF times can be set for each day.
- +Setback** **Weekly & Temperature setback timer**  
Weekly & Temperature setback timer can set the temperature for 2-time spans and for each day of the week.
- Filter** **Filter sign**  
Indicates the filter cleaning period by blinking.
- Error** **External error output**
- On/Off** **External ON/OFF input**
- LAN** **Wireless LAN control**  
The optional WLAN adapter enables the air conditioner to be operated by smartphone or tablet PC from outside the home.
- Multi Control** **Multi System Control**  
Operation using "Lead Lag Operation", "Back up operation", "Lag Operation" is possible. (Page C-011)
- Special Cooling** **Special Cooling**  
Special Cooling" is a function that supports the operation of "Multi System Control".

## Clean Features

- ION** **Ion deodorization filter**  
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by an ultra-fine-particle ceramic.
- AF** **Apple-catechin filter**  
The Apple-catechin filter uses static electricity to clean fine particles and dust from the air.
- Washable** **Washable panel**  
Since the front panel is easy to remove, maintenance is also easy.
- Silver Ion** **Silver Ion Filter**  
The Silver ion filter helps to keep indoor air free from viruses, bacteria and molds.

## Installation / Support

- Adjust** **Automatic airflow adjustment**  
Automatically detects required airflow in each application case and adjusts the volume.
- Drain Pump** **Drain pump as standard**
- Refrigerant Cycle** **Refrigerant cycle monitor**  
The values of each sensor and actuator can be displayed, and the status of the refrigeration cycle can be checked.
- Blue Fin** **Blue fin**

**ALL DC** All DC models

# Wall-mounted type

Built-in W-LAN adapter model  
Designer Series  
Cool Beauty Design



## Cool beauty design

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

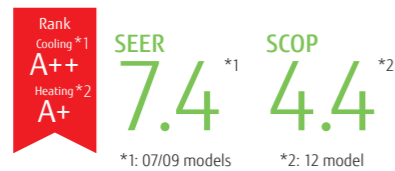


### CMF: COLOR MATERIAL FINISH

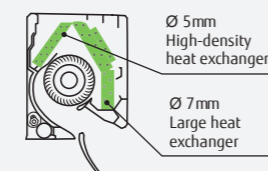
The texture of the front panel expresses the craftsmanship of Europe, and changes its expression with the changing light of the day.

## High energy saving

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



### Hybrid-heat exchanger



### Ø107 Large cross-flow fan



## Comfortable airflow & Quiet operation

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

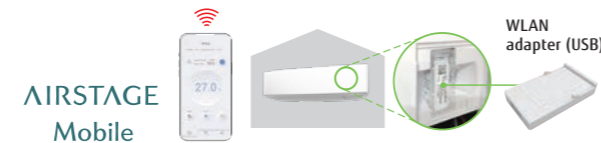


## Smart device control

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

\* For more information about smart device control, please refer to the page C-018.

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



Model: ASYG07KETF / ASYG09KETF / ASYG12KETF / ASYG14KETF (Peal white X White)  
ASYG07KETF-B / ASYG09KETF-B / ASYG12KETF-B / ASYG14KETF-B (Silver X Dark gray)



Peal white X White



Silver X Dark gray



WLAN adapter (Built-in)



Wireless RC



For ASYG07/09/12KETF ASYG07/09/12KETF-B



For ASYG14KETF ASYG14KETF-B

## Specifications

Model name	Indoor unit		ASYG07KETF ASYG07KETF-B	ASYG09KETF ASYG09KETF-B	ASYG12KETF ASYG12KETF-B	ASYG14KETF ASYG14KETF-B
	Outdoor unit		AOYG07KETA	AOYG09KETA	AOYG12KETA	AOYG14KETA
Power Source	Single phase, ~230 V, 50 Hz					
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	kW	0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
	Cooling	W/W	4.43	3.97	3.65	3.44
COP	Heating	W/W	4.52	4.52	4.17	3.83
	Pdesign	Cooling/Heating (-10°C)	kW	2.0/2.3	2.5/2.4	3.4/2.5
SEER	Cooling	W/W	7.40	7.40	7.30	6.90
	Heating (Average)	W/W	4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
	Cooling	kWh/a	95	118	163	213
Annual Energy Consumption	Heating	kWh/a	785	819	795	1,367
	Moisture Removal	l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/46	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	55/58	57/59
Airflow Rate	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
Net Dimensions H x W x D	Indoor/Outdoor (Heating)	High	720/1,450	750/1,450	770/1,470	800/1,580
	Indoor	mm	295 × 950 (wall side: 840) × 230			
Weight	Outdoor	mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
	Indoor	kg	11	11	11	11
Connection Pipe Diameter (Liquid/Gas)	Outdoor	kg	23	23	25	31
	Indoor	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain Hose Diameter (I.D./O.D.)	Indoor	mm	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8
	Max. Pipe Length (Pre-Charge)	m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference	Max. Height Difference	m	15	15	15	15
	Operating Range	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Refrigerant	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Heating	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

## Optional parts

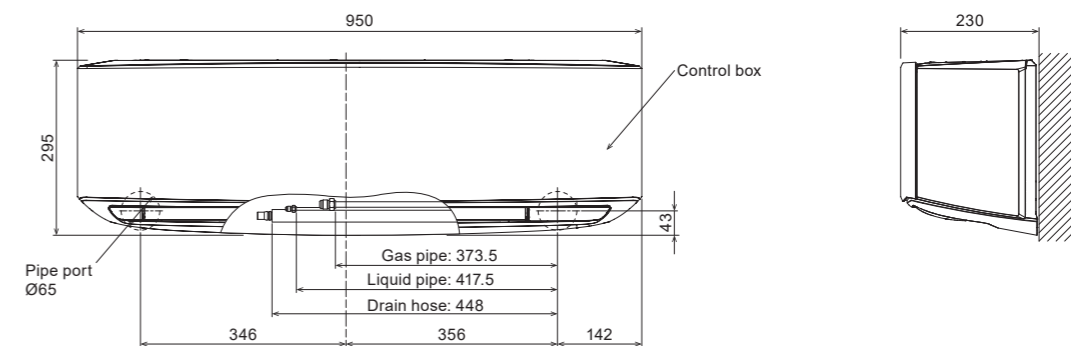
\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

Compact wired remote controller:	UTY-RCRYZ1	Communication kit:	UTY-TWRXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5	External input and output PCB*1:	UTY-XCSXZ2	Network Converter for single split (AC power supply type):	UTY-VTGVV
Wired remote controller:	UTY-RLRY	External connect kit:	UTY-XWZX	Silver Ion filter:	UTR-FAT6-5
Simple remote controller (without operation mode):	UTY-RHRY		UTY-XWZXZ5		
Simple remote controller:	UTY-RSRY	External switch controller:	UTY-TERX		

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

## Dimensions

(Unit: mm)



# Wall-mounted type

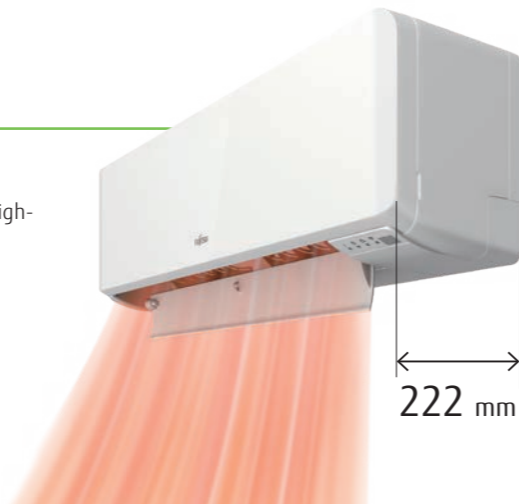
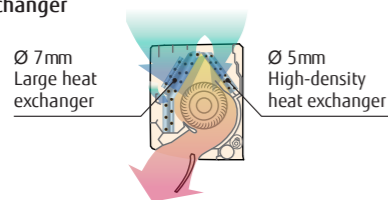
Built-in W-LAN adapter model  
Standard Series  
High-Efficiency & Comfort



## Slim & stylish square design

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

### Hybrid-heat exchanger



## High energy saving

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

Rank Cooling A++ Heating A+

SEER 7.4 \*1 SCOP 4.4 \*2

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

## Comfortable airflow & Quiet operation

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



## Smart device control

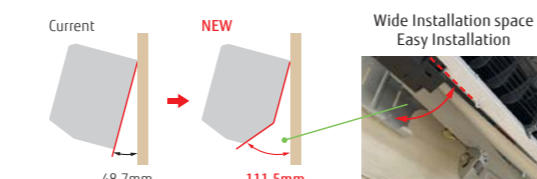
With the WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

\* For more information about smart device control, please refer to the page C-018.



## Easy access to the flare pipe connection

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



Model: ASYG07KMCF / ASYG09KMCF / ASYG12KMCF / ASYG14KMCF



## Specifications

Model name	Indoor unit		ASYG07KMCF	ASYG09KMCF	ASYG12KMCF	ASYG14KMCF
	Outdoor unit		AOYG07KMCC	AOYG09KMCC	AOYG12KMCC	AOYG14KMCC
Power Source	Single phase, ~230 V, 50 Hz					
Capacity	Cooling	kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)
	Heating	kW	2.5 (0.9-3.4)	2.8 (0.9-4.0)	4.0 (0.9-5.3)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
	Cooling	W/W	4.43	3.97	3.65	3.44
EER	Heating		4.52	4.52	4.17	3.83
	Cooling/Heating (-10°C)	kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		7.40	7.40	7.30	6.90
	Heating (Average)		4.10	4.10	4.40	4.10
SCOP	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
	Cooling	kWh/a	95	118	163	213
Annual Energy Consumption	Heating		785	819	795	1,366
	Moisture Removal		l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/46	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	55/58	57/59
Airflow Rate	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
Net Dimensions H x W x D	Indoor	mm	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222
	Outdoor	mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
Weight	Indoor	kg	10	10	10	10
	Outdoor	kg	22	22	24	31
Connection Pipe Diameter (Liquid/Gas)	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain Hose Diameter (I.D./O.D.)	mm		13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)	m		20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference	m		15	15	15	15
	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Operating Range	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Refrigerant Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
Refrigerant Charge	kg (CO2eq-T)		0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

## Optional parts

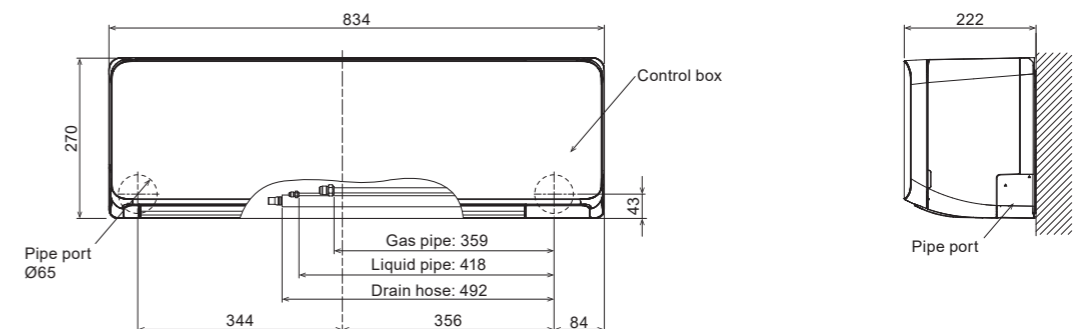
\* For optional parts compatibility of Inetis devices, refer to the optional parts compatibility list Page C-048.

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

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

## Dimensions

(Unit: mm)





# Wall-mounted type

## Standard Series

High-Efficiency & Large Rooms



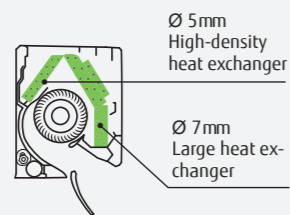
### High energy saving

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

Rank **A++**  
**SEER 7.8**  
**SCOP 4.6**  
\*18 model

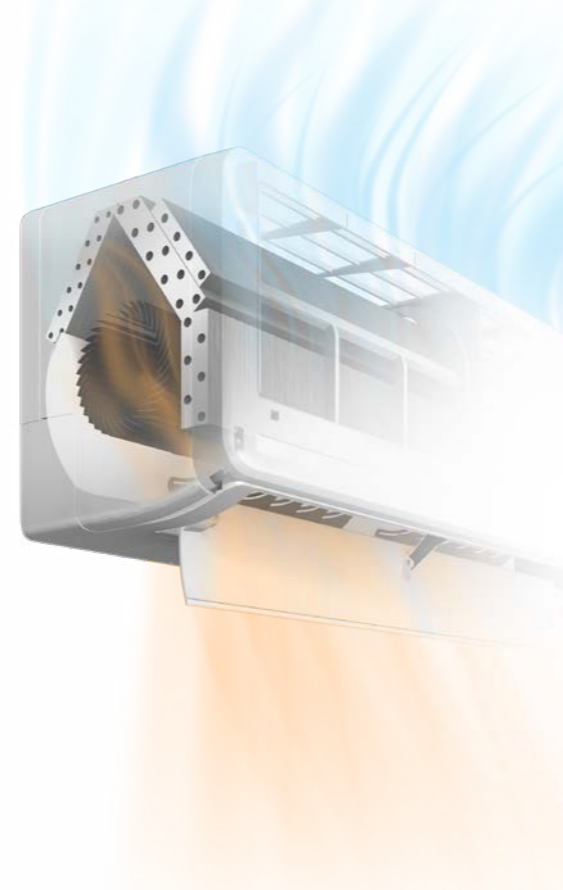
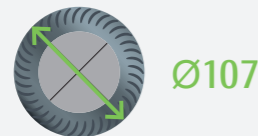
#### Hybrid-heat exchanger

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



#### Ø107 Large cross-flow fan

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

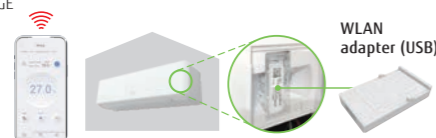


### Smart device control (Option)

With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device. WLAN adapter can be installed easily without specialized installation work.

