



Light Commercial & Residential SPLIT

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Refrigerant type R410A models

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Indoor Units Lineup



Type	Series	Refrigerant	Model	Capacity	
				7	9
Wall Mounted	Designer Series High Spec & Design				ASYG07KGTB ASYG09KGTB
	Designer Series Design				ASYG07KETA ASYG07KETA-B ASYG09KETA ASYG09KETA-B
	Standard Series High Efficiency & Comfort				ASYG07KMCC* ASYG09KMCC*
	Standard Series High Efficiency & Large Room				
	Standard Series High Efficiency & Large Room				
	Economy Series Compact & Comfort				ASYG09KPCA
	Economy Series Comfort for Large Room				
Cassette	Compact 4-way Flow Series Compact & Comfort				AUXG09KVLA
	Circular Flow Series Comfort for Large Room				
Duct	Slim Duct				ARXG09KLLAP
	Medium Static Pressure Duct Compact & Comfort				
	Medium Static Pressure Duct Economy				
	High Static Pressure Duct				
Ceiling					



Type	Series	Refrigerant	Model	Capacity		
				7	9	12
Duct	High Static Pressure Duct					
	Big Duct					
Floor	Compact & Comfort				AGYG09LVCA	AGYG12LVCA
Floor/Ceiling	Comfort & Dual Design					



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

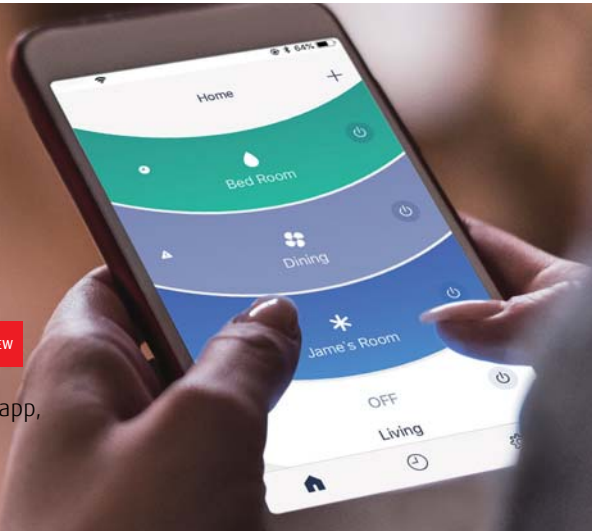
Capacity								
12	14	18	22	24	30	36	45	54
ASYG12KGTB	ASYG14KGTB							
ASYG12KETA ASYG12KETA-B	ASYG14KETA ASYG14KETA-B							
ASYG12KMTB ASYG12KMCC*	ASYG14KMTB ASYG14KMCC*							
		ASYG18KMTA		ASYG24KMTA				
					ASYG30KMTA	ASYG36KMTA		
ASYG12KPCA								
		ASYG18KLCA*		ASYG24KLCA*				
AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA				
		AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP						
ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
			ARXG22KMLA	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	
							ARXG45KHTA	ARXG54KHTA
		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA

Capacity									
14	18	24	30	36	45	54	60	72	90
							ARYG60LHTA		
								ARYG72LHTA*	ARYG90LHTA*
AGYG14LVCA									
	ABYG18LVTB	ABYG24LVTA							

Control Operation from Anywhere

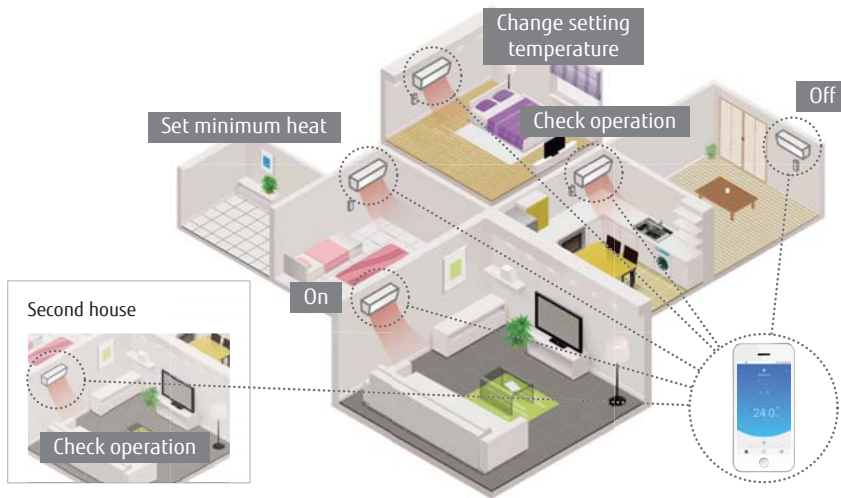
User friendly screen display facilitates easy operation. **NEW**

By using our Wireless LAN Interface and "FGLair" app, you can control your home's cooling and heating anytime and anywhere.



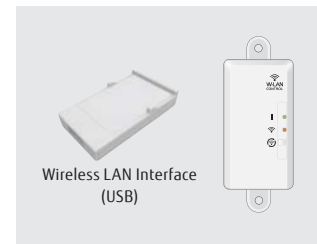
If you forget to turn off your system before you left your home - no problem!

"FGLair" is an application software that enables you to operate the Fujitsu General's air conditioner(s) with a mobile device from either in your home or when you are on travelling.



Wireless LAN Interface

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



+

FGLair

Download Free



New Compact Wired Remote Controller

Large screen and simple display

- Although the controller is compact, the screen is large
- Large letters makes it easy to see
- Operation is simple and easy-to-understand

Feature Explanation

Energy Saving Function



Dual side fans

Comfortable space can be created with Hybrid Airflow, which creates areas of different temperatures air current and velocities.



Economy mode

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



Save human sensor

Human sensor detects the movement of people in the room to operate the energy saving function operation.



Room temperature set point limitation

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



Save & Stop human sensor

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



Set temperature auto return

The setting temperature automatically returns to the previously set temperature.

Comfortable Function



Powerful heating

Keeping the rated heating capacity even when the outdoor ambient temperature is -7°C.



Powerful mode

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



Auto-changeover

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



Automatic fan speed

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



Fresh air intake

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



Power diffuser

An additional louvre that opens based on monitoring sensors to quickly enhance immediate comfort needs.



10°C HEAT operation

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



Up/down swing flaps

The up/down flaps automatically swing up and down.



Auto restart

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



Connectable distributing duct

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



Server room operation

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



Low noise mode

Sound noise level of outdoor unit can be selected.



Double swing automatic

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



Connectable fresh air duct

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



Individual airflow direction control

Each louvre of 4-way Cassette type can be controlled individually and provides comfortable airflow.

Convenient Function



Auto off timer

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



Weekly timer

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



External error output



Sleep timer

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



Weekly + setback timer

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



External ON/OFF input



Program timer

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



Filter sign

Indicates the filter cleaning period by lamp.



Wireless LAN control

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

Clean Function



Plasma air clean

The electrostatic precipitator removes dust particles such as pollens and house dust. It is washable so can be kept clean.



Apple-catechin filter

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



Filter auto clean

The dust collected by the air filter is automatically removed. A routine disposal of the dust stored in the dust box is necessary.



Long life filter



Ion deodorisation filter

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



Washable panel

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

Installation



Automatic airflow adjustment

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



Drain pump as standard



Blue fin



ALL DC models



i-PAM control models









































i-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform.



V-PAM control models







V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology.

Feature Summary

Type		Wall Mounted			
Series	High Spec Series	Designer Series	Standard Series		
					
Model No.	ASYG 07/09/12/14 KGTB	ASYG 07/09/12/14 KETA, ASYG 07/09/12/14 KETA-B	ASYG 07/09/12/14 KMTA KMCC	ASYG 18/24KMTA	
					
Energy Saving Function	 Dual side fans				
	 Save human sensor	●			
	 Save & Stop human sensor				
	 Economy mode	●	●	●	●
	 Room temperature set point limitation	○		○	○
 Set temperature auto return	○		○	○	
Comfortable Function	 Powerful heating				
	 Powerful mode	●	●	●	●
	 10°C HEAT operation	●	●	●	●
	 Low noise mode	●	●	●	●
	 Auto-changeover	●	●	●	●
	 Up/down swing flaps	●	●	●	●
	 Double swing automatic				●
	 Automatic fan speed	●	●	●	●
	 Auto restart	●	●	●	●
	 Auto off timer	○		○	○
Convenient Function	 Sleep timer	●	●	●	●
	 Program timer	●	●	●	●
	 Weekly timer	●	●	○	●
	 Weekly + setback timer	○		○	○
	 Filter sign	●	●	●	●
	 External error output	○		○	○
	 External ON/OFF input	○		○	○
 Wireless LAN control	○		○	○	
Clean Function	 Plasma air clean				
	 Ion deodorisation filter	●	●	○	●
	 Apple-catechin filter	●	●	○	●
	 Long life filter				
 Washable panel	●	●		●	
Installation	 Automatic airflow adjustment				
	 Drain pump as standard				
	 Blue fin				

