Split Overview

Fujitsu General provides its customers with 5 types and 122 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.

Features

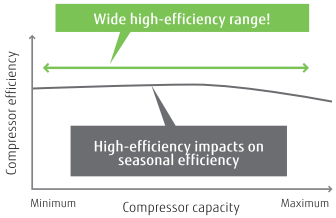
High-Efficiency

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.



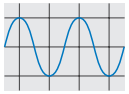
DC fan motor

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.



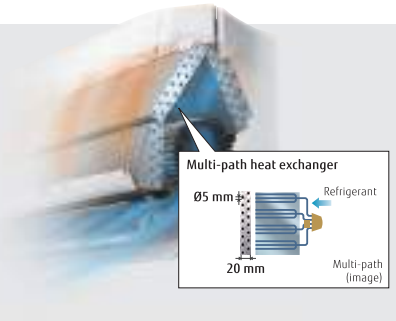
Heat Exchanger for Wall-mounted type

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

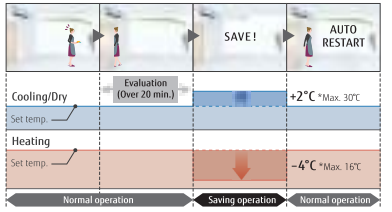
A counter-type bypass circuit has been incorporated to achieve a higher performance. (Large multi-split type)



High Energy Saving

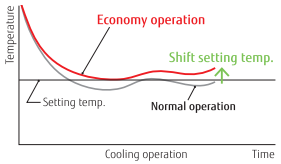
Occupancy sensor control

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.



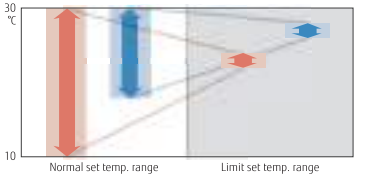
Economy operation

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



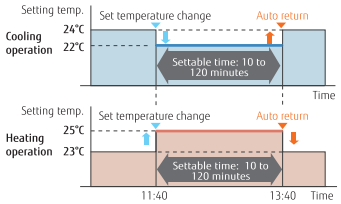
Setting temperature range limitation

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



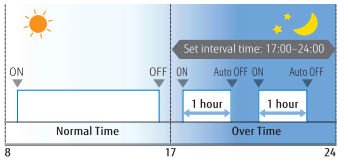
Set temperature auto return

- 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.



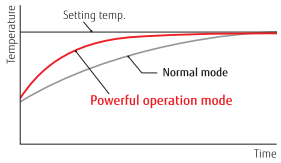


More Comfort



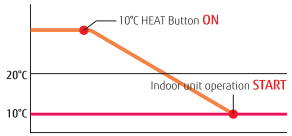
Powerful operation

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



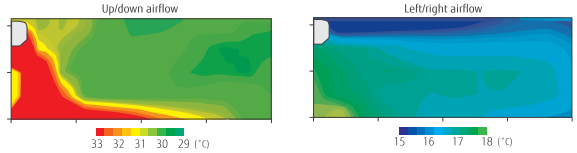
10°C heat

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



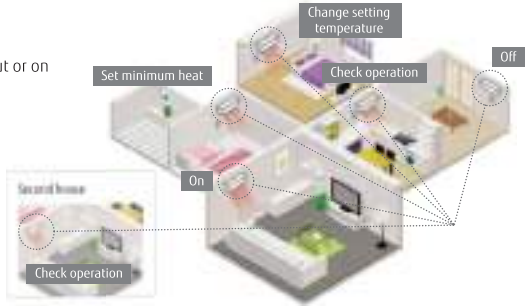
Power diffuser

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.





Uniform air conditioning

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



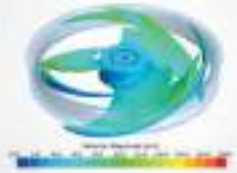


Quiet and Comfort Control

Low Noise Technology

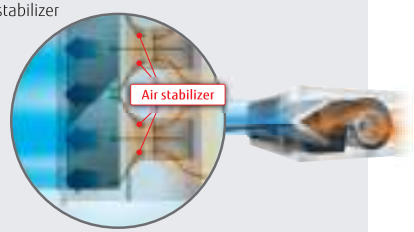
Outdoor unit fan

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



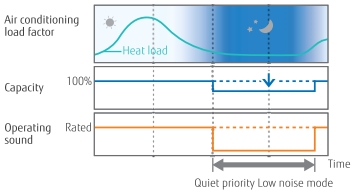
Air stabilizer in Duct

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



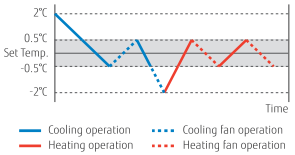
Outdoor unit low noise operation

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.



Fresh air intake kit

Feature Explanation

Energy-Saving Features

Save Occupancy sensor
The Occupancy sensor detects the movement of people in the room and determines whether to switch to energy saving operation.