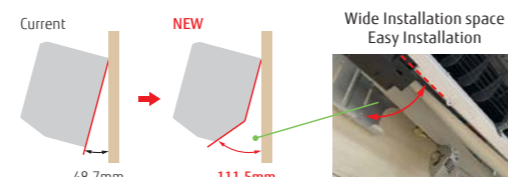
\* For more information about smart device control, please refer to the page C-018.

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



### Easy access to the flare pipe connection

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



Model: ASYG18KMTE / ASYG24KMTE



For ASYG18KMTE

For ASYG24KMTE

### Specifications

Model name	Indoor unit		Outdoor unit		ASYG18KMTE		ASYG24KMTE	
	AOYG18KMTE		AOYG24KMTE		AOYG18KMTE		AOYG24KMTE	
Power Source	Single phase, ~230 V, 50 Hz							
Capacity	Cooling	kW	5.2 (0.9-6.0)		7.1 (0.9-8.3)			
	Heating	kW	6.3 (0.9-8.7)		8.0 (0.9-10.1)			
Input Power	Cooling/Heating		1.39/1.56		2.08/1.91			
	Cooling	W/W	3.74		3.41			
COP	Heating		4.04		4.19			
	Cooling/Heating (-10°C)	kW	5.2/4.8		7.1/7.1			
SEER	Cooling		7.77		7.30			
	Heating (Average)		4.60		4.20			
Energy Efficiency Class	Cooling		A++		A++			
	Heating (Average)		A++		A+			
Max. Operating Current	Cooling/Heating		A		13.5/16.0			
	Cooling	kWh/a	234		340			
Annual Energy Consumption	Heating		1,460		2,362			
	Moisture Removal		l/h		2.7			
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	45/40/35/29		49/40/35/29			
	Indoor (Heating)	H/M/L/Q	46/40/35/29		49/40/35/29			
	Outdoor (Cooling/Heating)	High	50/50		54/52			
Sound Power Level	Indoor (Cooling/Heating)	High	60/61		65/65			
	Outdoor (Cooling/Heating)	High	65/65		67/66			
	Airflow Rate	Indoor/Outdoor (Cooling)	High	980/2,350		1,170/3,240		
Net Dimensions H x W x D	Indoor		mm		280 x 980 x 240		280 x 980 x 240	
	Outdoor		mm		632 x 799 x 290		716 x 820 x 315	
Weight	Indoor		kg		12.5		12.5	
	Outdoor		kg		36		42	
Connection Pipe Diameter (Liquid/Gas)			mm		6.35/12.70		6.35/12.70	
Drain Hose Diameter (I.D./O.D.)			mm		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			m		20		25	
Operating Range	Cooling		°CDB		-10 to 46		-10 to 46	
	Heating		°CDB		-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)		R32 (675)		R32 (675)		R32 (675)	
	Charge		kg (CO2eq-T)		1.02 (0.689)		1.32 (0.891)	

### Optional parts

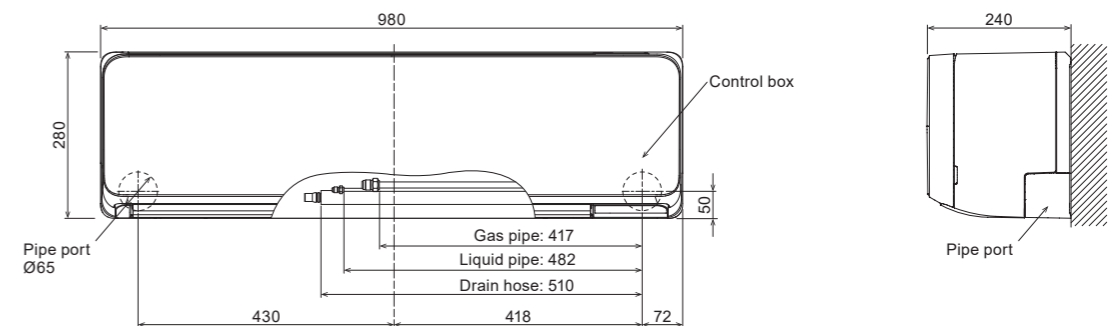
\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

Compact wired remote controller:	UTY-RCRYZ1	Communication kit:	UTY-TWRXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5	External input and output PCB*1:	UTY-XCSXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY	WLAN adapter:	UTY-TFSXF2	Silver Ion filter:	UTR-FA16-5
Simple remote controller (without operation mode):	UTY-RHRY		UTY-TFSXH3	External switch controller:	UTY-TERX
Simple remote controller:	UTY-RSRY		FG-AC-WIF1Z1	External connect kit:	UTY-XWZXS5

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

### Dimensions

(Unit: mm)



Wall-mounted type  
ECO Series  
Compact Size



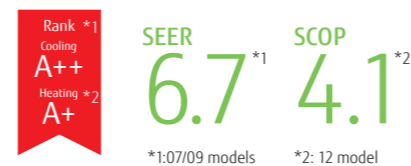
Slim & stylish square design

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



High energy saving

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



Comfortable airflow & Quiet operation

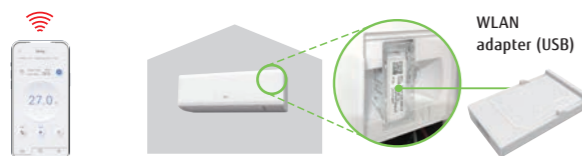
The large louver and the new air-blowing structure create a comfortable air flow that spreads all the way down to the user's feet with quiet operation.



Smart device control (Option)

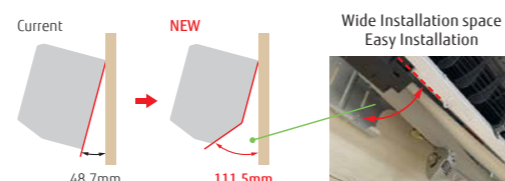
With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device. WLAN adapter can be installed easily without specialized installation work.

\* For more information about smart device control, please refer to the page C-018.



Easy access to the flare pipe connection

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



Model: ASYG07KPCE / ASYG09KPCE / ASYG12KPCE



Specifications

Model name	Indoor unit		ASYG07KPCE	ASYG09KPCE	ASYG12KPCE
	Outdoor unit		AOYG07KPCA	AOYG09KPCA	AOYG12KPCA
Power Source	Single phase, ~230 V, 50 Hz				
Capacity	Cooling	kW	2.0 (0.9-2.8)	2.5 (0.9-3.0)	3.4 (0.9-3.7)
	Heating	kW	2.5 (0.9-3.4)	2.8 (0.9-3.8)	3.8 (0.9-4.8)
Input Power	Cooling/Heating		0.48/0.63	0.71/0.79	1.00/1.14
	Cooling	W/W	4.17	3.52	3.40
EER	Cooling		4.17	3.52	3.40
	Heating		3.97	3.54	3.33
Pdesign	Cooling/Heating (-10°C)		2.0/2.2	2.5/2.4	3.4/2.5
	Cooling	W/W	6.70	6.70	6.30
SEER	Cooling		6.70	6.70	6.30
	Heating (Average)		4.00	4.00	4.10
SCOP	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0
	Cooling	kWh/a	104	131	189
Annual Energy Consumption	Cooling		104	131	189
	Heating		769	840	853
Moisture Removal	Cooling		1.0	1.3	1.8
	Heating		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	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	270 x 784 x 224	270 x 784 x 224	270 x 784 x 224
	Outdoor	mm	541 x 663 x 290	541 x 663 x 290	541 x 663 x 290
Weight	Indoor	kg	8	8	8
	Outdoor	kg	23	23	25
Connection Pipe Diameter (Liquid/Gas)			6.35/9.52	6.35/9.52	6.35/9.52
Drain Hose Diameter (I.D./O.D.)			11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)			20 (15)	20 (15)	20 (15)
Max. Height Difference			15	15	15
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.55 (0.371)	0.55 (0.371)	0.59 (0.398)

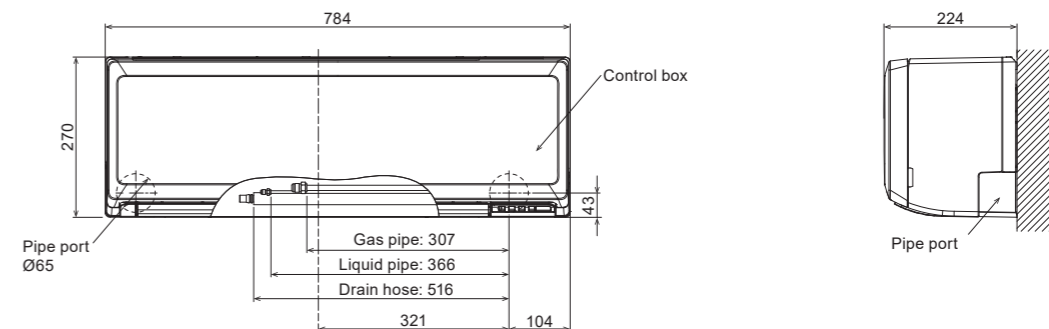
Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

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

Dimensions

(Unit: mm)



# Wall-mounted type

## ECO Series

Comfort for Large Rooms



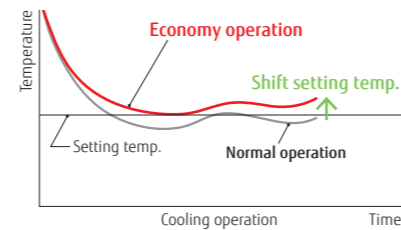
### Narrow width & Compact design

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



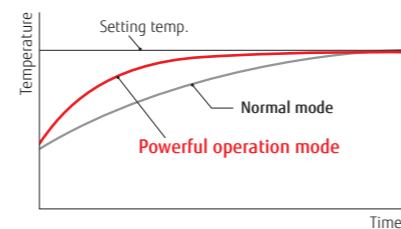
### Economy operation

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



### Powerful operation

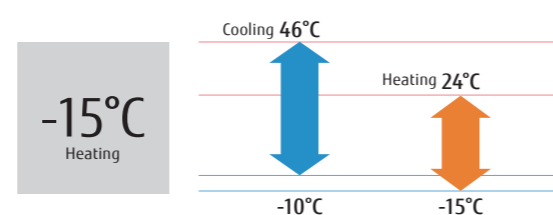
In powerful operation mode, the compressor operates at maximum speed for 20 minutes to provide a powerful airflow. Rapid cooling and heating makes the room comfortable quickly.



### ON-OFF programmable timer

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

### Low ambient operation



Model: ASYG18KLCA / ASYG24KLCA



For ASYG18KLCA

For ASYG24KLCA

### Specifications

Model name	Indoor unit		Outdoor unit		ASYG18KLCA	ASYG24KLCA	
	AOYG18KLCA		AOYG24KLCA				
Power Source	Single phase, ~230 V, 50 Hz						
Capacity	Cooling	kW			5.2 (0.9-5.5)	7.1 (0.9-7.7)	
	Heating	kW			6.3 (0.6-7.6)	8.0 (0.9-9.0)	
Input Power	Cooling/Heating		kW			1.685/1.80	2.42/2.225
	Cooling				3.09	2.93	
EER	Cooling		W/W			3.50	3.60
	Heating		W/W			5.20/4.80	7.10/7.10
Pdesign	Cooling/Heating (-10°C)		kW			7.20	7.10
SEER	Cooling		W/W			4.30	4.00
SCOP	Heating (Average)		W/W			A++	A++
Energy Efficiency Class	Cooling					A+	A+
	Heating (Average)					9.5/13.5	13.5/17.5
Max. Operating Current	Cooling/Heating		A			253	350
Annual Energy Consumption	Cooling		kWh/a			1563	2485
	Heating		kWh/a			1.9	3.1
Moisture Removal	Cooling		l/h			47/44/40/35	51/45/38/33
	Heating		l/h			50/45/41/37	52/45/41/37
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)			50/56	55/57
	Indoor (Heating)	H/M/L/Q				60/65	64/65
Sound Power Level	Outdoor (Cooling/Heating)	High	dB(A)			61/66	65/67
	Indoor (Cooling/Heating)	High				865/1,830	1,040/2,885
Airflow Rate	Outdoor (Cooling/Heating)	High	m³/h			995/2,265	1,040/3,030
	Indoor/Outdoor (Cooling)	High				293 × 790 × 249	293 × 790 × 249
Net Dimensions H x W x D	Indoor		mm			542 × 799 × 290	632 × 799 × 290
	Outdoor		mm			9.5	10.0
Weight	Indoor		kg			33	38
	Outdoor		kg			6.35/9.52	6.35/12.70
Connection Pipe Diameter (Liquid/Gas)			mm			13.8/15.8 to 16.7	13.8/15.8 to 16.7
Drain Hose Diameter (I.D./O.D.)			mm			25 (15)	30 (15)
Max. Pipe Length (Pre-Charge)			m			20	25
Max. Height Difference			m			-10 to 46	-10 to 46
Operating Range	Cooling		°CDB			-15 to 24	-15 to 24
	Heating		°CDB			R32 (675)	R32 (675)
Refrigerant Charge	Type (Global Warming Potential)					0.85 (0.574)	1.10 (0.743)
	Charge		kg (CO2eq-T)				