Wall Mounted

Economy Series

			
	ASYG 30/36KMTA	ASYG 07/09/12 KPCA	ASYG 18/24KLCA
			
	●		
	●	●	●
	○		
	○		
	●	●	●
	●		
	●	●	●
	●	●	●
	●	●	●
	●	●	●
	●	●	●
	○		
	●	●	●
	●	●	●
	●		
	○	●	●
	○		
	○		
	○	○	
	●		
	●		
		●	●
	●		

○: Optional function

Feature Summary

Type		Cassette			Duct	
Series	Compact 4-way Flow Series	Circular Flow Series	Slim (With drain pump)	Medium Static Pressure (Compact & Comfort)	Medium Static Pressure (Economy)	
Model No.	AUXG 09/12/14/ 18/22/24 KVLA	AUXG 18/22/24/ 30/36/45/54 KRLB	ARXG 09/12/14/18 KLLAP	ARXG 12/14/18/ 22/24/30/ 36/45/54 KHTAP	ARXG 22/24/ 30/36/45 KMLA	
Energy Saving Function	Dual side fans					
	Save human sensor					
	Save & Stop human sensor		○			
	Economy mode	●	●	●	●	●
	Room temperature set point limitation	○	●	○	●	○
	Set temperature auto return	●	●	●	●	●
Comfortable Function	Powerful heating					
	Power diffuser					
	Server room operation					
	Powerful mode					
	10°C HEAT operation	●	○	○	○	○
	Low noise mode		○ (45/54)		○ (45/54)	○ (45)(36/MLA)
	Auto-changeover	●	●	●	●	●
	Up/down swing flaps	●	●	○		
	Double swing automatic					
	Automatic fan speed	●	●	●	●	●
	Auto restart	●	●	●	●	●
	Connectable fresh air duct		●		●	●
	Fresh air intake	○	○	○	○	○
	Connectable distributing duct		●			●
	Individual airflow direction control		●			
	Convenient Function	Auto off timer	●	●	●	●
Sleep timer		●	○	○	○	○
Program timer		●	○	○	○	○
Weekly timer		●	●	●	●	●
Weekly + setback timer		○		●	●	●
Filter sign		●	●	●	●	●
External error output			○		○	
External ON/OFF input		●	●	●	●	●
Wireless LAN control		○	○	○	○	○
Clean Function	Plasma air clean					
	Filter auto clean					
	Ion deodorisation filter					
	Apple-catechin filter					
	Long life filter				○	○
	Washable panel					
Installation	Automatic airflow adjustment				●	
	Drain pump as standard	●	●	●	●	○
	Blue fin		● (30/36/45/54)		● (30/36/45/54)	● (45)

Wall Mounted High Spec Series

High Spec & Design



High energy saving

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

Rank **A+++** ^{*1}

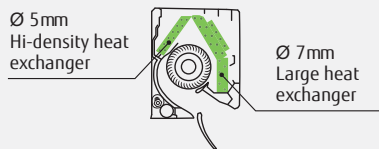
SEER **8.5** ^{*1} SCOP **5.1** ^{*1}

*1: 07, 09, 12 models



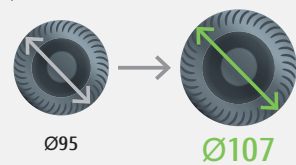
Hybrid-heat exchanger

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



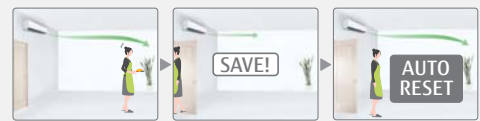
Ø107 Large cross-flow fan

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



Human sensor

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



Comfortable airflow & Silent operation

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



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

Smartphone Control (Option)

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



Wireless LAN Interface

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



Model: ASYG07KGTB / ASYG09KGTB / ASYG12KGTB / ASYG14KGTB



Wireless R.C.

Specifications

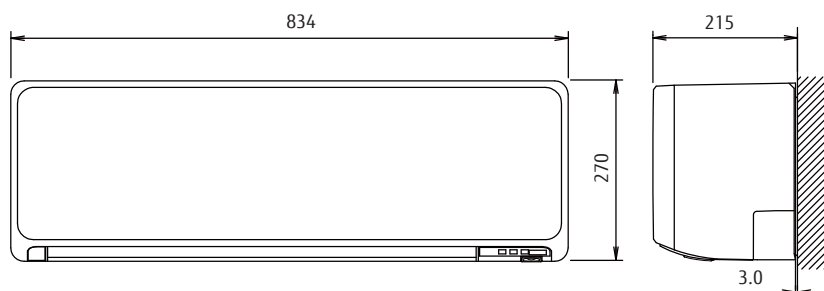
Model No.	Indoor unit		ASYG07KGTB	ASYG09KGTB	ASYG12KGTB	ASYG14KGTB	
	Outdoor unit		AOYG07KGTB	AOYG09KGTB	AOYG12KGTB	AOYG14KGTB	
Power Source	Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	2.00	2.50	3.40	4.20	
	Heating		2.50	2.80	4.00	5.40	
UK Total/Sensible Cooling			2.28/2.11	2.74/2.51	3.31/2.70	3.59/2.89	
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	
COP	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	8.52	8.52	8.51	7.11	
SCOP	Heating (Average)		5.12	5.11	5.10	4.31	
Energy Efficiency Class	Cooling	A+++		A+++	A+++	A++	
	Heating (Average)	A+++		A+++	A+++	A+	
Annual Energy Consumption	Cooling	kWh/a	82	103	140	207	
	Heating		628	658	685	1298	
Moisture Removal			1.0	1.3	1.8	2.1	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/19	40/34/29/19	40/35/30/19	43/36/30/20	
	Indoor (Heating)	H/M/L/Q	41/35/31/21	42/36/31/21	42/38/33/21	44/39/33/24	
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	
	Outdoor(Cooling/Heating)	High	61/62	61/63	65/66	65/66	
	Airflow Rate	Indoor / Outdoor	High	650/1610	700/1610	700/1680	770/1680
Net Dimensions H x W x D Weight	Indoor	mm	270*834*215				
		kg	10				
	Outdoor	mm	542*799*290				
		kg	30	30	31	32	
Remote Controller Type (Supplied With Unit)			Wireless	Wireless	Wireless	Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size			Amp	10	10	10	15
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5	
Power Supply To			Outdoor				
Connection Pipe Diameter (Gas & Liquid)			3/8 & 1/4				
Max Pipe Length (Pre-Charge)			20 (15)				
Max Height Difference			15				
Operation Range	Cooling	°CDB	-10 to 46				
	Heating		-15 to 24				
Refrigerant	Type	R32					
	Charge	g	750	750	850	850	
	Additional Charge	g/m	20	20	20	20	

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	Wireless LAN Interface:	UTY-TFSXW1	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Communication Kit:	UTY-TWRXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple Remote Controller (Without operation mode):	UTY-RHRY	KNX® Converter:	UTY-VKSX	Wireless interface for use with Smart home products:	FJ-AC-WIFI-1
Simple Remote Controller:	UTY-RSRY	MODBUS® Converter:	UTY-VMSX		
External Switch Controller:	UTY-TERX	External input and output PCB:	UTY-XCSXZ2		
		External Connect Kit:	UTY-XWZX		

Dimensions

(Unit : mm)



NEW

Wall Mounted Designer Series

Cool Beauty Design



Cool Beauty Design

We have aimed for a well-designed air conditioner especially for Europe. It is harmonised with its surroundings and it provides a comfortable elegant feeling in the room. A light elegant expression is apparent because of its beautifully curved design



CMF : COLOUR MATERIAL FINISH
The texture changes the expression by the changing light of the day.

High energy saving

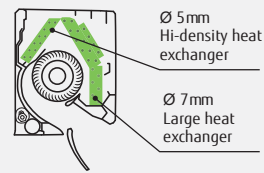
Top class high efficiency is achieved by the highly efficient lamda heat exchanger, large cross flow fan and new refrigerant.



SEER 7.4 *1
SCOP 4.4 *2

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

Hybrid-heat exchanger



Ø107 Large cross-flow fan



Comfortable airflow & Silent operation

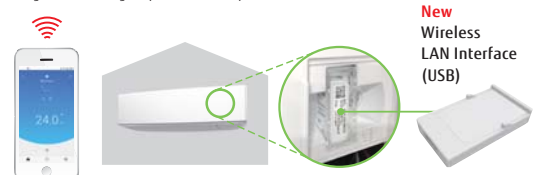
The large louvre and associated structures provide a comfortable air flow that spreads to user's feet with silent operation.



Smartphone control (Option)

This model can be controlled from anywhere using Smart Device Control by installing an optional wireless LAN interface. The wireless LAN interface can be installed easily without specialised installation work.

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



New
Wireless LAN Interface (USB)



Model: ASYG07KETA / ASYG09KETA / ASYG12KETA / ASYG14KETA (White)
ASYG07KETA-B / ASYG09KETA-B / ASYG12KETA-B / ASYG14KETA-B (Grey)



Peel white X White



Silver X Dark gray



Wireless R.C.