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 operation
The thermostat setting is adjusted automatically according to the room temperature to avoid unnecessary cooling or heating.

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.

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

Features for Comfort

Power diffuser
An additional louver that opens based on input from monitoring sensors to quickly enhance immediate comfort needs.

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

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.

Outdoor unit low noise operation
The noise level of the outdoor unit can be selected.

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

UP/DOWN swing louver
The vertical louver automatically swings up and down.

Double swing automatic
Complex swing action of the louver enables automatic swing in both the left/right and up/down directions.

Automatic fan speed
A micro-computer automatically adjusts the airflow to follow the changes in room temperature.

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

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

Fresh air intake
Fresh air can be taken in by a fan connected to an external control unit.

Connectable distributing duct
Locally purchased branch ducts can be attached to the systems to distribute the airflow.

Individual airflow direction control
Each louver of a 4-way Cassette type can be controlled individually to provide comfortable airflow.

Convenience Features

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

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

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

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

Weekly & Temperature setback timer
Weekly & Temperature setback timer can set the temperature for 2-time spans and for each day of the week.

Filter sign
Indicates the filter cleaning period by blinking.

External error output

External ON/OFF input

Wireless LAN control
The optional WLAN adapter enables the air conditioner to be operated by smartphone or tablet PC from outside the home.

Multi System Control
Operation using "Lead Lag Operation", "Back up operation", "Lag Operation" is possible. (Page C-011)

Special Cooling
Special Cooling" is a function that supports the operation of "Multi System Control".

Clean Features

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.

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

Long-life filter

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

Silver Ion Filter
The Silver ion filter helps to keep indoor air free from viruses, bacteria and molds.

Installation / Support

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

Drain pump as standard

Blue fin

Refrigerant cycle monitor
The values of each sensor and actuator can be displayed, and the status of the refrigeration cycle can be checked.

All DC models

Wall-mounted type

Standard Series

High-Efficiency & Large Rooms



ALL DC

Economy · Powerful · 10°C HEAT · Low Noise · Auto Changeover · Double · Adjust · Restart · Sleep · Program · Weekly · Filter · ION · AF · Washable

High energy saving

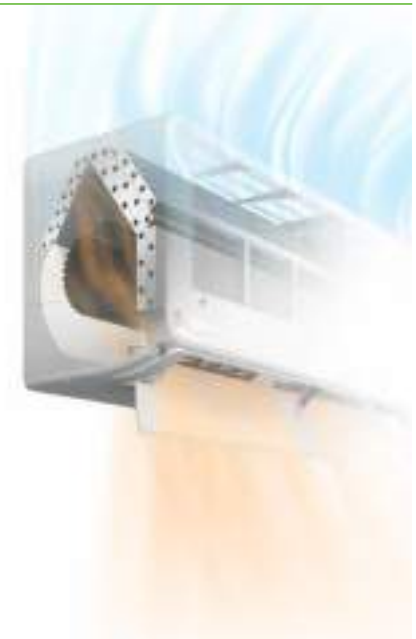
Top class high efficiency is achieved by high efficient lambda-shaped heat exchanger, large cross flow fan and new refrigerant.

Rank A++ *1

SEER 7.8 *1

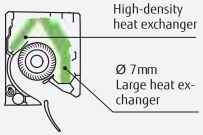
SCOP 4.6 *1

*18 model



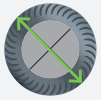
Hybrid-heat exchanger

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.



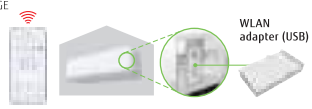
Smart device control (Option)

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.

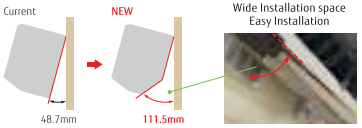
You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.

AIRSTAGE Mobile



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





Wireless RC



For ASYG18KMTE For ASYG24KMTE

Specifications

Model name	Indoor unit			ASYG18KMTE	ASYG24KMTE
	Outdoor unit			AOYG18KMTA	AOYG24KMTA
Power Source				Single phase, ~230 V, 50 Hz	
Capacity	Cooling		kW	5.2 (0.9-6.0)	7.1 (0.9-8.3)
	Heating			6.3 (0.9-8.7)	8.0 (0.9-10.1)
Input Power	Cooling/Heating		kW	1.39/1.56	2.08/1.91
EER	Cooling		W/W	3.74	3.41
COP	Heating			4.04	4.19
Pdesign	Cooling/Heating (-10°C)		kW	5.2/4.8	7.1/7.1
SEER	Cooling		W/W	7.77	7.30
SCOP	Heating (Average)			4.60	4.20
Energy Efficiency Class	Cooling			A++	A++
	Heating (Average)			A++	A+
Max. Operating Current	Cooling/Heating		A	9.5/13.5	13.5/16.0
Annual Energy Consumption	Cooling		kWh/a	234	340
	Heating			1,460	2,362
Moisture Removal			l/h	1.7	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/40/35/29	49/40/35/29
	Indoor (Heating)	H/M/L/Q		46/40/35/29	49/40/35/29
	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	m^3/h	980/2,350	1,170/3,240
	Indoor/Outdoor (Heating)	High		1,020/2,100	1,170/2,820
Net Dimensions H x W x D	Indoor		mm	280 × 980 × 240	280 × 980 × 240
	Outdoor		mm	632 × 799 × 290	716 × 820 × 315
Weight	Indoor		kg (lbs)	12.5 (28)	12.5 (28)
	Outdoor		kg (lbs)	36 (79)	42 (93)
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/12.70	6.35/12.70
Drain Hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max. Pipe Length (Pre-Charge)			m	25 (15)	30 (15)
Max. Height Difference				20	25
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)
	Charge		kg (CO2eq-T)	1.02 (0.689)	1.32 (0.891)