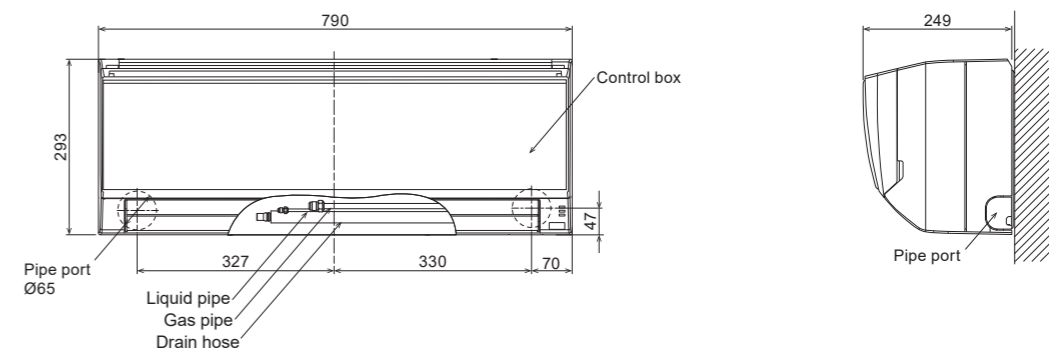
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

Silver Ion Filter: UTR-FA16-5

### Dimensions

(Unit: mm)



# Compact Cassette

## Compact 4-way Flow Series

Compact Size



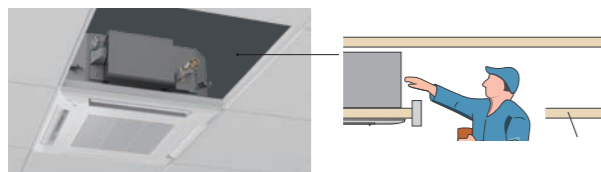
### Compact and stylish panel design

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



### Easy maintenance

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



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



### Flexible installation

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



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

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



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



### Specifications

Model name	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB
Power Source	Single phase, ~230 V, 50 Hz							
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	kW	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
	Cooling	W/W	4.57	3.76	3.36	3.25	3.30	3.08
EER	Heating	W/W	4.05	3.80	3.79	3.61	3.74	3.69
	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
	Heating (Average)	W/W	4.40	4.30	4.40	4.20	4.30	4.00
SCOP	Cooling		A++	A++	A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6
	Cooling	kWh/a	131	186	231	275	318	390
Annual Energy Consumption	Heating	kWh/a	826	1,106	1,208	1,466	1,562	2,097
	Moisture Removal	l/h	0.6	1.2	1.5	2.2	2.6	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/31/29/27	37/34/30/27	38/34/30/27	38/34/30/26	44/42/36/30	49/44/36/30
	Indoor (Heating)	H/M/L/Q	34/32/29/27	37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33	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 x W x 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	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
Weight	Outdoor	mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315
	Indoor	kg	15	15	15	15	16	16
Connection Pipe Diameter (Liquid/Gas)	Outdoor	kg	32	33	33	36	38	42
	Indoor	kg	15	15	15	15	16	16
Drain Hose Diameter (I.D./O.D.)	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70	6.35/12.70	
Max. Pipe Length (Pre-Charge)	m	25/32	25/32	25/32	25/32	25/32	25/32	
Max. Height Difference	Cooling	m	20 (15)	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)
	Heating	m	15	20	20	20	25	25
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)
Cassette Grille	Model name		UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W
	Dimensions (H × W × D)	mm	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620
Weight	kg	2.3	2.3	2.3	2.3	2.3	2.3	

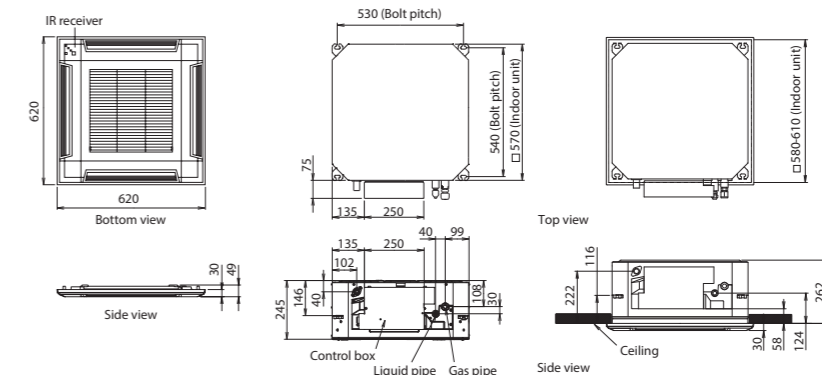
### Optional parts

\* For optional parts compatibility of Inesis devices, refer to the optional parts compatibility list Page C-048.

Compact wired remote controller: UTY-RCRYZ1	External switch controller: UTY-TERX	Network Converter for single split (DC power supply type): UTY-VTGX
Wired remote controller (touch panel): UTY-RNRYZ5	WLAN adapter: UTY-TFSXZ1	Network Converter for single split (AC power supply type): UTY-VTGXV
Wired remote controller: UTY-RLRY	FG-RC-WIF1Z2	Insulation kit for high humidity: UTZ-KXGC
UTY-RNNYM	UTY-TFSXJ3	External input and output PCB: UTY-XCSX
UTY-RVNYM	FG-AC-WIF1Z1	External input and output PCB box: UTZ-GXRA
UTY-RHRY	Air Outlet Shutter Plate: UTR-YDZB	Silver Ion Filter: UTD-HFAA
Simple remote controller (without operation mode): UTY-RSRY	External connect kit: UTY-XWZXZG	
Simple remote controller: UTY-RSNYM	Cassette Grille: UTG-UFYF-W	
Wireless remote controller: UTY-LNTY	Fresh air intake kit: UTZ-VXAA	

### Dimensions

(Unit: mm)



# Cassette

## Circular Flow Series

Comfort for Large Rooms



### Unique circular flow design

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



Airflows avoid blowing cool air directly at the occupants in the room, providing more comfortable air conditioning. Provides efficient air conditioning based on the room layout.

### Individual louver control

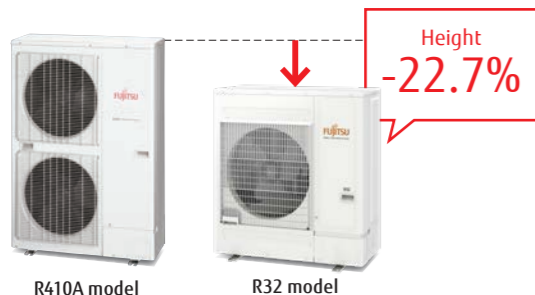
Each louver can be controlled individually with a wired remote controller equipped with a touch panel to provide different directional airflows according to the room layout.

\*Wired remote controller (touch panel) (UTY-RNRYZ3) only

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

### Compact and lightweight outdoor unit

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



### Various cassette grilles

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



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



### Specifications

Model name	Indoor unit								Outdoor unit			
	AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB		
Power Source	Single phase, ~230 V, 50 Hz								3-phase, ~400 V, 50 Hz			
Capacity	Cooling 6.0 (0.9-7.5)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)		
Input Power	Cooling/Heating	1.36/1.58	1.71/1.82	1.89/1.90	2.44/2.51	2.91/2.45	3.61/3.21	4.41/4.16	2.91/2.45	3.61/3.21	4.41/4.16	
EER	Cooling	3.82	3.51	3.60	3.49	3.26	3.35	3.04	3.26	3.35	3.04	
COP	Heating	3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73	
Pdesign	Cooling/Heating (-10°C)	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-	
SEER	Cooling	7.00	7.00	6.60	6.70	6.55	-	-	6.55	-	-	
SCOP	Heating (Average)	4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-	
Energy Efficiency Class	Cooling	A++	A++	A++	A++	A++	-	-	A++	-	-	
	Heating (Average)	A+	A+	A+	A+	A+	-	-	A+	-	-	
Max. Operating Current	Cooling/Heating	A	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	28.5/28.5	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0	
Annual Energy Consumption	Cooling	kWh/a	260	300	360	444	507	-	507	-	-	
	Heating	1,431	1,527	1,999	2,601	2,828	-	-	2,828	-	-	
Moisture Removal		l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	57/59	58/58	60/60	61/61
Sound Power Level	Indoor (Cooling/Heating)	High	47/47	49/49	49/49	54/54	58/58	60/60	61/61	58/58	60/60	61/61
	Outdoor (Cooling/Heating)	High	62/62	63/63	65/66	68/69	70/70	71/71	73/73	70/70	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	1,050/2,160	1,050/2,240	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
	Indoor/Outdoor (Heating)	High	1,050/1,830	1,050/1,960	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
Net Dimensions	Indoor	mm	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
	Outdoor	mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg	23	23	24	26	29	29	29	29	29	29
	Outdoor	kg	36	38	42	52	52	67	67	53	67	67
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/12.70	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		m	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference			20	25	25	30	30	30	30	30	30	30
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)
Cassette Grille	Variation		UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*1: Black						UTG-UKYA-W: White wired remote controller (touch panel) UTG-UKYC-W: White/UTG-UKYA-B*1: Black			
	Dimensions (H × W × D)	mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight	kg	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

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

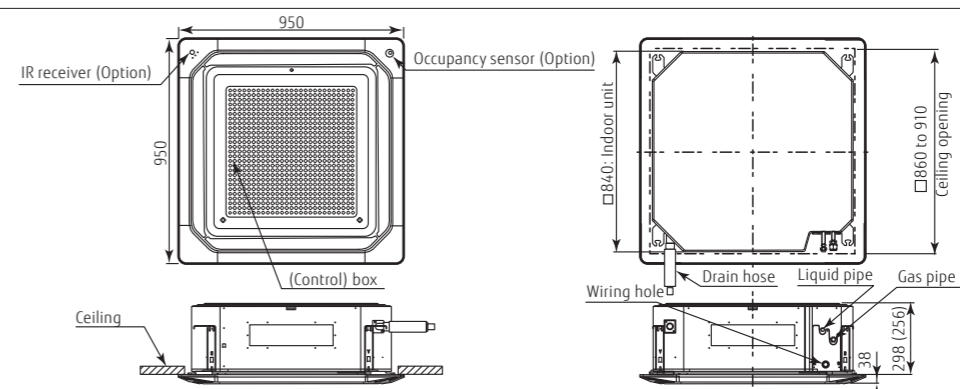
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

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

### Dimensions

(Unit: mm)



( ): AUXG18/22/24KRLB

## Slim Duct

Slim Design



### Slim design

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



### Compact and lightweight outdoor unit

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



### Wide range of static pressures

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



Static pressure range  
0 to 90 Pa

### Auto louver grille kit (Option)

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



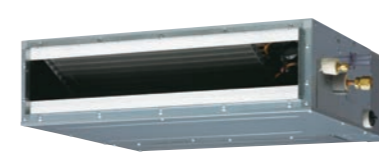
### Link up with a variety of central control system (Option)

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

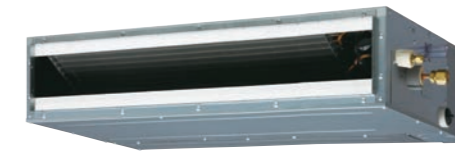


Central Control System

Model: ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP



ARXG09/12/14KLLAP



ARXG18KLLAP



For ARXG09/12/14KLLAP For ARXG18KLLAP

### Specifications

Model name	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB
Power Source	Single phase, ~230 V, 50 Hz					
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
	Heating		4.05	3.80	3.79	3.70
COP	Cooling	W/W	4.17	3.76	3.36	3.35
	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
	Heating		4.30	4.00	3.90	4.10
SCOP	Cooling	W/W	4.30	4.00	3.90	4.10
	Heating		4.30	4.00	3.90	4.10
Energy Efficiency Class	Cooling	W/W	A++	A++	A+	A++
	Heating		A+	A+	A	A+
Max. Operating Current	Cooling/Heating	A	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1
	Cooling		141	201	259	293
Annual Energy Consumption	Cooling	kWh/a	845	1,189	1,362	1,501
	Heating		0.7	1.3	1.5	2.0
Moisture Removal	Indoor (Cooling)	l/h	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)		28/26/25/24	29/28/26/24	32/30/28/25	32/30/29/27
Sound Pressure Level	Outdoor (Cooling/Heating)	dB(A)	46/46	47/47	49/49	50/50
	Indoor (Cooling/Heating)		57/57	58/58	60/60	58/58
Sound Power Level	Outdoor (Cooling/Heating)	dB(A)	59/59	61/61	62/62	62/62
	Indoor (Cooling/Heating)		600/1,480	650/1,580	800/1,670	940/2,160
Airflow Rate	Indoor/Outdoor (Cooling)	m³/h	600/1,410	650/1,520	800/1,580	940/1,830
	Indoor/Outdoor (Heating)		0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Static pressure range (Standard)	Pa					
Net Dimensions H x W x D	Indoor	mm	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620
	Outdoor		542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290
Weight	Indoor	kg	17	17	17	20
	Outdoor		32	33	33	36
Connection Pipe Diameter (Liquid/Gas)	mm					
Drain Hose Diameter (I.D./O.D.)	mm					
Max. Pipe Length (Pre-Charge)	m					
Max. Height Difference	m					
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	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)

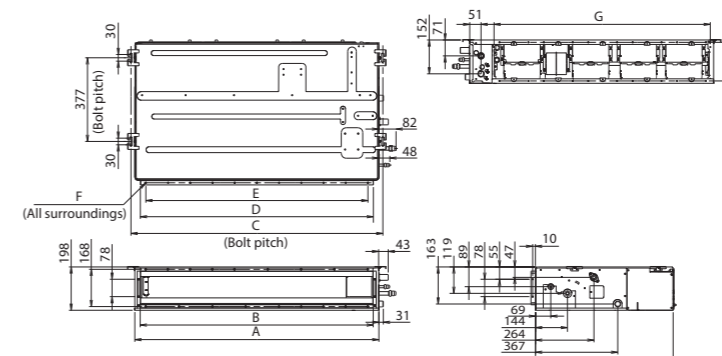
### Optional parts

\* For optional parts compatibility of Inesis devices, refer to the optional parts compatibility list Page C-048.