For ASYG07/09/12KETA
ASYG07/09/12KETA-B



For ASYG14KETA
ASYG14KETA-B

Specifications

				TENTATIVE								
Model No.	Indoor unit			ASYG07KETA ASYG07KETA-B	ASYG09KETA ASYG09KETA-B	ASYG12KETA ASYG12KETA-B	ASYG14KETA ASYG14KETA-B					
	Outdoor unit			AOYG07KETA	AOYG09KETA	AOYG12KETA	AOYG14KETA					
Power Source				Single phase, ~230V, 50Hz								
Capacity	Cooling	kW	2.0 (0.9 - 3.0)				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)	5.4 (0.9 - 6.0)				
UK Total/sensible cooling				2.59 / 2.44				2.65 / 2.50	3.29 / 2.71	3.65 / 2.75		
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			
COP	Heating		4.52				4.52	4.17	3.83			
Pdesign	Cooling/Heating(-10°C)	kW	2.0 / 2.3				2.5 / 2.4	3.4 / 2.5	4.2 / 4.0			
SEER	Cooling	W/W	7.40				7.40	7.30	6.9			
SCOP	Heating (Average)		4.10				4.10	4.40	4.1			
Energy Efficiency Class	Cooling	A++				A++	A++	A++				
	Heating (Average)	A+				A+	A+	A+				
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(lbs)	11(24)				11(24)	11(24)	11.5(25)			
	Outdoor	kg(lbs)	23(51)				23(51)	25(55)	31(68)			
Remote Controller Type (Supplied With Unit)				Wireless								
Interconnecting Cable (Suggested cable size 1.5mm)				3 Core + Earth								
Suggested MCB Size				Amp				15	15	15	15	
Max. Operating Current				Cooling/Heating				A	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0
Power Supply To				Outdoor								
Connection Pipe Diameter (Gas / Liquid)				Inch				3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	
Max Pipe Length (Pre-Charge)				m				20 (15)	20 (15)	20 (15)	20 (15)	
Max Height Difference				m				15	15	15	15	
Refrigerant	Type	R32 (675)		R32 (675)		R32 (675)		R32 (675)				
	Charge	g/m	600				600	700	850			
	Additional Charge	g	20				20	20	20			
Operation Range	Cooling	°CDB	-10 to 46				-10 to 46	-10 to 46	-10 to 46			
	Heating		-15 to 24				-15 to 24	-15 to 24	-15 to 24			

Optional parts

Compact Wired Remote Controller:

UTY-RCRYZ1

Wired Remote Controller (Touch Panel):

UTY-RNRYZ3

Simple Remote Controller (Without operation mode):

UTY-RHRY

Simple Remote Controller:

UTY-RSRY

Communication Kit:

UTY-TWRXZ2

External input and output PCB:

UTY-XCSXZ2

External Connect Kit:

UTY-XWZXZ5

External Switch Controller:

UTY-TERX

Wireless LAN Interface:

UTY-TFSXF2

Network Converter for single split (DC power supply type):

UTY-VTGX

Network Converter for single split (AC power supply type):

UTY-VTGXV

KNX® Converter:

UTY-VKSX*

MODBUS® Converter:

UTY-VMSX*

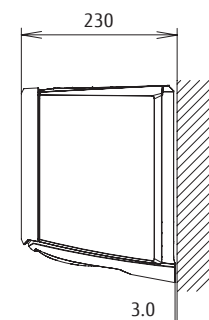
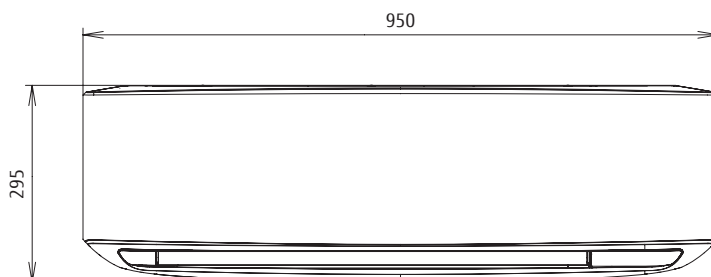
Wireless interface for use with Smart home products:

FJ-AC-WIFI-1

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

Dimensions

(Unit : mm)



NEW

Wall Mounted Standard Series

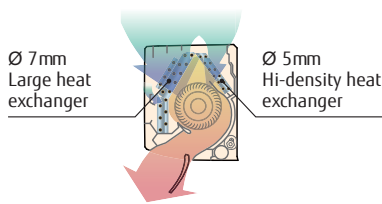
High Efficiency & Comfort



Slim & stylish square design

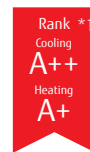
Slim and stylish square design is realised by using a high density multi-path heat exchanger and a high efficiency fan.

Hybrid-heat exchanger



High energy saving

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



SEER 7.4 *1

SCOP 4.4 *2

*1: 07/09 models

*2: 12 model

Comfortable airflow & Silent operation

The large louvre and associated structures provide a comfortable air flow that spreads to user's feet with silent operation.



20dB(A)
Cooling only

Smartphone Control (Option)

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



Wireless LAN Interface

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



Model: ASYG07KMCC / ASYG09KMCC / ASYG12KMTB(CC) / ASYG14KMTB(CC)



Wireless R.C.

Specifications

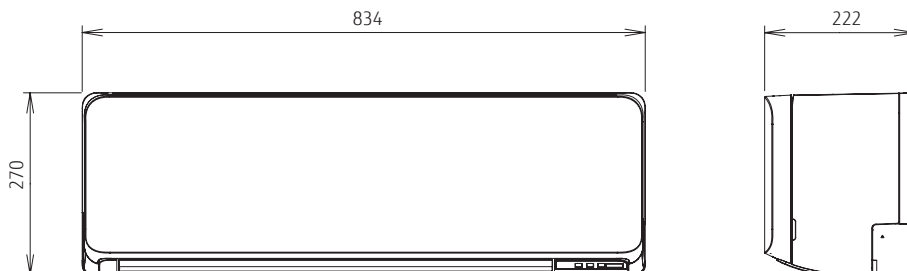
Model No.	Indoor unit		ASYG07KMCC	ASYG09KMCC	ASYG12KMTB ASYG12KMCC	ASYG14KMTB ASYG14KMCC	
	Outdoor unit		AOYG07KMCC	AOYG09KMCC	AOYG12KMTB AOYG12KMCC	AOYG14KMTB AOYG14KMCC	
Power Source	Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)	
	Heating		2.5 (0.9-3.4)	2.8 (0.9-4.0)	4.0 (0.9-5.3)	5.4 (0.9-6.0)	
UK Total/Sensible Cooling			2.59/2.44	2.65/2.50	3.29/2.71	3.65/2.75	
Input Power	Cooling/Heating		0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410	
EER	Cooling	W/W	4.43	3.97	3.65	3.44	
	Heating		4.52	4.52	4.17	3.83	
Pdesign	Cooling/Heating(-10°C)		2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0	
SEER	Cooling	W/W	7.40	7.40	7.30	6.90	
	Heating (Average)		4.10	4.10	4.40	4.10	
Energy Efficiency Class	Cooling	A++		A++	A++	A++	
	Heating (Average)	A+		A+	A+	A+	
Annual Energy Consumption	Cooling	kWh/a	97	118	168	213	
	Heating		785	820	813	1366	
Moisture Removal			1.0	1.3	1.8	2.1	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	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
	Outdoor(Cooling/Heating)	High		46/46	46/46	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	54/56	55/57	55/58	57/59	
	Outdoor(Cooling/Heating)	High	61/61	61/62	65/65	65/66	
Airflow Rate	Indoor / Outdoor	High	m ³ /h	650/720	700/750	700/770	770/800
Net Dimensions H x W x D Weight	Indoor	mm	270×834×222	270×834×222	270×834×222	270×834×222	
		kg	10	10	10	10	
	Outdoor	mm	541×663×290	541×663×290	541×663×290	542×799×290	
		kg	23	23	25	31	
Remote Controller Type (Supplied With Unit)	Wireless						
Interconnecting Cable (Suggested cable size 1.5mm)	3 Core + Earth						
Suggested MCB Size	Amp		10	10	10	15	
Max. Operating Current	Cooling/Heating		A	6.5/9.0	6.5/9.0	6.5/9.0	
Power Supply To	Outdoor						
Connection Pipe Diameter (Gas / Liquid)	Inch		3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	
Max Pipe Length (Pre-Charge)	m		20 (15)	20 (15)	20 (15)	20 (15)	
Max Height Difference			15	15	15	15	
Refrigerant	Type	R32		R32	R32	R32	
	Charge	g	600	600	700	850	
	Additional Charge	g/m	20	20	20	20	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	

Optional parts

Wired Remote Controller:	UTY-RVNYM	KNX® Convertor:	UTY-VKSX
Simple Remote Controller:	UTY-RSNYM	MODBUS® Convertor:	UTY-VMSX
External connect kit:	UTY-XWZX25	External Switch Controller:	UTY-TERX
Communication kit:	UTY-TWBXF2	Network Convertor for single split (DC power supply type):	UTY-VTGX
Wireless LAN Interface:	UTY-TFSXW1	Network Convertor for single split (AC power supply type):	UTY-VTGXV
		Wireless interface for use with Smart home products:	FJ-AC-WIFI-1