Optional parts

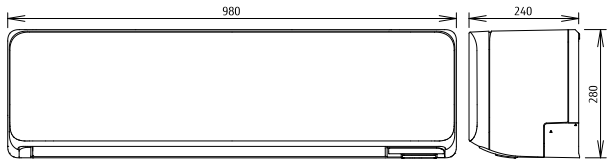
* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-048.

Compact wired remote controller:	UTY-RCRYZ1	Communication kit:	UTY-TWRXZ2	Network Convertor 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 Convertor 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-XWZXZ5

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

Dimensions

(Unit: mm)



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	●	●	●	○	○	○	
	Multi system control					○		
	Special cooling					●		
Clean Features	Ion deodorization filter	●	●	●	●	●		
	Apple-catechin filter	●	●	●	●	●		
	Long-life filter							
	Washable panel	●	●	●	●	●	●	●
	Silver Ion Filter	○	○	○	○	○	○	○
Installation/Support	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-RNRYZ5) 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 (Compact & Comfort)	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	ARXG09/12/14/18KLLAP	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										
Energy-Saving Features: Occupancy sensor control		○								
Energy-Saving Features: Economy operation	●	●	●	●	●	●	●	●	●	●
Energy-Saving Features: Setting temperature range limitation	○	●	○	●	○	○	○	●	○	●
Energy-Saving Features: Set temperature auto return	●	●	●	●	●	○	○	●	○	●
Features for Comfort: Power diffuser										
Features for Comfort: Powerful operation									●	
Features for Comfort: 10°C Heat	●	○	○	○	○	○	○	○	●	○
Features for Comfort: Outdoor unit low noise operation		○ (45/54)		○ (45/54)	○ (45) (36LMLA)		○	○	●	○
Features for Comfort: Auto changeover	●	●	●	●	●	●	●	●	●	●
Features for Comfort: UP/DOWN swing louver	●	●	○						●	●
Features for Comfort: Double swing automatic										
Features for Comfort: Automatic fan speed	●	●	●	●	●	●	●	●	●	●
Features for Comfort: Auto restart	●	●	●	●	●	●	●	●	●	●
Features for Comfort: Connectable fresh air duct		●		●	●					●
Features for Comfort: Fresh air intake	○	○	○	○	○	○	○	○		○
Features for Comfort: Connectable distributing duct		●			●					
Features for Comfort: Individual airflow direction control		●								
Convenience Features: Auto-off timer	●	●	●	●	●	●	○	●	○	●
Convenience Features: Sleep timer	●	○	○	○	○	○	○	○	●	○
Convenience Features: Program timer	●	○	○	○	○	○	○	○	●	○
Convenience Features: Weekly timer	●	●	●	●	●	●		●	●	●
Convenience Features: Weekly & Temperature setback timer	○		●		●	●	●			
Convenience Features: Filter sign	●	●	●	●	●	●	●	●	●	●
Convenience Features: External error output		○		○		○		○	○	○
Convenience Features: External ON/OFF input	●	●	●	●	●	●	○	●	○	●
Convenience Features: Wireless LAN control	○	○	○	○	○	○	○	○	○	○
Convenience Features: Multi system control										
Convenience Features: Special cooling										
Clean Features: Ion deodorization filter									●	
Clean Features: Apple-catechin filter									●	
Clean Features: Long-life filter				○	○	○	○	○		
Clean Features: Washable panel										
Clean Features: Silver Ion Filter	○	○	○	○	○	○		○	○	
Installation/Support: Automatic airflow adjustment				●				●		
Installation/Support: Drain pump as standard	●	●	●	●	○			○		○
Installation/Support: Blue fin		● (30/36/45/54)		● (30/36/45/54)	● (30/36/45)	●	●	●		● (30/36/45/54)
Installation/Support: Refrigerant cycle monitor										

*1 For details of Multi System Control function, refer to C-011. *2 Wired remote controller (UTY-RNRYZ5) is required to use Special Cooling function.

○: Optional function