Compact wired remote controller:	UTY-RCRYZ1	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5		FG-RC-WIF122	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY		UTY-TFSXJ3	External connect kit:	UTY-XWZXZG
	UTY-RNNYM		FG-AC-WIF121	Remote sensor unit:	UTY-XSZXZ1
	UTY-RVNYM	Silver Ion Filter:	UTD-HFTA (09-14)	IR receiver unit:	UTY-LBTYM
	UTY-RHRY		UTD-HFTB (18)	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RSRY	Auto Louver Grille Kit:	UTD-GXTA-W (09-14)		
Simple remote controller:	UTY-RSNYM		UTD-GXTB-W (18)		

### Dimensions

(Unit: mm)



	ARXG09/12/14KLLAP	ARXG18KLLAP
A	700	900
B	650	850
C	734	934
D	650	850
E	P100 × 6 = 600	P100 × 8 = 800
F	18 × Ø5	22 × Ø5
G	574	774

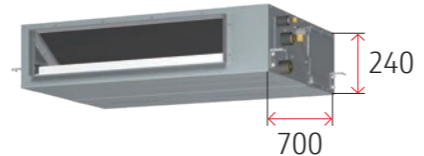
# Medium Static Pressure Duct

High-Efficiency & Comfort



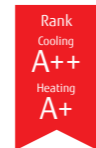
## Slim & Compact design

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



## High energy saving

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



SEER **6.50**\*1  
 SCOP **4.20**\*2

\*1: 22 model  
 \*2: 22/24 models

## Easy maintenance

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



## Drain hose as standard

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

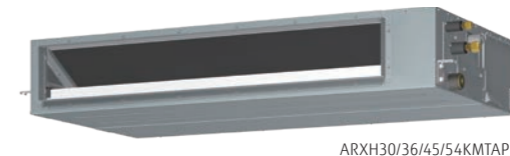
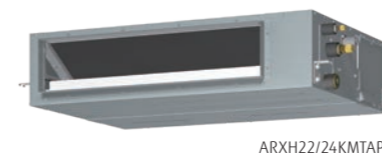


## Wide range of static pressures

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

Static pressure range  
**30 to 150 Pa**

Model: ARXH22KMTAP / ARXH24KMTAP / ARXH30KMTAP / ARXH36KMTAP / ARXH45KMTAP / ARXH54KMTAP  
 ARXH36KMTAP [3-phase] / ARXH45KMTAP [3-phase] / ARXH54KMTAP [3-phase]



## Specifications

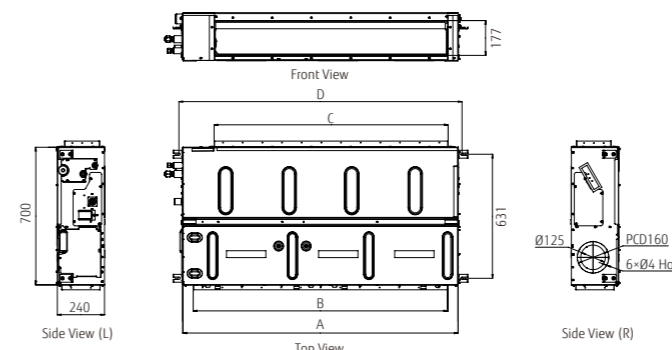
Model name	Indoor unit					Outdoor unit							
	ARXH22KMTAP	ARXH24KMTAP	ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
Power Source	Single phase, ~230 V, 50 Hz					3-phase, ~400 V, 50 Hz							
Capacity	Cooling	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-13.5)	9.5 (2.8-11.2)	12.1 (4.0-13.5)	13.4 (4.5-14.5)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)	
Input Power	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 (4.2-16.2)							
EER	Cooling/Heating	1.67 / 1.84	1.89 / 1.87	2.57 / 2.50	2.97 / 2.70	3.87 / 3.73	2.97 / 2.70	3.87 / 3.73	4.62 / 4.65	2.97 / 2.70	3.87 / 3.73	4.62 / 4.65	
COP	Cooling	3.60	3.60	3.31	3.20	3.13	3.20	3.13	2.90	4.00	3.62	3.33	
Pdesign	Heating	3.80	4.01	4.00	4.00	3.62	4.00	3.62	3.33				
SEER	Cooling/Heating (-10°C)	6.0 / 4.8	6.8 / 6.0	8.5 / 8.0	9.5 / 8.7	-	9.5 / 8.7	-	-	6.10	-	-	
SCOP	Cooling	6.50	6.40	6.23	6.10	-	6.10	-	-	4.10	-	-	
Energy Efficiency Class	Heating (Average)	4.20	4.20	4.00	4.10	-	4.10	-	-	A+	-	-	
Max. Operating Current	Cooling	A++	A++	A++	A++	-	A++	-	-	A+	-	-	
Annual Energy Consumption	Heating (Average)	A	A	A	A	-	A	-	-	A	-	-	
Moisture Removal	Cooling/Heating	12.6 / 12.6	13.6 / 13.6	22.6 / 22.6	22.6 / 22.6	28.5 / 28.5	10.5 / 10.5	14.0 / 14.0	14.0 / 14.0				
Sound Pressure Level	Cooling	331	380	485	553	-	553	-	-	2,970	-	-	
Sound Power Level	Heating	1,598	1,999	2,795	2,970	-	2,970	-	-				
Airflow Rate	Cooling	1.5	2.2	1.8	2.0	4.0	2.0	4.0	5.0				
Static pressure range (Standard)	Heating	1.5	2.2	1.8	2.0	4.0	2.0	4.0	5.0				
Net Dimensions	Indoor (Cooling)	32 / 28 / 25 / 24	34 / 30 / 28 / 26	38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29	40 / 36 / 32 / 29	40 / 36 / 32 / 29
H x W x D	Indoor (Heating)	32 / 28 / 25 / 24	34 / 30 / 28 / 26	38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29	40 / 36 / 32 / 29	40 / 36 / 32 / 29
Weight	Outdoor (Cooling/Heating)	51 / 51	53 / 54	53 / 55	55 / 55	57 / 57	55 / 55	57 / 57	57 / 59	55 / 55	57 / 57	57 / 59	
Connection Pipe Diameter (Liquid/Gas)	Indoor (Cooling/Heating)	58 / 58	60 / 60	64 / 64	65 / 65	67 / 67	65 / 65	67 / 67	67 / 67	65 / 65	67 / 67	67 / 67	
Drain Hose Diameter (I.D./O.D.)	Outdoor (Cooling/Heating)	63 / 63	65 / 66	68 / 69	70 / 70	71 / 71	70 / 70	71 / 71	73 / 73	70 / 70	71 / 71	73 / 73	
Max. Pipe Length (Pre-Charge)	Indoor/Outdoor (Cooling)	1,150 / 2,240	1,230 / 2,700	1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450	2,160 / 4,450	
Max. Height Difference	Indoor/Outdoor (Heating)	1,150 / 1,960	1,230 / 2,700	1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450	2,160 / 4,450	
Operating Range	Standard	30 to 150 (40)	30 to 150 (50)	30 to 150 (50)	30 to 150 (50)	30 to 150 (60)	30 to 150 (50)	30 to 150 (60)	30 to 150 (60)	30 to 150 (50)	30 to 150 (60)	30 to 150 (60)	
Refrigerant	Indoor	240 × 1,000 × 700	240 × 1,000 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	
Charge	Outdoor	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	
Weight	Indoor	31	31	42	42	42	42	42	42	42	42	42	
Connection Pipe Diameter (Liquid/Gas)	Outdoor	38	42	52	52	67	52	67	67	53	67	67	
Drain Hose Diameter (I.D./O.D.)	Indoor	6.35 / 12.70	6.35 / 12.70	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	
Max. Pipe Length (Pre-Charge)	Outdoor	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	
Max. Height Difference	Indoor	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	
Operating Range	Outdoor	25	25	30	30	30	30	30	30	30	30	30	
Refrigerant	Cooling	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
Charge	Heating	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
Charge	kg (CO2eq-T)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	

## Optional parts

Compact wired remote controller:	UTY-RCRYZ1	Silver ion filter:	UTD-HFNB (22/24)	External input and output PCB:	UTY-XCSX
Wired remote controller (touch panel):	UTY-RNRYZ5	Long-life filter:	UTD-HFNA (30/36/45/54)	External input and output PCB bracket:	UTZ-GXDA
Simple remote controller:	UTY-RLRY	MODBUS converter:	UTD-LFDB (22/24)	Network Converter for single split (DC power supply type):	UTY-VTGX
Simple remote controller (without operation mode):	UTY-RHRY	KNX converter:	UTD-LFDA (30/36/45/54)	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple remote controller:	UTY-RSRY	WLAN adapter:	UTY-VMSX	(Outdoor unit 30/36/45/54)	
IR receiver unit:	UTY-LBTYM	External connect kit:	UTY-VKXS	External connect kit:	UTY-XWZXZ3
Remote sensor unit:	UTY-XSZX		UTY-TFSXZ1		
	UTY-XSZXZ1		UTY-TFSXJ3		
External switch controller:	UTY-TERX				

## Dimensions

(Unit: mm)



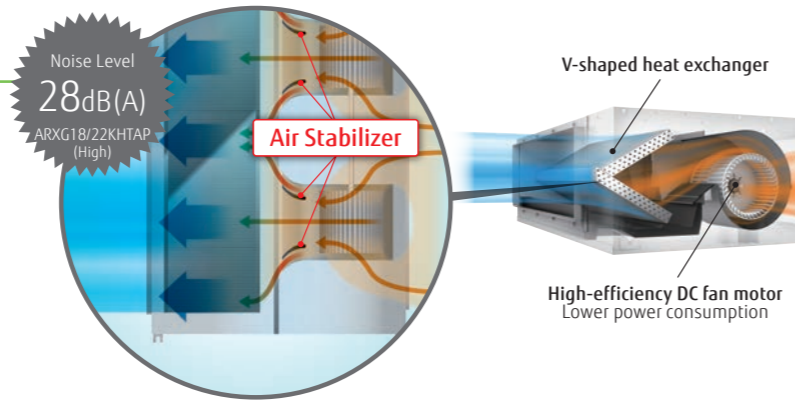
	ARXH22/24KMTAP	ARXH30/36/45/54KMTAP
A	1,000	1,400
B	895	1,295
C	790	1,190
D	1,040	1,440

# Medium Static Pressure Duct Compact Size



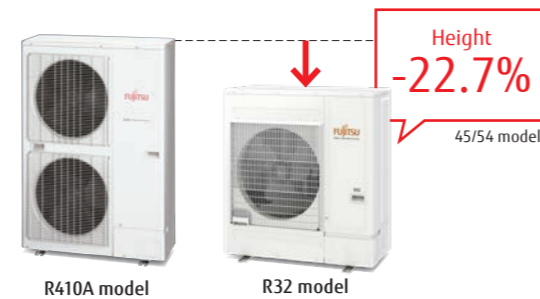
## High-efficiency & Quiet operation

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



## Small, lightweight outdoor unit

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



## Automatic airflow adjustment function

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



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

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



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



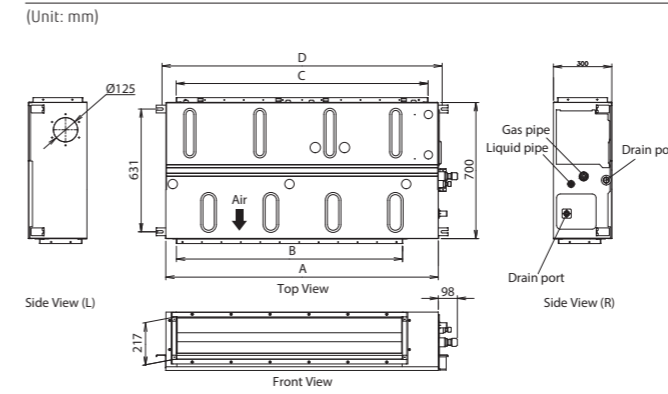
### Specifications

Model name	Indoor unit		Outdoor unit									
	ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTA	ARXG45KHTA	ARXG54KHTA
Power Source	Single phase, ~230 V, 50 Hz										3-phase, ~400 V, 50 Hz	
Capacity	Cooling	kW										
	Heating	kW										
Input Power	Cooling/Heating	kW										
		W/W										
EER	Cooling	W/W										
	Heating	W/W										
COP	Cooling/Heating (-10°C)	kW										
		W/W										
Pdesign	Cooling	kW										
	Heating	kW										
SEER	Cooling	W/W										
	Heating (Average)	W/W										
SCOP	Cooling	A++										
	Heating (Average)	A+										
Max. Operating Current	Cooling/Heating	A										
		kWh/a										
Annual Energy Consumption	Cooling	kWh/a										
	Heating	kWh/a										
Moisture Removal	Cooling	l/h										
	Heating	l/h										
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q										
	Indoor (Heating)	H/M/L/Q										
Sound Power Level	Outdoor (Cooling/Heating)	dB(A)										
		dB(A)										
Airflow Rate	Indoor (Cooling/Heating)	High										
	Indoor/Outdoor (Cooling)	High										
Static pressure range (Standard)	Indoor (Cooling)	Pa										
	Indoor (Heating)	Pa										
Net Dimensions	Indoor	mm										
	Outdoor	mm										
Weight	Indoor	kg										
	Outdoor	kg										
Connection Pipe Diameter (Liquid/Gas)	Indoor	mm										
	Outdoor	mm										
Drain Hose Diameter (I.D./O.D.)	Indoor	mm										
	Outdoor	mm										
Max. Pipe Length (Pre-Charge)	Indoor/Outdoor (Cooling)	m										
	Indoor/Outdoor (Heating)	m										
Max. Height Difference	Cooling	°CDB										
	Heating	°CDB										
Refrigerant	Type (Global Warming Potential)	R32 (675)										
	Charge	kg (CO2eq-T)										