Dimensions

(Unit : mm)



Wall Mounted Standard Series

High Efficiency & Large Room



High energy saving

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

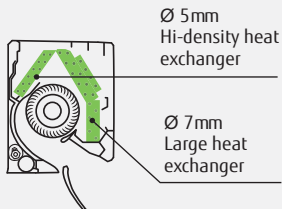


SEER 7.7 *1 SCOP 4.5 *1

*1: 18 model

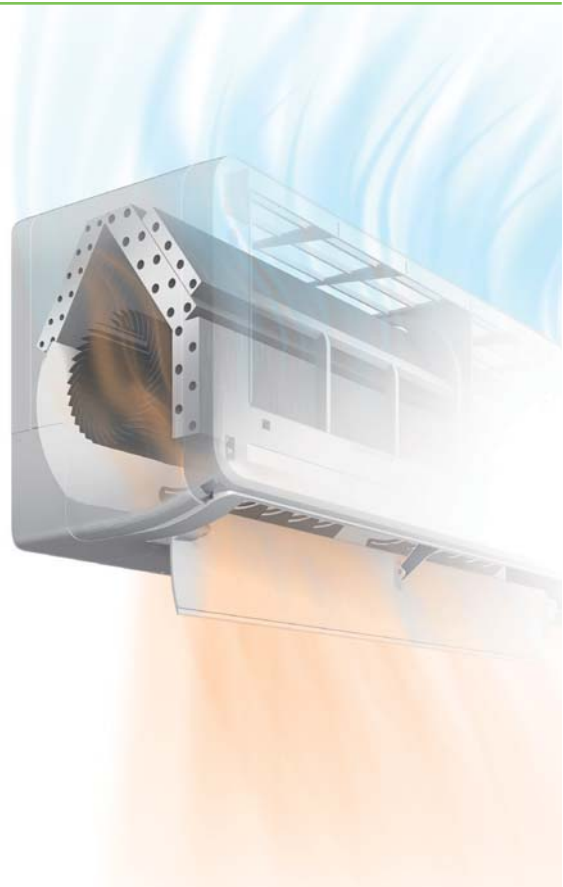
Hybrid-heat exchanger

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



Ø107 Large cross-flow fan

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



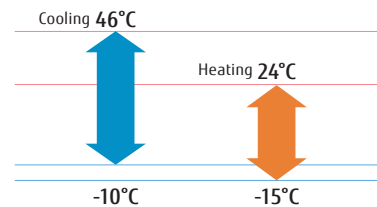
Smartphone Control (Option)

This model can be controlled from anywhere using Smart Device Control by installing an optional wireless LAN interface. The wireless LAN interface can be installed easily without specialised installation work.



Low ambient operation

-15°C at Heating



Model: ASYG18KMTA / ASYG24KMTA



Wireless R.C.

Specifications

Model No.	Indoor unit		ASYG18KMTA		ASYG24KMTA	
	Outdoor unit		AOYG18KMTA		AOYG24KMTA	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	5.2(0.9-6.0)		7.1(0.9-8.3)	
	Heating		6.3(0.9-8.7)		8.0(0.9-10.1)	
UK Total/sensible cooling		kW	4.91 / 3.76		6.7 / 4.93	
Input Power	Cooling/Heating		1.39/1.56		2.08/1.91	
EER	Cooling		3.74		3.41	
COP	Heating		4.04		4.19	
Pdesign	Cooling/Heating(-10°C)		5.2/4.8		7.1/7.1	
SEER	Cooling		7.77		7.28	
SCOP	Heating (Average)		4.56		4.18	
Energy Efficiency Class	Cooling		A++		A++	
	Heating (Average)		A+		A+	
Annual Energy Consumption	Cooling		234		341	
	Heating		1,472		2,372	
Moisture Removal		l/h	1.3		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	
Sound Power Level	Outdoor(Cooling/Heating)	High	50/50		54/52	
	Indoor(Cooling/Heating)	High	60/61		65/65	
Airflow Rate	Indoor / Outdoor (Cooling)	High	980/2,346		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 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	
Remote Controller Type (Supplied With Unit)			Wireless		Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth			
Suggested MCB Size		Amp	16		16	
Max. Operating Current	Cooling/Heating		9.5/13.5		13.5/16.0	
Power Supply To			Outdoor			
Connection Pipe Diameter (Gas/Liquid)		Inch	1/2 & 1/4		1/2 & 1/4	
Max Pipe Length (Pre-Charge)		m	25(15)		30(15)	
Max Height Difference			20		25	
Operation Range	Cooling		-10 to 46		-10 to 46	
	Heating		-15 to 24		-15 to 24	
Refrigerant	Type		R32		R32	
	Charge		1020		1320	
	Additional Charge		20		20	

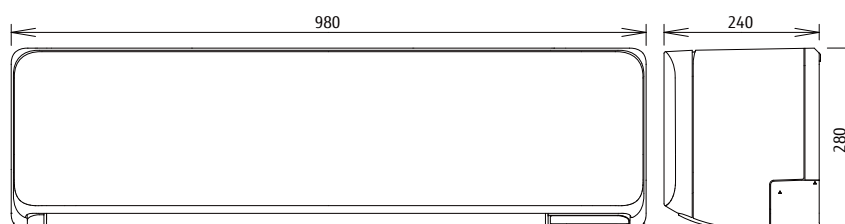
Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	Communication Kit:	UTY-TWRXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	External input and output PCB:	UTY-XCSXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple Remote Controller (Without operation mode):	UTY-RHRY	External Connect Kit:	UTY-XWZXZ5	KNX® Converter:	UTY-VKSX*
Simple Remote Controller:	UTY-RSRY	Wireless LAN Interface:	UTY-TFSXF2	MODBUS® Converter:	UTY-VMSX*
		External Switch Controller:	UTY-TERX	Wireless interface for use with Smart home products:	FJ-AC-WIFI-1

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

Dimensions

(Unit : mm)



NEW

Wall Mounted Standard Series

High Efficiency & Large Room



Small and light weight outdoor unit

This model is much more compact than a conventional outdoor unit. It can be installed with ease in restricted spaces.



Human sensor

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



Adopting new refrigerant R32

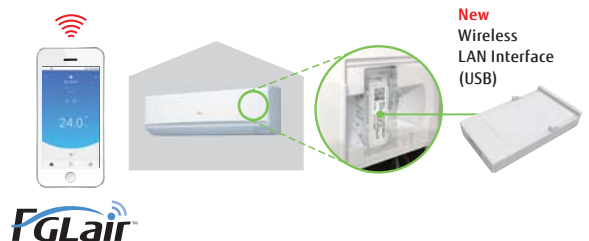
R32 Refrigerant has a lower global warming potential than other refrigerants currently available, making it a more environmentally friendly solution.



Smartphone control (option)

This model can be controlled from anywhere using Smart Device Control by installing an optional wireless LAN interface. The wireless LAN interface can be installed easily without specialised installation work.

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





Model: ASYG30KMTA / ASYG36KMTA



Specifications

				TENTATIVE	
Model No.	Indoor unit		ASYG30KMTA	ASYG36KMTA	
	Outdoor unit		AOYG30KMTA	AOYG36KMTA	
Power Source			Single phase, ~230V, 50Hz		
Capacity	Cooling	kW	8.0 (2.9-9.0)	9.4(2.9-10.0)	
	Heating		8.8(2.2-11.0)	10.1(2.7-11.2)	
UK Total/sensible cooling			7.55 / 8.87	5.82 / 6.70	
Input Power	Cooling/Heating	kW	2.33/2.20	3.16/2.73	
EER	Cooling		3.43	2.97	
COP	Heating	W/W	4.00	3.70	
	Cooling/Heating(-10°C)	kW	8.0/6.5	9.4/7.1	
SEER	Cooling		6.67	6.14	
SCOP	Heating (Average)	W/W	4.54	4.52	
	Cooling		A++	A++	
Energy Efficiency Class	Heating (Average)		A+	A+	
	Cooling	kWh/a	419	535	
Annual Energy Consumption	Heating		2,001	2,198	
	Moisture Removal	l/h	2.6	3.8	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	50/44/40/33	50/44/40/33	
	Indoor (Heating)	H/M/L/Q	49/44/39/33	49/44/39/33	
Sound Power Level	Outdoor(Cooling/Heating)	High	53/55	55/55	
	Indoor(Cooling/Heating)	High	65/65	65/65	
Airflow Rate	Outdoor(Cooling/Heating)	High	68/69	70/70	
	Indoor / Outdoor (Cooling)	High	1,330/3,750	1,330/3,750	
Net Dimensions H x W x D	Indoor / Outdoor (Heating)	High	1,330/3,750	1,330/3,750	
	Indoor	mm	340x1,150x280	340x1,150x280	
Weight	Outdoor	mm	788x940x320	788x940x320	
	Indoor	kg(lbs)	18.5(41)	18.5(41)	
Remote Controller Type (Supplied With Unit)	Outdoor	kg(lbs)	52.0(115)	52.0(115)	
	Indoor		Wireless	Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth		
Suggested MCB Size			Amp	25	25
Max. Operating Current			Cooling/Heating	A	21.0/21.0
Power Supply To			Outdoor		
Connection Pipe Diameter (Gas / Liquid)			Inch	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Pre-Charge)			m	50(30)	50(30)
Max Height Difference				30	30
Refrigerant	Type		R32	R32	
	Charge	g	1900	1900	
	Additional Charge	g/m	40	40	
Operation Range	Cooling	°CDB	-15to46	-15to46	
	Heating		-15to24	-15to24	

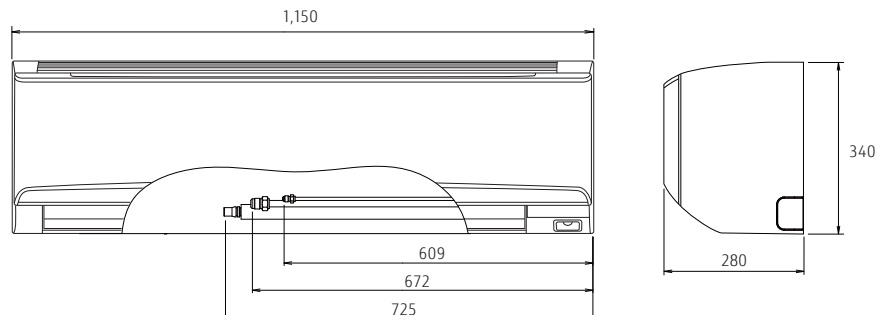
Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Input and Output PCB:	UTY-XCSXZ2	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Communication Kit:	UTY-TWRXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple Remote Controller (Without operation mode):	UTY-RHRY	Wireless LAN Interface:	UTY-TFSXF2	Wireless interface for use with Smart home products:	FJ-AC-WIFI-1
Simple Remote Controller:	UTY-RSRY	External Switch Controller:	UTY-TERX		
External Connect Kit:	UTY-XWZXZ5	KNX® Converter:	UTY-VKSX*		
		MODBUS® Converter:	UTY-VMSX*		

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

(Unit : mm)

Dimensions



Wall Mounted Economy Series

Compact & Comfort



Slim & stylish square design

Slim and stylish square design is achieved by a high density multi-path heat exchanger and a high efficiency fan.



High energy saving

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



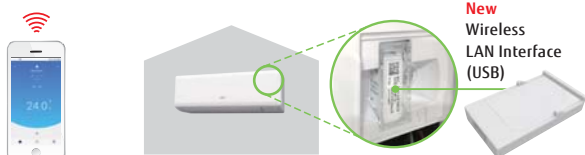
Comfortable airflow & Silent operation

The large louvre and associated structures provide a comfortable air flow that spreads to the user's feet with silent operation.

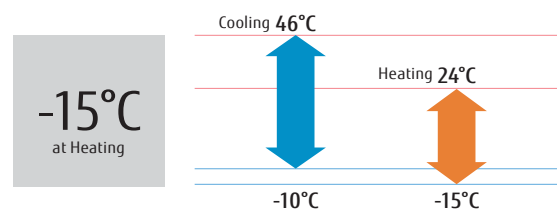


Smartphone Control (Option)

This model can be controlled from anywhere using Smart Device Control by installing an optional wireless LAN interface. The wireless LAN interface can be installed easily without specialised installation work.



Low ambient operation



Model: ASYG09KPCA / ASYG12KPCA



Wireless R.C.

Specifications

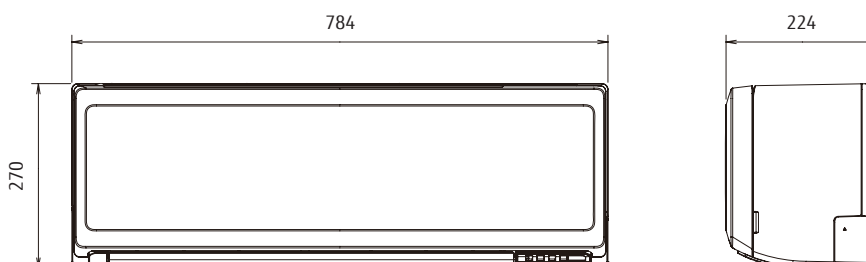
Model No.	Indoor unit		ASYG09KPCA		ASYG12KPCA	
	Outdoor unit		AOYG09KPCA		AOYG12KPCA	
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.5 (0.9-3.0)		3.4 (0.9-3.7)	
	Heating		2.8 (0.9-3.8)		3.8 (0.9-4.8)	
UK Total/sensible cooling		kW	2.42 / 1.59		3.09 / 2.01	
Input Power	Cooling/Heating		kW		0.71/0.79	
EER	Cooling		W/W		3.52	
COP	Heating		W/W		3.54	
Pdesign	Cooling/Heating(-10°C)		kW		2.5/2.4	
SEER	Cooling		W/W		6.70	
SCOP	Heating (Average)		W/W		4.00	
Energy Efficiency Class	Cooling		A++		A++	
	Heating (Average)		A+		A+	
Annual Energy Consumption	Cooling		kWh/a		131	
	Heating		kWh/a		840	
Moisture Removal			l/h		1.3	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	45/38/31/22		46/40/33/22	
	Indoor (Heating)	H/M/L/Q	45/40/36/26		46/40/35/27	
	Outdoor(Cooling/Heating)	High	47/47		49/51	
Sound Power Level	Indoor(Cooling/Heating)	High	57/58		59/59	
	Outdoor(Cooling/Heating)	High	59/59		62/62	
Airflow Rate	Indoor / Outdoor (Cooling)	High	630/1,650		630/1,700	
	Indoor / Outdoor (Heating)	High	630/1,450		630/1,470	
Net Dimensions H x W x D	Indoor		mm		270x784x224	
	Outdoor		mm		541x663x290	
Weight	Indoor		kg(lbs)		8(18)	
	Outdoor		kg(lbs)		23 (51)	
Remote Controller Type (Supplied With Unit)			Wireless		Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth			
Suggested MCB Size			Amp		10	
Max. Operating Current	Cooling/Heating		A		6.5/9.0	
Power Supply To			Outdoor			
Connection Pipe Diameter (Gas / Liquid)			Inch		3/8 & 1/4	
Drain hose Diameter (I.D./O.D.)					13.8/15.8 to 16.7	
Max Pipe Length (Pre-Charge)			m		20 (15)	
Max Height Difference					15	
Operation Range	Cooling		°CDB		-10 to 46	
	Heating		°CDB		-15 to 24	
Refrigerant	Type				R32	
	Charge		g		550	
	Additional Charge		g/m		20	

Optional parts

Wireless LAN Interface: UTY-TFSXF2
 Remote Controller Holder Kit: UTZ-RXLA
 Wireless interface for use with Smart home products: FJ-AC-WIFI-1

Dimensions

(Unit : mm)



Wall Mounted Economy Series

Comfort for Large Room



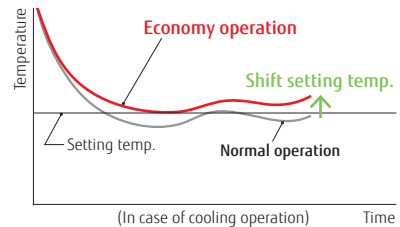
Narrow width & Compact Design

High performance and compact design model. Powerful airflow is generated despite a 790 mm wide compact design for compact spaces such as bedrooms or home offices.



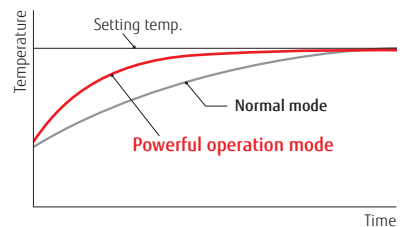
Economy operation

Room setpoint automatically changes by 1°C to avoid unnecessary cooling and heating.



Powerful operation

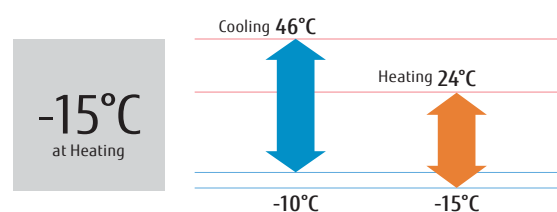
20 minutes continuous operation with maximum airflow and maximum compressor speed. Rapid cooling and heating make the room comfortable quickly.



ON-OFF Programmable timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your lifestyle. (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

Wireless R.C.