### Optional parts

Compact wired remote controller:	UTY-RCRYZ1	Long-life filter:	UTD-LFNA (36-54)	IR receiver unit:	UTY-LBTYM
Wired remote controller (touch panel):	UTY-RNRYZ5		UTD-LFNB (18-30)	External input and output PCB:	UTY-XCSX
Wired remote controller:	UTY-RLRY		UTD-LFNC (12-14)	External connect kit:	UTY-XWZXZG
	UTY-RNNYM		UTD-HFNC (12/14)	External input and output PCB bracket:	UTZ-GXNA
	UTY-RVNYM		UTD-HFNB (18-30)	Network Converter for single split (DC power supply type):	UTY-VTGX
Simple remote controller (without operation model):	UTY-RHRY		UTD-HFNA (36-54)	Network Converter for single split (AC power supply type):	UTY-VTGVX
Simple remote controller:	UTY-RSRY	WLAN adapter:	UTY-TFSXZ1	(Outdoor unit 30/36/45/54)	
	UTY-RSNYM		FG-RC-WIF122	External connect kit:	UTY-XWZXZ3
Remote sensor unit:	UTY-XSZXZ1		UTY-TFSXJ3		
External switch controller:	UTY-TERX		FG-AC-WIF121		

### Dimensions



	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

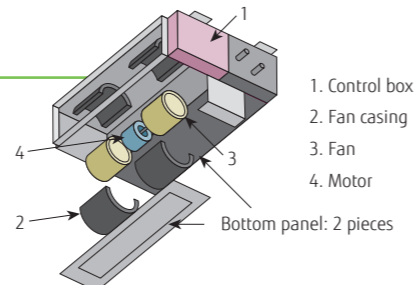


# Medium Static Pressure Duct Standard



## Easy maintenance

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

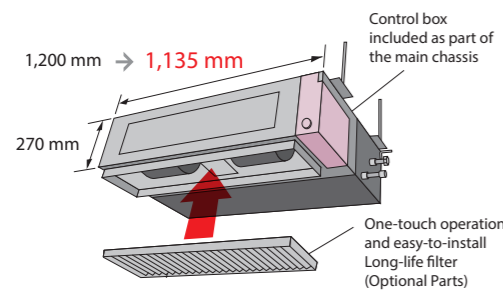


See below for case of rear-suction type

## Slim & Compact design

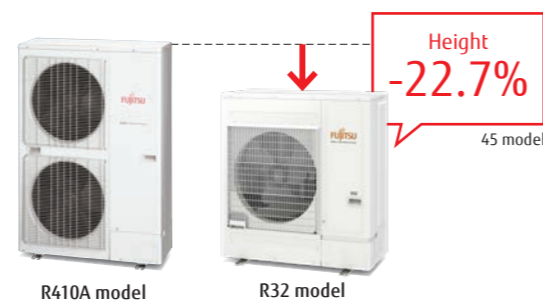
### Indoor Unit

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

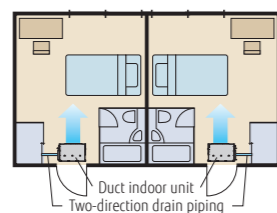


### Outdoor Unit

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



## Two-direction drain piping

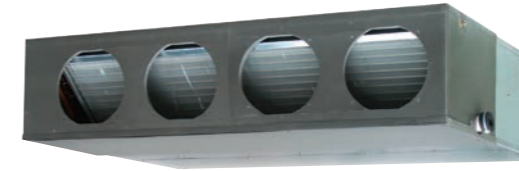


## Link up with a variety of central control system (Option)

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



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



## Specifications

Model name	Indoor unit		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit		AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA
Power Source	Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz	
Capacity	Cooling	kW	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)
	Heating		7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)
Input Power	Cooling/Heating	kW	1.78/1.87	2.14/1.97	2.65/2.63	2.97/2.88	4.22/3.84	2.97/2.88	4.22/3.84
EER	Cooling	W/W	3.37	3.18	3.21	3.20	2.87	3.20	2.87
	Heating		3.74	3.80	3.80	3.75	3.52	3.75	3.52
Pdesign	Cooling/Heating (-10°C)	kW	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	9.5/8.7	-
SEER	Cooling	W/W	6.10	6.20	6.23	6.10	-	6.10	-
	Heating		4.10	4.10	4.00	4.00	-	4.00	-
SCOP	Cooling	A	A++	A++	A++	A++	-	A++	-
	Heating		A+	A+	A+	A+	-	A+	-
Max. Operating Current	Cooling/Heating	A	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0
Annual Energy Consumption	Cooling	kWh/a	344	384	477	545	-	545	-
	Heating		1,637	2,045	2,797	3,044	-	3,044	-
Moisture Removal	Cooling	l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
	Heating								
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)		H/M/L/Q	31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/35/30/26	42/35/30/26
Sound Power Level	Outdoor (Cooling/Heating)	High	51/51	53/54	53/55	55/55	57/57	55/55	57/57
	Indoor (Cooling/Heating)		High	60/62	60/62	65/69	65/70	68/70	65/70
Airflow Rate	Indoor/Outdoor (Cooling)	High	1,100/2,240	1,100/2,700	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750	2,100/4,450
	Indoor/Outdoor (Heating)		High	1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450	2,100/3,750
Static pressure range (Standard)	Indoor	Pa	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30-150 (47)	30-150 (60)
	Outdoor		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
Net Dimensions H x W x D	Indoor	mm	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
	Outdoor		mm	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320
Weight	Indoor	kg	35	35	38	38	39	38	39
	Outdoor		kg	38	42	52	52	67	53
Connection Pipe Diameter (Liquid/Gas)	Indoor	mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
	Outdoor		mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Hose Diameter (I.D./O.D.)	Indoor	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
	Outdoor		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
Max. Pipe Length (Pre-Charge)	Cooling	m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
	Heating		25	25	30	30	30	30	30
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	kg (CO2eq-T)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)

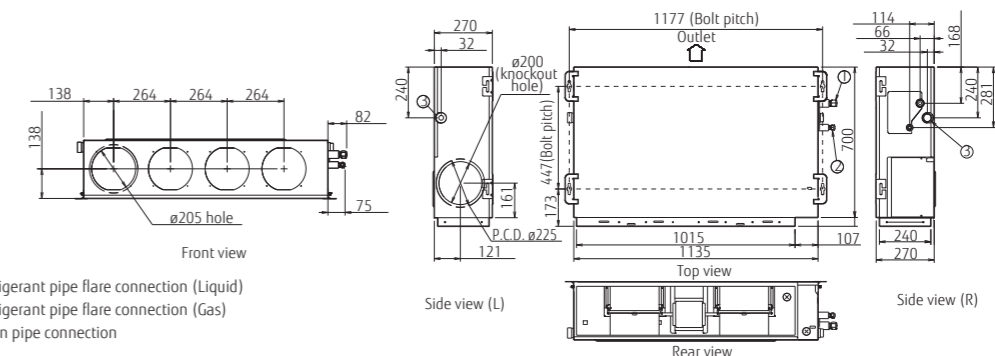
## Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

Compact wired remote controller:	UTY-RCRYZ1	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5		FG-RC-WIF1Z2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY		UTY-TFSXJ3	Drain pump unit:	UTZ-PX1NBA
	UTY-RNRYM		FG-AC-WIF1Z1	Long-life filter:	UTD-LF25NA
	UTY-RVNYM		UTD-RF204	Silver Ion Filter:	UTD-HFND
Simple remote controller (without operation mode):	UTY-RHRY	Flange (Round):	UTD-SF045T		
Simple remote controller:	UTY-RSRY	Flange (Square):	UTY-LBTY1	(Outdoor unit 30/36/45)	
	UTY-RSNYM	IR receiver unit:	UTY-XSZXZ1	External connect kit:	UTY-XWZXZ3
External switch controller:	UTY-TERX	Remote sensor unit:	UTY-XWZXZ1		
		External connect kit:	UTY-XWZXZ3		

## Dimensions

(Unit: mm)



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

# High Static Pressure Duct



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



### Specifications

Model name	Indoor unit		ARXG45KHTB	ARXG54KHTB	ARXG45KHTB	ARXG54KHTB	
	Outdoor unit		AOYG45KHTB	AOYG54KHTB	AOYG45KRTA	AOYG54KRTA	
Power Source	Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz			
Capacity	Cooling	kW	12.1 (4.0-14.0)	13.4 (5.0-14.5)	12.1 (4.0-14.0)	13.4 (5.0-14.5)	
	Heating		13.5 (5.0-16.2)	15.5 (5.5-18.0)	13.5 (5.0-16.2)	15.5 (5.5-18.0)	
Input Power	Cooling/Heating	kW	4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18	
EER	Cooling	W/W	2.91	2.81	2.91	2.81	
	Heating		3.74	3.71	3.74	3.71	
COP	Cooling	W/W	-	-	-	-	
	Heating		-	-	-	-	
Pdesign	Cooling/Heating (-10°C)	kW	-	-	-	-	
	Cooling		-	-	-	-	
SEER	Cooling	W/W	-	-	-	-	
	Heating		-	-	-	-	
SCOP	Cooling	W/W	-	-	-	-	
	Heating		-	-	-	-	
Energy Efficiency Class	Cooling	-	-	-	-		
Max. Operating Current	Cooling/Heating	A	28.5/28.5	28.5/28.5	14.0/14.0	14.0/14.0	
	Cooling		-	-	-	-	
Annual Energy Consumption	Cooling	kWh/a	-	-	-	-	
	Heating		-	-	-	-	
Moisture Removal	Cooling	l/h	1.5	2.0	1.5	2.0	
	Heating		-	-	-	-	
Sound Pressure Level	Indoor (Cooling)	dB(A)	47/43/40	47/43/40	47/43/40	47/43/40	
	Indoor (Heating)		47/43/40	47/43/40	47/43/40	47/43/40	
	Outdoor (Cooling/Heating)		High	57/57	57/59	57/57	57/59
	Outdoor (Cooling/Heating)		High	75/74	75/74	75/74	75/74
Sound Power Level	Indoor (Cooling/Heating)	High	71/71	73/73	71/71	73/73	
	Outdoor (Cooling/Heating)		High	71/71	73/73	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	m³/h	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450	
	Indoor/Outdoor (Heating)		High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
Static pressure range (Standard)		Pa	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	
Net Dimensions H x W x D	Indoor	mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	
	Outdoor		998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	
Weight	Indoor	kg	46	46	46	46	
	Outdoor		67	67	67	67	
Connection Pipe Diameter (Liquid/Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain port Diameter (I.D./O.D.)		mm	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	
Max. Pipe Length (Pre-Charge)		m	50 (30)	50 (30)	50 (30)	50 (30)	
Max. Height Difference		m	30	30	30	30	
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)	kg (CO2eq-T)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
	Charge		2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	

## Easy installation (Compact & Lightweight)

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

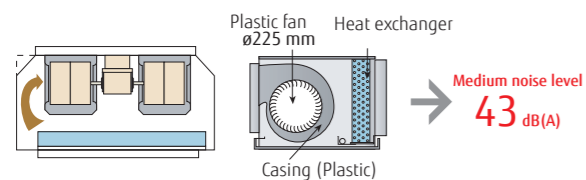


## Design also suits high static pressure



## Low noise

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



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

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



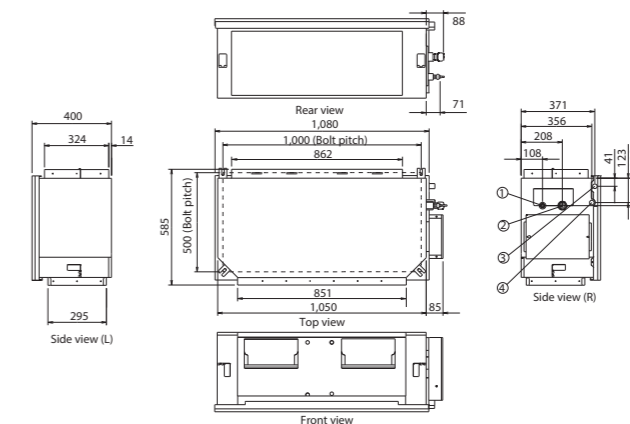
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

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

### Dimensions

(Unit: mm)



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

# High Static Pressure Duct



## Model: ARYG60LHTA [3-phase]



Wired RC



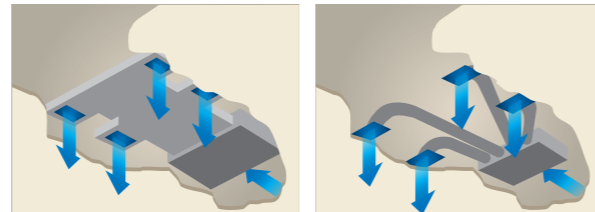
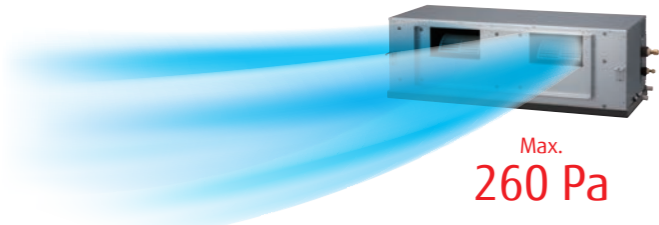
### Specifications