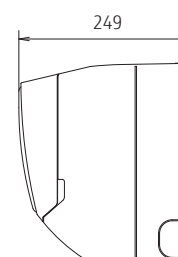
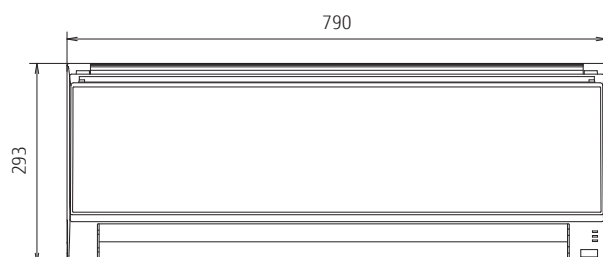
Specifications

Model No.	Indoor unit		Outdoor unit		ASYG18KLCA	ASYG24KLCA	
					AOYG18KLTA	AOYG24KLTA	
Power Source					Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW			5.2 (0.9-5.5)	7.1 (0.9-7.7)	
	Heating				6.3 (0.6-7.67)	8.0 (0.9-9.0)	
UK Total/sensible cooling					4.95/3.69	6.80/4.63	
Input Power	Cooling/Heating		kW		1.685/1.80	2.42/2.225	
EER	Cooling	W/W		3.09		2.93	
	Heating			3.50		3.60	
Pdesign	Cooling/Heating(-10°C)		kW		5.20/4.80	7.10/7.10	
SEER	Cooling	W/W		7.20		7.10	
	Heating (Average)			4.30		4.00	
Energy Efficiency Class	Cooling				A++		
	Heating (Average)				A+		
Annual Energy Consumption	Cooling	kWh/a		253		350	
	Heating			1563		2485	
Moisture Removal			l/h		1.9		3.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q			474/4/40/35		51/45/38/33
	Indoor (Heating)	H/M/L/Q			50/45/41/37		52/45/41/37
Sound Power Level	Outdoor(Cooling/Heating)	High	dB(A)		50/56		55/57
	Indoor(Cooling/Heating)	High			60/65		64/65
Airflow Rate	Outdoor(Cooling/Heating)	High			61/66		65/67
	Indoor / Outdoor (cooling)	High	m³/h		865/1,830		1,040/2,885
Net Dimensions H x W x D	Indoor		mm		293x790x249		293x790x249
			kg		9.5		10.0
Weight	Outdoor		mm		542x799x290		632x799x290
			kg(lbs)		33		38
Remote Controller Type					Wireless		
Interconnecting Cable (Suggested cable size 1.5mm)					3 Core + Earth		
Suggested MCB Size			Amp		16		20
Max. Operating Current	Cooling/Heating		A		9.5/13.5		13.5/17.5
Power Supply To					Outdoor		
Connection Pipe Diameter (Gas / Liquid)			Inch		3/8 & 1/4		1/2 & 1/4
Max Pipe Length (Pre-Charge)			m		25		30
Max Height Difference					20		25
Operation Range	Cooling	°CDB		-10 to 46		-10 to 46	
	Heating			-15 to 24		-15 to 24	
Refrigerant	Type				R32		R32
	Charge		g		850		1100
	Additional Charge		g/m		20		20

Optional parts

Dimensions

(Unit : mm)



ECONOMY & STANDARD Compact Cassette

Compact 4-way Flow Series

Compact & Comfort



NEW

Economy Specifications

Model No.	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit		AOYG09KATA	AOYG12KATA	AOYG14KATA	AOYG18KATA	AOYG22KATA	AOYG24KATA
Power Source			Single phase, ~230V, 50Hz					
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)	6.0(0.9-6.3)	6.8(0.9-7.4)
	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)	7.0(0.9-7.4)	7.5(0.9-8.6)
UK Total/sensible cooling			2.37 / 1.92	3.27 / 2.56	4.10 / 3.12	4.80 / 3.42	5.65 / 3.90	6.63 / 4.74
Input Power	Cooling/Heating	kW	0.68/0.88	1.09/1.17	1.37/1.42	1.69/1.72	1.95/2.00	2.26/2.08
EER	Cooling	W/W	3.68	3.21	3.14	3.08	3.08	3.01
	Heating		3.64	3.50	3.52	3.49	3.50	3.61
Pdesign	Cooling/Heating(-10°C)	kW	2.5/2.3	3.5/2.8	4.3/3.2	5.2/3.8	6.0/4.4	6.8/5.4
SEER	Cooling	W/W	6.2	6.1	6.1	6.1	6.1	5.9
	Heating		4.0	4.0	4.0	3.9	3.9	3.8
SCOP	Cooling	W/W	4.0	4.0	4.0	3.9	3.9	3.8
	Heating		4.0	4.0	4.0	3.9	3.9	3.8
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++	A+
	Heating		A+	A+	A+	A	A	A
Annual Energy Consumption	Cooling	kWh/a	141	201	247	298	344	403
	Heating		804	979	1,120	1,362	1,578	1,988
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	47/48	49/50	50/51	51/52	52/53	54/55
	Indoor(Cooling/Heating)	High	46/47	49/49	50/55	50/55	56/57	59/61
Airflow Rate	Outdoor(Cooling/Heating)	High	60/60	62/62	63/63	63/64	64/65	66/67
	Indoor / Outdoor (Cooling)	High	540/1,610	600/1,630	680/1,670	680/1,710	830/2,240	930/2,885
Net Dimensions H x W x D	Indoor / Outdoor (Heating)	High	540/1,550	600/1,410	800/1,580	800/1,840	860/2,240	930/2,350
	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570	245×570×570	245×570×570
Weight	Outdoor	mm	541×663×290	541×663×290	542×799×290	542×799×290	632×799×290	632×799×290
	Indoor	kg(lbs)	15(33)	15(33)	15(33)	15(33)	16(35)	16(35)
Weight	Outdoor	kg(lbs)	23(51)	25(55)	32(71)	33(73)	36(79)	38(84)
	Outdoor	kg(lbs)	23(51)	25(55)	32(71)	33(73)	36(79)	38(84)
Remote Controller Type (NOT Supplied With Unit)			NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY					
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth					
Suggested MCB Size		Amp	10	10	13	13	16	20
Max. Operating Current	Cooling/Heating	A	6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1	11.6/11.6	12.6/12.6
Power Supply To			Outdoor					
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	1/2 & 1/4	1/2 & 1/4	1/2 & 1/4
Max Pipe Length (Pre-Charge)		m	15 (15)	15 (15)	20 (15)	20 (15)	25 (15)	25(20)
Max Height Difference			15	15	15	15	20	20
Operation Range	Cooling	°CDB	-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
Refrigerant	Type		R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)
	Charge	g	600	700	850	900	1100	1250
	Additional Charge	g/m	-	-	20	20	20	20
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(lbs)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)

Easy maintenance

Maintenance is easy by removing the ceiling panel next to the grille, maintenance can be done, without the installation of a new inspection hole, so construction costs can be reduced.

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





For AUXG9/12/14KVLA



For AUXG18/22KVLA



For AUXG24KVLA

Standard Specifications

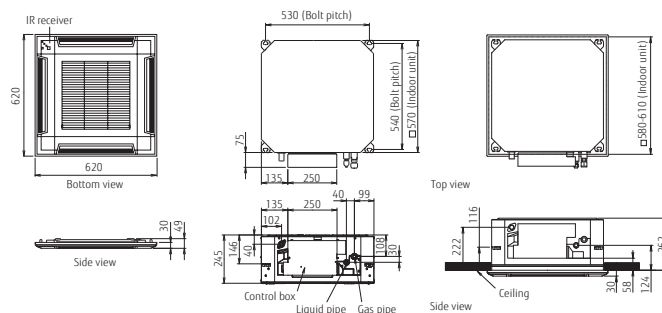
Model No.	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB
Power Source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)
	Heating		3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)
UK Total/sensible cooling			2.37 / 1.92	3.39 / 2.6	4.12 / 3.13	5.00 / 3.56	5.85/4.03	6.63 / 4.74
Input Power	Cooling/Heating	kW	0.55/0.79	0.93/1.08	1.28/1.32	1.60/1.66	1.82/1.87	2.21/2.03
EER	Cooling	W/W	4.57	3.76	3.36	3.25	3.30	3.08
COP	Heating		4.05	3.80	3.79	3.61	3.74	3.69
Pdesign	Cooling/Heating(-10°C)	kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4	6.0/4.8	6.8/6.0
SEER	Cooling	W/W	6.70	6.60	6.50	6.60	6.60	6.10
SCOP	Heating (Average)		4.40	4.30	4.40	4.20	4.30	4.00
Energy Efficiency Class	Cooling	A++		A++	A++	A++	A++	A++
	Heating (Average)	A+		A+	A+	A+	A+	A+
Annual Energy Consumption	Cooling	kWh/a	131	186	231	275	318	390
	Heating		826	1,106	1,208	1,466	1,562	2,097
Moisture Removal			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	Indoor / Outdoor (Cooling)	High	540/1,480	600/1,580	680/1,670	680/2,160	830/2,240	930/2,700
	Indoor / Outdoor (Heating)	High	540/1,410	600/1,520	800/1,580	800/1,830	860/1,960	930/2,700
Net Dimensions H x W x D	Indoor	mm	245x570x570	245x570x570	245x570x570	245x570x570	245x570x570	245x570x570
	Outdoor	mm	542x799x290	542x799x290	542x799x290	632x799x290	632x799x290	716x820x315
Weight	Indoor	kg(lbs)	15 (33)	15 (33)	15 (33)	15 (33)	16 (35)	16 (35)
	Outdoor	kg(lbs)	32 (71)	33 (73)	33 (73)	36 (79)	38 (84)	42 (93)
Remote Controller Type (NOT Supplied With Unit)			NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY					
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth					
Suggested MCB Size			10	10	16	16	16	16
Max. Operating Current	Cooling/Heating	A	7.9	9.7	10.2	12.1	12.6	13.6
Power Supply To			Outdoor					
Connection Pipe Diameter (Gas / Liquid)	Inch		3/8 + 1/4	3/8 + 1/4	3/8 + 1/4	1/2 + 1/4	1/2 + 1/4	1/2 + 1/4
Max Pipe Length (Pre-Charge)	m		20 (15)	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)
Max Height Difference			15	20	20	20	25	25
Refrigerant	Type	R32		R32	R32	R32	R32	R32
	Charge	g	850	850	850	1020	1250	1250
Operation Range	Additional Charge	g/m	20	20	20	20	20	20
	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
Heating	-15 to 24		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Cassette Grille Included	Model name	UTG-UFYF-W		UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W
	Dimensions (H x W x D)	mm	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620
	Weight	kg	2.3	2.3	2.3	2.3	2.3	2.3

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RVNYM	KNX® Converter:	UTY-VKSX	Fresh Air Intake Kit:	UTZ-VXAA
Simple Remote Controller (Without operation mode):	UTY-RHRY	MODBUS® Converter:	UTY-VMXSX	External input and output PCB:	UTY-XCSX
Simple Remote Controller:	UTY-RSRY	External Connect Kit:	UTY-XWZXZG	External input and output PCB Box:	UTZ-GXRA
Wireless Remote Controller:	UTY-LNTY			Wireless interface for use with Smart home products:	FJ-AC-WIFI-1

Dimensions

(Unit : mm)



ECONOMY & STANDARD Cassette

Circular Flow Series
Comfort for Large Room



(30/36/45/54)

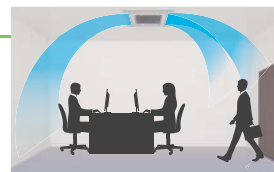
NEW

Economy Specifications

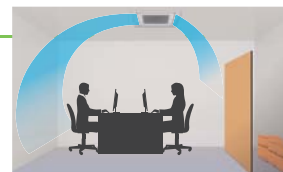
Model No.	Indoor unit		AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KQTA	AUXG45KQTA	AUXG54KQTA		
	Outdoor unit		AOYG18KATA	AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG54KATA	AOYG36KQTA	AOYG45KQTA	AOYG54KQTA		
Power Source			Single phase, ~230V, 50Hz									3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	5.2(0.9-5.4)	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)	13.4(4.5-13.8)	9.5(2.8-10.6)	12.1(4.0-12.6)	13.4(4.5-13.8)		
	Heating		6.0(0.9-6.3)	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)	15.5(4.7-16.0)	10.8(2.7-12.5)	13.5(4.2-15.0)	15.5(4.7-16.0)		
UK Total/sensible cooling			4.80/3.86	5.65/4.16	6.63/4.74	8.08/5.77	9.03/6.49	11.54/8.56	12.78/9.23	9.03/6.49	11.54/8.56	12.78/9.23		
Input Power	Cooling/Heating	kW	1.60/1.66	1.85/1.93	2.12/1.97	2.56/2.64	3.06/2.58	4.32/3.77	4.87/4.86	3.06/2.58	4.32/3.77	4.87/4.86		
EER	Cooling	W/W	3.25	3.24	3.21	3.32	3.10	2.80	2.75	3.10	2.80	2.75		
COP	Heating		3.61	3.63	3.81	3.79	4.19	3.58	3.19	4.19	3.58	3.19		
Pdesign	Cooling/Heating(-10°C)	kW	5.2/3.8	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-		
SEER	Cooling	W/W	6.2	6.2	6.1	6.1	6.1	-	-	6.1	-	-		
SCOP	Heating		4.1	4.1	4.0	4.0	4.0	-	-	4.0	-	-		
Energy Efficiency Class	Cooling	A++									A++			
	Heating	A+									A+			
Annual Energy Consumption	Cooling	kWh/a	293	338	390	488	545	-	-	545	-	-		
	Heating		1,297	1,502	1,887	2,794	3,044	-	-	3,044	-	-		
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	51/52	52/53	54/55	53/55	55/55	58/59	58/61	55/55	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	-/-	-/-		
	Outdoor(Cooling/Heating)	High	63/64	64/65	66/67	68/69	70/70	72/73	74/75	70/70	72/73	74/75		
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,050/1,710	1,050/2,240	1,150/2,885	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	1,050/1,840	1,050/2,240	1,150/2,350	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,780	1,870/3,750	2,000/4,450	2,100/4,780		
Net Dimensions H x W x D	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	542×799×290	632×799×290	632×799×290	788×940×320	788×940×320	998×940×320	998×940×320	788×940×320	998×940×320	998×940×320		
Weight	Indoor	kg(lbs)	23(51)	23(51)	24(53)	26(57)	29(64)	29(64)	29(64)	29(64)	29(64)	29(64)		
	Outdoor	kg(lbs)	33(73)	36(79)	38(84)	52(115)	52(115)	61(134)	63(139)	53(117)	62(137)	63(139)		
Remote Controller Type			Touch Panel Hard Wired Controller (Included with Grille)											
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth											
Suggested MCB Size	Amp		13	16	20	25	25	32	32	16	16	16		
Max. Operating Current	Cooling/Heating	A	10.1/10.1	11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	28.1/28.1	10.5/10.5	13.6/13.6	13.6/13.6		
Power Supply To			Outdoor											
Connection Pipe Diameter (Gas / Liquid)	Inch		1/2 & 1/4	1/2 & 1/4	1/2 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8		
Max Pipe Length (Pre-Charge)	m		20 (15)	25 (15)	25(20)	30(30)	30(30)	30(30)	30(30)	30(30)	30(30)	30(30)		
Max Height Difference			15	20	20	30	30	30	30	30	30	30		
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46		
	Heating		-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		R32	R32	R32	R32	R32	R32	R32	R32	R32	R32		
	Charge	g	900	1100	1250	1900	1900	2400	2400	1900	2400	2400		
	Additional Charge	g/m	20	20	20	-	-	-	-	-	-	-		
Cassette Grille	Model name	UTG-UKYA-W (Wired remote controller UTY-RNRYZ3 included)												
	Dimensions (H x W x D)	mm	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950		
	Weight	kg(lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)		

Unique Circular Flow design

This cassette discharges air through 360° through a seamless louvre design.



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



Efficient air conditioning based on the room layout

Individual louvre control

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

*Touch Panel Wired RC (UTY-RNRYZ3) only

Human sensor increases more energy saving

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

Model: AUXG18KRLB / AUXG22KRLB / AUXG24KRLB / AUXG30KRLB / AUXG36KRLB / AUXG45KRLB / AUXG54KRLB

NEW AUXG36KRLB [3 phase] / **NEW** AUXG45KRLB [3 phase] / **NEW** AUXG54KRLB [3 phase]



Standard Specifications

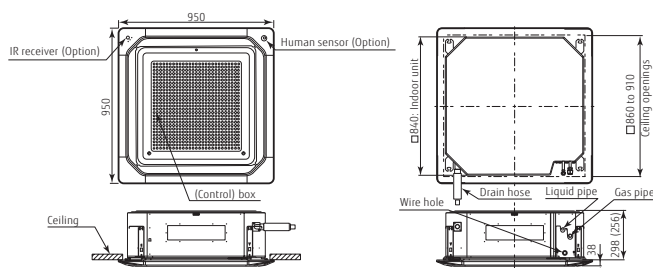
Model No.	Indoor unit		AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit		AOYG18KRTB	AOYG22KRTB	AOYG24KRTB	AOYG30KRTB	AOYG36KRTB	AOYG45KRTB	AOYG54KRTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
Power Source			Single-phase, ~230V, 50Hz						3 phase, ~400V, 50Hz			
Capacity	Cooling	kW	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating		6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)
UK Total/sensible cooling			5.0/14.03	5.85/4.30	6.63/4.74	8.08/8.77	9.05/6.49	11.54/8.56	12.73/9.23	9.03/6.49	11.54/8.56	12.78/9.23
Input Power	Cooling/Heating	kW	1.36/1.58	1.71/1.82	1.89/1.90	2.44/2.51	2.91/2.45	3.61/3.21	4.41/4.16	2.91/2.45	3.61/3.21	4.41/4.16
EER	Cooling	W/W	3.82	3.51	3.60	3.49	3.26	3.35	3.04	3.26	3.35	3.04
COP	Heating		3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-
SEER	Cooling	W/W	7.00	7.00	6.60	6.70	6.55	-	-	6.55	-	-
SCOP	Heating (Average)		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+	-	-
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			1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	57/59	55/55	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High	47/47	49/49	49/49	54/54	58/58	60/60	61/61	58/58	60/60	61/61
	Outdoor (Cooling/Heating)	High	62/62	63/63	65/66	68/69	70/70	71/71	73/73	70/70	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,050/2,160	1,050/2,240	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
	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 H x W x D	Indoor	mm	246x840x840	246x840x840	246x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
Weight	Outdoor	mm	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	998x940x320	788x940x320	998x940x320	998x940x320
	Indoor	kg(lbs)	23 (51)	23 (51)	24 (53)	26 (57)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)
Weight	Outdoor	kg(lbs)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	67 (148)	53 (117)	67 (148)	67 (148)
	Remote Controller Type		Touch Panel Hard Wired Controller (Included with Grille)									
Interconnecting Cable (Suggested cable size 1.5mm)		3 Core + Earth										
Suggested MCB Size	Amp		16	16	16	25	25	30	30	16	16	16
Max. Operating Current	Cooling/Heating	A	12.1	12.6	13.6	22.6	22.6	28.5	28.5	10.5/10.5	14.0/14.0	14.0/14.0
Power Supply To		Outdoor										
Connection Pipe Diameter (Gas / Liquid)	Inch		1/2 & 1/4	1/2 & 1/4	1/2 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	9.52/15.88	9.52/15.88	9.52/15.88
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
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-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
Refrigerant	Type	g	R32	R32	R32	R32	R32	R32	R32	R32 (675)	R32 (675)	R32 (675)
	Charge	g	1020	1250	1250	1900	1900	2700	2700	1900	2700	2700
	Additional Charge	g/m	20	20	20	40	40	40	40	40	40	40
Cassette Grille	Model Name	UTG-UKYA-W (Wired remote controller RTY-RNYZ3 included)										
	Dimensions (H x W x D)	mm	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950	53x950x950
	Weight	kg	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0 (13)	6.0 (13)	6.0 (13)