Model name	Indoor unit		ARYG60LHTA	
	Outdoor unit		AOYG60LATT	
Power Source			3-phase, ~400 V, 50 Hz	
Capacity	Cooling	kW	15.0 (6.2-17.5)	
	Heating	kW	18.0 (6.2-20.0)	
Input Power	Cooling/Heating		kW	
EER	Cooling		W/W	
COP	Heating		W/W	
Max. Operating Current	Cooling/Heating		A	
Moisture Removal			l/h	
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	
	Indoor (Heating)	H/M/L/Q	45/40/36/-	
	Outdoor (Cooling/Heating)	High	56/58	
Airflow Rate	Indoor/Outdoor (Cooling)	High	m³/h	
	Indoor/Outdoor (Heating)	High	3,550/6,900 3,550/7,300	
Static pressure range (Standard)			Pa	
Net Dimensions H x W x D	Indoor	mm	425 x 1,250 x 490	
	Outdoor	mm	1,290 x 900 x 330	
Weight	Indoor	kg	54	
	Outdoor	kg	104	
Connection Pipe Diameter (Liquid/Gas)			mm	
Drain Hose Diameter (I.D./O.D.)			mm	
Max. Pipe Length (Pre-Charge)			m	
Max. Height Difference			m	
Operating Range	Cooling	°CDB	-15 to 46	
	Heating	°CDB	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	
	Charge	kg (CO2eq-T)	3.45 (7.204)	

### High energy efficiency

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

### Design also corresponding to high static pressure



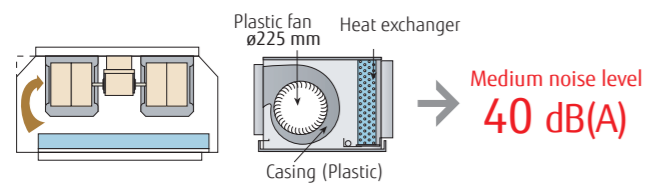
### Easy installation (Compact & Lightweight)

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



### Low noise

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



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

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



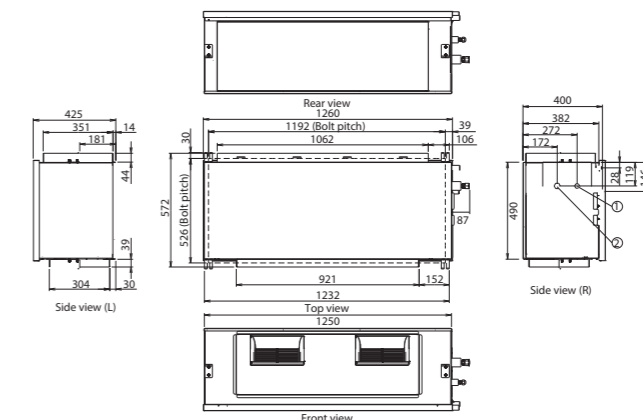
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

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

### Dimensions

(Unit: mm)



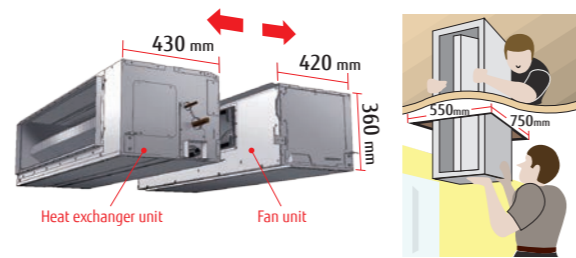
- ① Refrigerant pipe flare connection (Liquid)
- ② Refrigerant pipe flare connection (Gas)
- ③ Drain pipe connection (Safety drain pan)
- ④ Drain pipe connection (Main drain pan)

# Big Duct



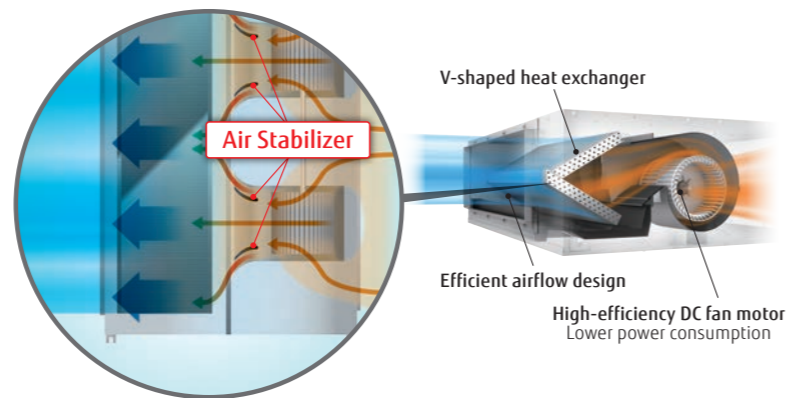
## Splittable, lightweight, and compact design

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



## Quiet operation

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



## Automatic airflow adjustment function

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



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

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



## Model: ARYG72LHTA / ARYG90LHTA



Wired RC



## Specifications

Model name	Indoor unit		ARYG72LHTA	ARYG90LHTA
	Outdoor unit		AOYG72LRLA	AOYG90LRLA
Power Source	Indoor		Single phase, ~230 V, 50 Hz	
	Outdoor		3-phase, ~400 V, 50 Hz	
Capacity	Cooling	kW	19.0 (8.4-20.9)	22.0 (10.3-24.2)
	Heating		22.4 (7.2-24.6)	27.0 (8.5-29.7)
Input Power	Cooling/Heating	kW	6.46/6.59	7.77/8.18
EER	Cooling	W/W	2.94	2.83
	Heating		3.40	3.30
COP	Cooling	W/W	2.94	2.83
	Heating		3.40	3.30
Max. Operating Current	Indoor (Cooling/Heating)	A	-	-
	Outdoor (Cooling/Heating)		-	-
Moisture Removal			I/h	
			4.5	6.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	46/43/41/39	
	Indoor (Heating)		46/43/41/39	
Airflow Rate	Outdoor (Cooling/Heating)	High	55/55	
	Indoor/Outdoor (Cooling)		4,300/8,400	
Static pressure range (Standard)			Pa	
			50 to 150 (72)	50 to 200 (72)
Net Dimensions H x W x D	Indoor	mm	360 x 1,400 x 850	
	Outdoor		1,428 x 1,080 x 480	
Weight	Indoor	kg	69	
	Outdoor		174	
Connection Pipe Diameter (Liquid/Gas)			mm	
			12.7/25.4	12.7/25.4
Drain Hose Diameter (I.D./O.D.)			mm	
			25/32	25/32
Max. Pipe Length (Pre-Charge)			m	
			100 (30)	100 (30)
Max. Height Difference				
			30	30
Operating Range	Cooling	°CDB	-15 to 46	
	Heating		-20 to 24	
Refrigerant	Type (Global Warming Potential)	R410A (2,088)		R410A (2,088)
	Charge	kg (CO2eq-T)	5.6 (11.693)	7.1 (14.825)

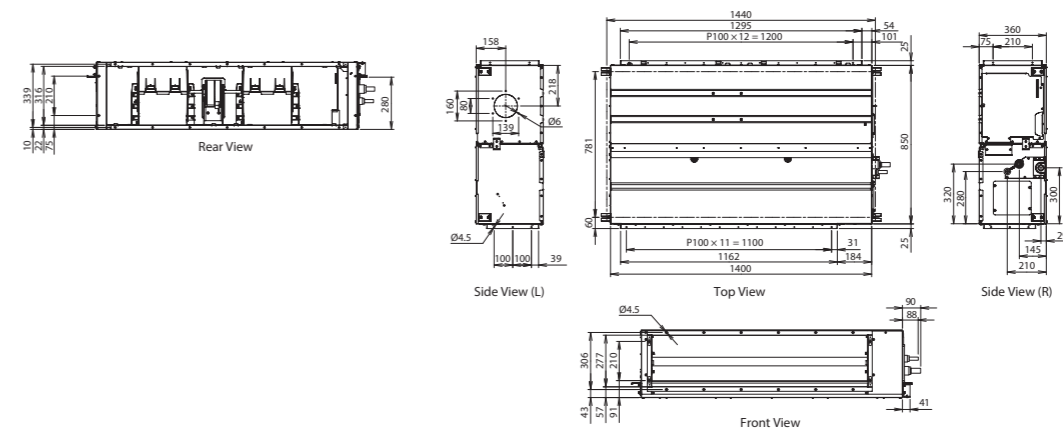
## Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

Compact wired remote controller:	UTY-RCRYZ1	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5		FG-RC-WIF1Z2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY3		UTY-TFSXJ3	IR receiver unit:	UTY-LBTYM
	UTY-RNNYM		FG-AC-WIF1Z1	Silver Ion Filter:	UTY-LRHYM
	UTY-RVNYM	External input and output PCB:	UTY-XCSX		UTD-HFKA
Simple remote controller (without operation mode):	UTY-RHRY	Remote sensor unit:	UTY-XSZXZ1		
Simple remote controller:	UTY-RSRY	Long-life filter:	UTD-LFKA	(Outdoor unit)	
	UTY-RSNYM	External connect kit:	UTY-XWZXZG	External connect kit:	UTY-XWZXZ3
External switch controller:	UTY-TERX	Drain pump unit:	UTZ-PXINAB		

## Dimensions

(Unit: mm)



# Floor Compact Size



Model: AGYG09KVCA / AGYG12KVCA / AGYG14KVCA



### Specifications

Model name	Indoor unit		AGYG09KVCA	AGYG12KVCA	AGYG14KVCA
	Outdoor unit		AOYG09KVCA	AOYG12KVCA	AOYG14KVCA
Power Source	Single phase, ~230 V, 50 Hz				
Capacity	Cooling	kW	2.5 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.2)
	Heating	kW	3.5 (0.9-5.1)	4.5 (0.9-5.3)	5.2 (0.9-6.3)
Input Power	Cooling/Heating		0.53/0.81	0.88/1.22	1.06/1.41
	Cooling	W/W	4.70	4.00	3.95
COP	Heating		4.30	3.70	3.70
	Cooling/Heating (-10°C)	kW	2.50/2.60	3.50/3.50	4.20/4.20
SEER	Cooling	W/W	8.50	8.20	8.10
SCOP	Heating (Average)		4.30	4.10	4.00
	Cooling		A+++	A++	A++
Energy Efficiency Class	Heating (Average)		A+	A+	A+
	Cooling/Heating	A	7.0/8.5	7.0/8.5	11.0/12.0
Max. Operating Current	Cooling		103	149	181
	Heating (Average)		845	1,192	1,466
Annual Energy Consumption	Cooling		1.3	1.8	2.1
	Heating				
Moisture Removal	Indoor (Cooling)	H/M/L/Q	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q	41/35/29/22	41/35/29/22	43/37/29/22
Sound Pressure Level	Outdoor (Cooling/Heating)	High	43/47	45/51	51/50
	Indoor (Cooling/Heating)	High	53/54	53/54	57/56
Sound Power Level	Outdoor (Cooling/Heating)	High	58/61	61/64	63/63
	Indoor/Outdoor (Cooling)	High	570/1,530	570/1,530	650/2,210
Airflow Rate	Indoor/Outdoor (Heating)	High	600/1,510	600/1,510	650/2,100
	Indoor	mm	600 × 740 × 200	600 × 740 × 200	600 × 740 × 200
Net Dimensions H x W x D	Outdoor	mm	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290
	Indoor	kg	14	14	14
Weight	Outdoor	kg	31	31	38
	Connection Pipe Diameter (Liquid/Gas)	mm	6.35/9.52	6.35/9.52	6.35/9.52
Drain Hose Diameter (I.D./O.D.)	13.8/15.8 to 16.7				
Max. Pipe Length (Pre-Charge)	20 (15)				
Max. Height Difference	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Operating Range	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.94 (0.635)

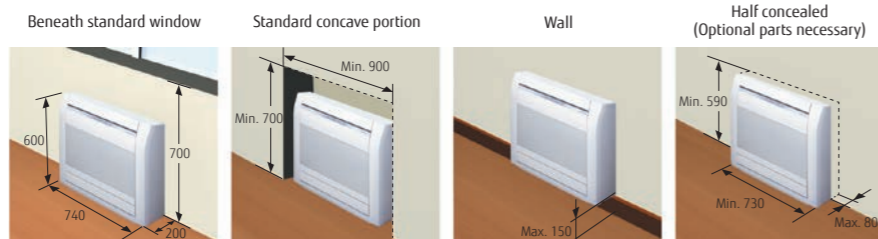
### High energy saving

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



### Flexible & easy installation

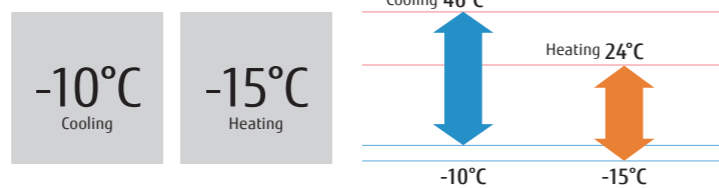
The compact and whole-surface suction design provides flexible installation options, including floor-standing, embedded, half concealed, and wall mount installation to match the room layout.



\* Concaved position installation with concealment is prohibited.

### Low ambient operation

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



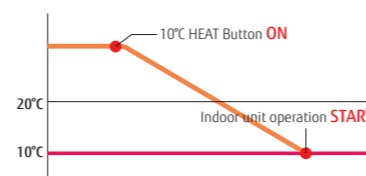
### Smart device control (Option)

With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device. WLAN adapter can be installed easily without specialized installation work.



### 10°C heat

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



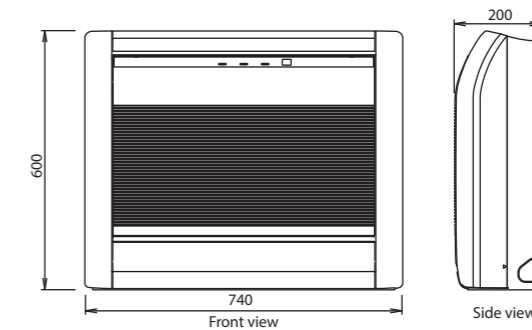
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

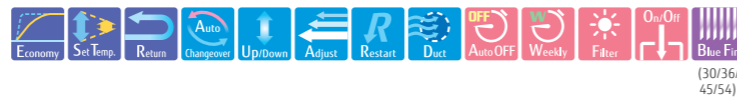
Compact wired remote controller:	UTY-RCRYZ1	External switch controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller (touch panel):	UTY-RNRYZ5	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller:	UTY-RLRY		FG-AC-WIF1Z1	Silver Ion Filter:	UTR-FA03-5
Simple remote controller (without operation mode):	UTY-RHRY		UTY-TFSXJ3	External connect kit:	UTY-XWZX25
Simple remote controller:	UTY-RSRY	Half concealed kit:	UTR-STA	Communication kit:	UTY-TWRXZ3

### Dimensions

(Unit: mm)



# Ceiling



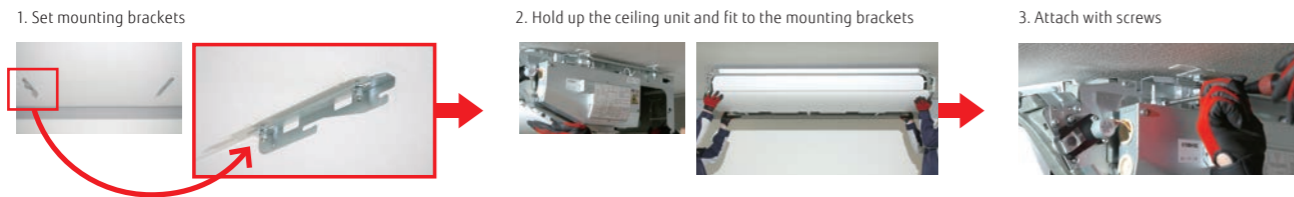
## Light elegant design

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



## Easy installation

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



## Easy maintenance

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



The drain pan can be removed for cleaning.



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



## Flexible installation

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



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

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



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



## Specifications

Model name	Indoor unit						Outdoor unit		
	ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA
Power Source	Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz		
Capacity	Cooling	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 (4.0-13.5)	9.5 (2.8-11.2)	12.1 (4.0-13.5)	13.4 (4.5-14.5)
Input Power	Cooling/Heating	1.55/1.62	1.87/1.95	2.14/1.97	2.65/2.77	2.96/2.88	13.5 (4.2-16.2)	13.5 (4.2-16.2)	15.5 (4.7-16.5)
EER	Cooling	3.35	3.21	3.18	3.21	2.87	3.21	2.87	3.01
COP	Heating	3.70	3.59	3.81	3.61	3.52	3.75	3.52	3.50
Pdesign	Cooling/Heating (-10°C)	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-	-
SEER	Cooling	6.2	6.1	6.2	6.1	6.37	6.37	-	-
SCOP	Heating (Average)	4.1	4.0	4.1	4.0	4.21	4.21	-	-
Energy Efficiency Class	Cooling	A++	A++	A++	A++	A++	A++	-	-
	Heating (Average)	A+	A+	A+	A+	A+	A+	-	-
Max. Operating Current	Cooling/Heating	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling	293	344	384	486	524	524	-	-
	Heating	1,501	1,677	2,042	2,796	2,904	2,904	-	-
Moisture Removal		2.0	2.5	2.2	3.0	4.5	2.6	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	48/44/41/38
	Indoor (Heating)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	48/44/41/38
Sound Power Level	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	59/59
	Outdoor (Cooling/Heating)	High	53/53	57/57	56/56	60/60	59/59	60/60	63/63
Airflow Rate	Indoor/Outdoor (Cooling)	High	840/2,160	900/2,240	1,230/2,700	1,400/3,750	1,850/4,450	1,850/4,450	2,100/4,450
	Indoor/Outdoor (Heating)	High	840/1,830	900/1,960	1,230/2,700	1,400/3,750	1,800/3,750	1,850/4,450	2,100/4,450
Net Dimensions H x W x D	Indoor	mm	235 × 1,080 × 705	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705
	Outdoor	mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320
Weight	Indoor	kg	24	24	31	31	38	38	38
	Outdoor	kg	36	38	42	52	52	67	67
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/12.7	6.35/12.7	6.35/12.7	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
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		m	20	25	25	30	30	30	30
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)

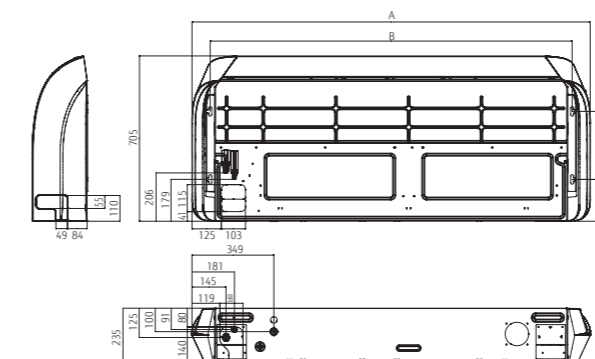
## Optional parts

\* For optional parts compatibility of Inesis devices, refer to the optional parts compatibility list Page C-048.

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

## Dimensions

(Unit: mm)



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



# Wall-mounted W-LAN Adapter Option Models Specifications

### Designer Series Cool Beauty Design

Model name	Indoor unit		ASYG07KETE ASYG07KETE-B	ASYG09KETE ASYG09KETE-B	ASYG12KETE ASYG12KETE-B	ASYG14KETE ASYG14KETE-B
	Outdoor unit		AOYG07KETA	AOYG09KETA	AOYG12KETA	AOYG14KETA
Power Source		Single phase, ~230 V, 50 Hz				
Capacity	Cooling	kW	2.0 (0.9 - 3.0)	2.5 (0.9 - 3.2)	3.4 (0.9 - 3.9)	4.2 (0.9 - 4.4)
	Heating		2.5 (0.9 - 3.4)	2.8 (0.9 - 4.0)	4.0 (0.9 - 5.3)	5.4 (0.9 - 6.0)
Input Power	Cooling/Heating	kW	0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
EER	Cooling	W/W	4.43	3.97	3.65	3.44
	Heating		4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating (-10°C)	kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling	W/W	7.40	7.40	7.30	6.90
SCOP	Heating (Average)	W/W	4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling	kWh/a	95	118	163	213
	Heating		785	819	795	1,367
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/46	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	55/58	57/59
Airflow Rate	Indoor/Outdoor (Cooling)	High	650/1,650	700/1,650	700/1,700	770/1,680
	Indoor/Outdoor (Heating)	High	720/1,450	750/1,450	770/1,470	800/1,580
Net Dimensions H x W x D	Indoor	mm	295 × 950 (wall side: 840) × 230			
	Outdoor	mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
Weight	Indoor	kg	11	11	11	11.5
	Outdoor	kg	23	23	25	31
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain Hose Diameter (I.D./O.D.)		mm	13.8/15.0 to 16.8			
Max. Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference		m	15	15	15	15
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

### Designer Series High Spec & Design

Model name	Indoor unit		ASYG07KGTE	ASYG09KGTE	ASYG12KGTE	ASYG14KGTE
	Outdoor unit		AOYG07KGCA	AOYG09KGCA	AOYG12KGCA	AOYG14KGCA
Power Source		Single phase, ~230 V, 50 Hz				
Capacity	Cooling	kW	2.0 (0.9-3.2)	2.5 (0.9-3.4)	3.4 (0.9-4.1)	4.2 (0.9-4.5)
	Heating		2.5 (0.9-5.2)	2.8 (0.9-5.4)	4.0 (0.9-6.1)	5.4 (0.9-6.4)
Input Power	Cooling/Heating	kW	0.400/0.500	0.555/0.560	0.805/0.910	1.175/1.350
EER	Cooling	W/W	5.00	4.50	4.22	3.57
	Heating		5.00	5.00	4.40	4.00
Pdesign	Cooling/Heating (-10°C)	kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling	W/W	9.10	9.20	9.20	8.30
SCOP	Heating (Average)	W/W	5.30	5.20	5.20	4.50
Energy Efficiency Class	Cooling		A+++	A+++	A+++	A++
	Heating (Average)		A+++	A+++	A+++	A+
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling	kWh/a	77	95	129	177
	Heating		607	645	672	1,242
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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	Indoor/Outdoor (Cooling)	High	650/1,610	700/1,610	700/1,680	770/1,680
	Indoor/Outdoor (Heating)	High	720/1,560	750/1,610	770/1,580	800/1,580
Net Dimensions H x W x D	Indoor	mm	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215
	Outdoor	mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor	kg	10	10	10	10
	Outdoor	kg	30	30	31	32
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52			
Drain Hose Diameter (I.D./O.D.)		mm	13.8/15.0 to 16.8			
Max. Pipe Length (Pre-Charge)		m	20 (15)			
Max. Height Difference		m	15			
Operating Range	Cooling	°CDB	-10 to 46			-15 to 24
	Heating		-15 to 24			-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)			
	Charge	kg (CO2eq-T)	0.75 (0.506)	0.75 (0.506)	0.85 (0.574)	0.85 (0.574)

### Standard Series High-Efficiency & Comfort

Model name	Indoor unit		ASYG07KMCE	ASYG09KMCE	ASYG12KMCE	ASYG14KMCE
	Outdoor unit		AOYG07KMCC	AOYG09KMCC	AOYG12KMCC	AOYG14KMCC
Power Source		Single phase, ~230 V, 50 Hz				
Capacity	Cooling	kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)
	Heating		2.5 (0.9-3.4)	2.8 (0.9-4.0)	4.0 (0.9-5.3)	5.4 (0.9-6.0)
Input Power	Cooling/Heating	kW	0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
EER	Cooling	W/W	4.43	3.97	3.65	3.44
	Heating		4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating (-10°C)	kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling	W/W	7.40	7.40	7.30	6.90
SCOP	Heating (Average)	W/W	4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling		A+	A+	A+	A+
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling	kWh/a	95	118	163	213
	Heating		785	819	795	1,367
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/46	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	55/58	57/59
Airflow Rate	Indoor/Outdoor (Cooling)	High	650/1,650	700/1,650	700/1,700	770/1,680
	Indoor/Outdoor (Heating)	High	720/1,450	750/1,450	770/1,470	800/1,580
Net Dimensions H x W x D	Indoor	mm	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222
	Outdoor	mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
Weight	Indoor	kg	10	10	10	10
	Outdoor	kg	22	22	24	31
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain Hose Diameter (I.D./O.D.)		mm	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8	13.8/15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference		m	15	15	15	15
Operating Range	Cooling	°CDB	-10 to 46			-10 to 46
	Heating		-15 to 24			-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)





Slim Duct



Model name	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP	
	Outdoor unit		AOYG09KATA	AOYG12KATA	AOYG14KATA	AOYG18KATA	
Power Source	Single phase, ~230 V, 50 Hz						
Capacity	Cooling	kW	2.5 (0.9-2.7)	3.5 (0.9-3.7)	4.3 (0.9-4.5)	5.2 (0.9-5.4)	
	Heating		3.2 (0.9-3.9)	4.1 (0.9-4.4)	5.0 (0.9-5.3)	6.0 (0.9-6.3)	
Input Power	Cooling/Heating		kW	0.69/0.88	1.09/1.17	1.37/1.42	1.66/1.71
	Cooling	W/W		3.62	3.21	3.14	3.13
EER	Cooling		W/W	3.64	3.50	3.52	3.51
	Heating			2.5/2.3	3.5/2.8	4.3/3.2	5.2/3.8
COP	Cooling/Heating (-10°C)		kW	5.9	5.8	5.6	5.8
	Heating			3.8	3.8	3.8	3.8
Pdesign	Cooling/Heating (-10°C)		kW	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7
	Heating			5.8	5.9	5.8	5.6
SEER	Cooling		W/W	3.8	3.8	3.8	3.8
	Heating			A+	A+	A+	A+
SCOP	Cooling		W/W	A	A	A	A
	Heating			6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1
Energy Efficiency Class	Cooling/Heating		A	6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1
	Cooling			kWh/a	148	211	269
Max. Operating Current	Cooling		kWh/a		847	1,031	1,177
	Heating			0.7	1.3	1.5	2.0
Annual Energy Consumption	Cooling		I/h	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Heating			28/26/25/24	29/28/26/24	32/30/28/25	32/30/29/27
Moisture Removal	Indoor (Cooling)	H/M/L/Q	dB(A)	47/48	49/50	50/51	51/52
	Indoor (Heating)			57/57	58/58	60/60	58/58
Sound Pressure Level	Outdoor (Cooling/Heating)	High	dB(A)	60/60	62/62	63/63	63/64
	Indoor (Cooling/Heating)			600/1,610	650/1,630	800/1,670	940/1,710
Sound Power Level	Indoor (Cooling/Heating)	High	m³/h	600/1,550	650/1,410	800/1,580	940/1,840
	Outdoor (Cooling/Heating)			0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Airflow Rate	Indoor/Outdoor (Cooling)	High	Pa	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620
	Indoor/Outdoor (Heating)			541 × 663 × 290	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290
Static pressure range (Standard)	Indoor	mm	kg	17	25	32	33
	Outdoor			23	25	32	33
Net Dimensions H x W x D	Indoor		kg	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
	Outdoor			25/32	25/32	25/32	25/32
Weight	Indoor		kg	15 (15)	15 (15)	20 (15)	20 (15)
	Outdoor			15	15	15	15
Connection Pipe Diameter (Liquid/Gas)	Indoor		°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Outdoor			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Drain port Diameter (I.D./O.D.)	Indoor		Type (Global Warming Potential)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Outdoor			Charge	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)
Max. Pipe Length (Pre-Charge)	Indoor		kg (CO2eq-T)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)	0.9 (0.608)
	Outdoor			1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)
Max. Height Difference	Indoor		kg (CO2eq-T)	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)
	Outdoor			1.25 (0.844)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)
Operating Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Cooling		Type (Global Warming Potential)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Heating			Charge	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

Medium Static Pressure Duct (Standard)























































Model name	Indoor unit		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA	
	Outdoor unit		AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG36KQTA	AOYG45KQTA	
Power Source	Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz			
Capacity	Cooling	kW	6.0 (0.9-6.3)	6.8 (0.9-7.4)	8.5 (2.8-9.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	
	Heating		7.0 (0.9-7.4)	7.5 (0.9-8.6)	10.0 (2.7-10.8)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	
Input Power	Cooling/Heating		kW	1.92/2.00	2.19/2.00	2.78/2.77	3.13/3.03	4.84/4.18	3.13/3.03	4.84/4.18
	Cooling	W/W		3.13	3.11	3.06	3.04	2.50	3.04	2.50
EER	Cooling		W/W	3.50	3.75	3.61	3.56	3.23	3.56	3.23
	Heating			6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	-	9.5/8.7	-
COP	Cooling/Heating (-10°C)		kW	5.8	5.9	5.8	5.6	-	5.6	-
	Heating			3.8	3.9	3.9	3.9	-	3.9	-
Pdesign	Cooling/Heating (-10°C)		kW	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	-	9.5/8.7	-
	Heating			5.8	5.9	5.8	5.6	-	5.6	-
SEER	Cooling		W/W	3.8	3.9	3.9	3.9	-	3.9	-
	Heating			A+	A+	A+	A+	-	A+	-
SCOP	Cooling		W/W	A	A	A	A	-	A	-
	Heating			11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	10.5/10.5	13.6/13.6
Max. Operating Current	Cooling/Heating		A	362	403	513	594	-	594	-
	Cooling			kWh/a	1,620	1,935	2,871	3,122	-	3,122
Annual Energy Consumption	Cooling		I/h		2.1	2.5	2.5	3.0	4.0	3.0
	Heating			31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
Moisture Removal	Indoor (Cooling)	H/M/L/Q	dB(A)	52/53	54/55	53/55	55/55	58/59	55/55	58/59
	Indoor (Heating)			60/62	60/62	65/69	65/70	68/70	65/70	68/70
Sound Pressure Level	Outdoor (Cooling/Heating)	High	dB(A)	64/65	66/67	66/69	70/70	72/73	67/70	72/73
	Indoor (Cooling/Heating)			1,100/2,240	1,100/2,885	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750	2,100/4,450
Sound Power Level	Indoor (Cooling/Heating)	High	m³/h	1,100/2,240	1,100/2,885	1,900/3,750	1,900/3,750	2,100/4,450	2,100/3,750	2,100/4,450
	Outdoor (Cooling/Heating)			30 - 150 (35)	30 - 150 (35)	30 - 150 (47)	30 - 150 (47)	30 - 150 (60)	30 - 150 (47)	30 - 150 (60)
Airflow Rate	Indoor/Outdoor (Cooling)	High	Pa	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
	Indoor/Outdoor (Heating)			632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Static pressure range (Standard)	Indoor	mm	kg	35	38	52	38	39	38	39
	Outdoor			36	38	52	38	39	38	39
Net Dimensions H x W x D	Indoor		kg	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
	Outdoor			25/32	25/32	25/32	25/32	25/32	25/32	25/32
Weight	Indoor		kg	25 (15)	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
	Outdoor			20	20	30	30	30	30	30
Connection Pipe Diameter (Liquid/Gas)	Indoor		°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Outdoor			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Drain port Diameter (I.D./O.D.)	Indoor		Type (Global Warming Potential)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Outdoor			Charge	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	1.9 (1.283)
Max. Pipe Length (Pre-Charge)	Indoor		kg (CO2eq-T)	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	1.9 (1.283)	2.4 (1.620)
	Outdoor			1.25 (0.844)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)	2.4 (1.620)	2.4 (1.620)	
Max. Height Difference	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Cooling		Type (Global Warming Potential)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Heating			Charge	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	1.9 (1.283)

Medium Static Pressure Duct (High-Efficiency & Comfort)



Model name	Indoor unit		ARXH22KMTAP	ARXH24KMTAP	ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH36KMTAP	ARXH45KMTAP	
	Outdoor unit		AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG36KQTA	AOYG45KQTA	
Power Source	Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz			
Capacity	Cooling	kW	6.0 (0.9-6.3)	6.8 (0.9-7.4)	8.5 (2.8-9.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	
	Heating		7.0 (0.9-7.4)	7.5 (0.9-8.6)	10.0 (2.7-10.8)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	10.8 (2.7-12.5)	13.5 (4.2-15.0)	
Input Power	Cooling/Heating		kW	1.85/1.97	2.06/1.97	2.69/2.63	3.13/2.88	4.84/4.18	1.85/1.97	2.06/1.97
	Cooling	W/W		3.24	3.30	3.16	3.04	2.50	3.04	2.50
EER	Cooling		W/W	3.55	3.81	3.80	3.75	3.23	3.55	3.81
	Heating			6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	-	9.5/8.7	-
COP	Cooling/Heating (-10°C)		kW	6.0	6.0	5.80	5.60	-	6.0	6.0
	Heating			3.90	3.90	3.90	3.90	-	3.90	-
Pdesign	Cooling/Heating (-10°C)		kW	6.0	6.0	5.80	5.60	-	6.0	6.0
	Heating			3.90	3.90	3.90	3.90	-	3.90	-
SEER	Cooling		W/W	A+	A+	A+	A+	-	A+	-
	Heating			A	A	A	A	-	A	-
SCOP	Cooling		W/W	A	A	A	A	-	A	-
	Heating			11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	10.5/10.5	13.6/13.6
Max. Operating Current	Cooling/Heating		A	358	405	520	601	-	601	-
	Cooling			kWh/a	1,578	1,936	2,867	3,118	-	3,118
Annual Energy Consumption	Cooling		I/h		1.5	2.2	1.8	2.0	4.0	2.0
	Heating			32/28/25/24	34/30/28/26	38/34/31/28	38/34/31/28	40/36/32/29	38/34/31/28	40/36/32/29
Moisture Removal	Indoor (Cooling)	H/M/L/Q	dB(A)	52/53	54/55	53/55	55/55	58/59	55/55	58/59
	Indoor (Heating)			58/58	60/60	64/64	65/65	67/67	65/65	67/67
Sound Pressure Level	Outdoor (Cooling/Heating)	High	dB(A)	64/65	66/67	68/69	70/70	72/73	67/70	72/73
	Indoor (Cooling/Heating)			1,150/2,240	1,230/2,885	1,950/3,750	2,070/3,750	2,1		

# Feature Summary

Type	Wall-mounted type				Wall-mounted type		
Series	Designer Series		Standard Series	Standard Series	ECO Series		
Model name	 ASYG07/09/12/14KGTF, ASYG07/09/12/14KGTE	 ASYG07/09/12/14KETF ASYG07/09/12/14KETF-B, ASYG07/09/12/14KETE ASYG07/09/12/14KETE-B	 ASYG07/09/12/14KMCF, ASYG07/09/12/14KMCE	 ASYG18/24KMTE	 ASYH30/36KMTB	 ASYG07/09/12KPCE	 ASYG18/24KLCA
							
Energy-Saving Features	 Save Occupancy sensor	●				●	
	 Occupancy sensor control						
	 Economy operation	●	●	●	●	●	●
	 Setting temperature range limitation	○	○	○	○	○	
	 Set temperature auto return	○	○	○	○	○	
Features for Comfort	 Power diffuser						
	 Powerful operation	●	●	●	●	●	●
	 10°C Heat	●	●	●	●	●	
	 Outdoor unit low noise operation	●	●	●	●	●	
	 Auto changeover	●	●	●	●	●	●
	 UP/DOWN swing louver	●	●	●		●	●
	 Double swing automatic				●	●	
	 Automatic fan speed	●	●	●	●	●	●
	 Auto restart	●	●	●	●	●	●
	 Connectable fresh air duct						
	 Fresh air intake						
	 Connectable distributing duct						
	 Individual airflow direction control						
	Convenience Features	 Auto-off timer	○	○	○	○	○
 Sleep timer		●	●	●	●	●	●
 Program timer		●	●	●	●	●	●
 Weekly timer		●	●	○	●	●	
 Weekly & Temperature setback timer		○	○	○	○	○	
 Filter sign		●	●	●	●	●	●
 External error output		○	○	○	○	○	
 External ON/OFF input		○	○	○	○	○	
 Wireless LAN control		● (KGTf) ○ (KGTE)	● (KETf, KETf-B) ○ (KETE, KETE-B)	● (KMCF) ○ (KMCE)	○	○	○
 Multi system control						○	
Clean Features	 Special cooling				●		
	 Ion deodorization filter	●	●	●	●	●	
	 Apple-catechin filter	●	●	●	●	●	
	 Long-life filter						
	 Washable panel	●	●	●	●	●	●
Installation Support	 Silver Ion Filter	○	○	○	○	○	○
	 Automatic airflow adjustment						
	 Drain pump as standard						
	 Blue fin					●	
	 Refrigerant cycle monitor				○		

\*1 For details of Multi System Control function, refer to C-011. \*2 Wired remote controller (UTY-RNRZY5) is required to use Special Cooling function.

○: Optional function

# Feature Summary

Type	Cassette		Duct			Duct					Floor	Ceiling
Series	Compact 4-way Flow Series	Circular Flow Series	Slim (With drain pump)	Medium Static Pressure (High-Efficiency & Comfort)	Medium Static Pressure (Compact size)	Medium Static Pressure (Standard)	High Static Pressure		Big			
Model name	AUXG 09/12/14/18/22/24 KVLA	AUXG 18/22/24/30/36/45/54 KRLB	ARXG 09/12/14/18 KLLAP	ARXH 22/24/30/36/45/54 KMTAP	ARXG 12/14/18/22/24/30/36/45/54 KHTAP	ARXG22KMLB ARXG24/30/36/45KMLA	ARXG45/54KHTB	ARYG60LHTA	ARYG72/90LHTA	AGYG09/12/14KVCA	ABYG 18/22/24/30/36/45/54 KRTA	
Energy-Saving Features	Save Occupancy sensor											
	Occupancy sensor control		○									
	Economy operation	●	●	●	○	●	●	●	●	●	●	
	Setting temperature range limitation	○	●	○	○	●	○	○	○	●	●	
	Set temperature auto return	●	●	●	○	●	●	○	○	●	●	
Features for Comfort	Power diffuser											
	Powerful operation									●		
	10°C Heat	●	○	○	○	○	○	○	○	●	○	
	Outdoor unit low noise operation		○ (45/54)			○ (45/54)	○ (45) (36/LMLA)	○	○	●	○	
	Auto changeover	●	●	●	●	●	●	●	●	●	●	
	UP/DOWN swing louver	●	●	○						●	●	
	Double swing automatic											
	Automatic fan speed	●	●	●	●	●	●	●	●	●	●	
	Auto restart	●	●	●	●	●	●	●	●	●	●	
	Connectable fresh air duct		●		●	●	●				●	
	Fresh air intake	○	○	○	○	○	○	○	○		○	
	Connectable distributing duct		●				●					
Individual airflow direction control		●										
Convenience Features	Auto-off timer	●	●	●	●	●	●	○	●	○	●	
	Sleep timer	●	○	○	○	○	○	○	○	●	○	
	Program timer	●	○	○	●	○	○	○	○	●	○	
	Weekly timer	●	●	●	○	●	●	●	●	●	●	
	Weekly & Temperature setback timer	○		●			●	●	●			
	Filter sign	●	●	●	●	●	●	●	●	●	●	
	External error output		○		●	○		○	○	○	○	
	External ON/OFF input	●	●	●	●	●	●	○	●	○	●	
	Wireless LAN control	○	○	○	○	○	○	○	○	○	○	
	Multi system control											
Clean Features	Special cooling											
	Ion deodorization filter									●		
	Apple-catechin filter									●		
	Long-life filter				○	○	○	○	○			
	Washable panel											
Installation Support	Silver Ion Filter	○	○	○	○	○	○	○	○	○		
	Automatic airflow adjustment				●	●			●			
	Drain pump as standard	●	●	●	●	●	○		○		○	
	Blue fin		● (30/36/45/54)		● (30/36/45/54)	● (30/36/45/54)	● (30/36/45)	●	●	●	● (30/36/45/54)	
	Refrigerant cycle monitor				○							

\*1 For details of Multi System Control function, refer to C-011. \*2 Wired remote controller (UTY-RNRZY5) is required to use Special Cooling function.

○: Optional function