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	KNX® Converter:	UTY-VKSX	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RVNYM	MODBUS® Converter:	UTY-VMSX	Wireless interface for use with Smart home products: FJ-AC-WIFI-1	
Simple Remote Controller (Without operation mode):	UTY-RHRY	External input and output PCB:	UTY-XCSX		
Simple Remote Controller:	UTY-RSRY	External input and output PCB Box:	UTZ-GXRA	(Outdoor unit 30/36/45/54)	
Human Sensor Kit:	UTY-SHZXC	Fresh Air Intake Kit:	UTZ-VXRA	External Connect Kit:	UTY-XWZXZ3
External Switch Controller:	UTY-TERX	IR Receiver Unit	UTY-LBTYC		
External Connect Kit:	UTY-XWZXZG				

Dimensions

(Unit : mm)



() : AUXG18/22/24KRLB

ECONOMY & STANDARD Slim Duct

Slim & Comfort



NEW

Economy Specifications

Model No.	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOYG09KATA	AOYG12KATA	AOYG14KATA	AOYG18KATA
Power Source			Single phase, ~230V, 50Hz			
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)
UK Total/sensible cooling			2.37 / 1.86	3.27 / 2.49	4.10 / 3.12	4.80 / 3.54
Input Power	Cooling/Heating		0.69/0.88	1.09/1.17	1.37/1.42	1.66/1.71
EER	Cooling	W/W	3.62	3.21	3.14	3.13
	Heating		3.64	3.50	3.52	3.51
Pdesign	Cooling/Heating(-10°C)		2.5/2.3	3.5/2.8	4.3/3.2	5.2/3.8
SEER	Cooling	W/W	5.9	5.8	5.6	5.8
SCOP	Heating		3.8	3.8	3.8	3.8
Energy Efficiency Class	Cooling		A+	A+	A+	A+
	Heating		A	A	A	A
Annual Energy Consumption	Cooling	kWh/a	148	211	269	313
	Heating		847	1,031	1,177	1,398
Moisture Removal			0.7	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q				
Sound Power Level	Outdoor(Cooling/Heating)	High	47/48	49/50	50/51	51/52
	Indoor(Cooling/Heating)	High	57/57	58/58	60/60	58/58
Airflow Rate	Indoor / Outdoor (Cooling)	High	600/1,610	650/1,630	800/1,670	940/1,710
	Indoor / Outdoor (Heating)	High	600/1,550	650/1,410	800/1,580	940/1,840
Static pressure range (Standard)			0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor		198×700×620	198×700×620	198×700×620	198×900×620
	Outdoor		541×663×290	541×663×290	542×799×290	542×799×290
Weight	Indoor		17(37)	17(37)	17(37)	20(44)
	Outdoor		23(51)	25(55)	32(71)	33(73)
Remote Controller Type (NOT Supplied With Unit)			NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY			
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth			
Suggested MCB Size			10	10	13	13
Max. Operating Current	Cooling/Heating		6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1
Power Supply To			Outdoor			
Connection Pipe Diameter (Gas / Liquid)	Inch		3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	1/2 & 1/4
Max Pipe Length (Pre-Charge)	m		15 (15)	15 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15	15
Refrigerant	Type		R32	R32	R32	R32
	Charge	g	600	700	850	900
	Additional Charge	g/m	-	-	20	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24

Auto Louvre Grille Kit (Option)

Simple flat Auto Louvre will provide comfort airflow and harmonise with luxury interior.

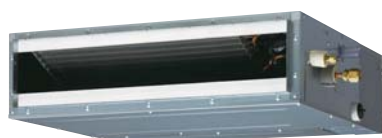


Height
198 mm
Drain pump
built-in

Slim design

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

Model : ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP



ARXG09/12/14KLLAP



ARXG18KLLAP



For ARXG09/12/14KLLAP



For ARXG18KLLAP

Standard Specifications

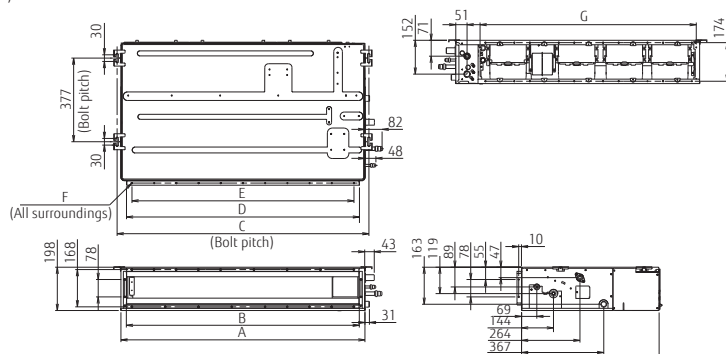
Model No.	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
UK Total/sensible cooling			2.37/1.86	3.39/2.54	4.12/3.13	5.01/3.69
Input Power	Cooling/Heating	kW	0.60/0.79	0.93/1.08	1.28/1.32	1.55/1.62
EER	Cooling	W/W	4.17	3.76	3.36	3.35
COP	Heating		4.05	3.80	3.79	3.70
Pdesign	Cooling/Heating (-10°C)	kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4
SEER	Cooling	W/W	6.20	6.10	5.80	6.20
SCOP	Heating		4.30	4.00	3.90	4.10
Energy Efficiency Class	Cooling	A++		A++	A+	A++
	Heating	A+		A+	A	A+
Annual Energy Consumption	Cooling	kWh/a	141	201	259	293
	Heating		845	1,189	1,362	1,501
Moisture Removal			0.7	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q	28/26/25/24	29/28/26/24	32/30/28/25	32/30/29/27
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	47/47	49/49	50/50
	Indoor (Cooling/Heating)	High	57/57	58/58	60/60	58/58
Airflow Rate	Indoor / Outdoor (Cooling)	High	600/1,480	650/1,580	800/1,670	940/2,160
	Indoor / Outdoor (Heating)	High	600/1,410	650/1,520	800/1,580	940/1,830
Static pressure range (Standard)			0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor	mm	198x700x620	198x700x620	198x700x620	198x900x620
Weight	Indoor	kg(lbs)	17 (37)	17 (37)	17 (37)	20 (44)
	Outdoor	kg(lbs)	32 (71)	33 (73)	33 (73)	36 (79)
Remote Controller Type (NOT Supplied With Unit)	NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY					
Interconnecting Cable (Suggested cable size 1.5mm)	3 Core + Earth					
Suggested MCB Size	Amp	10		10	16	16
Max. Operating Current	Cooling/Heating	A	7.9	9.7	10.2	12.1
Power Supply To	Outdoor					
Connection Pipe Diameter (Gas / Liquid)	Inch	3/8 & 1/4		3/8 & 1/4	3/8 & 1/4	1/2 & 1/4
Max Pipe Length (Pre-Charge)	m	20 (15)		25 (15)	25 (15)	30 (20)
Max Height Difference			15	20	20	20
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type	R32		R32	R32	R32
	Charge	g	850	850	850	1020
	Additional Charge	g/m	20	20	20	20

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RVNYM	KNX® Converter:	UTY-VKSX	Auto Louvre Grille Kit:	UTD-GXSA-W (09-14)
Simple Remote Controller (Without operation mode):	UTY-RHRY	MODBUS® Converter:	UTY-VMSX		UTD-GXSB-W (18)
Simple Remote Controller:	UTY-RSRY	Remote Sensor Unit:	UTY-XSZX	IR Receiver Unit:	UTY-LBTYM
				External Connect Kit:	UTY-XWZXCZG
				Wireless interface for use with Smart home products:	FJ-AC-WIFI-1

Dimensions

(Unit : mm)



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

STANDARD Medium Static Pressure Duct

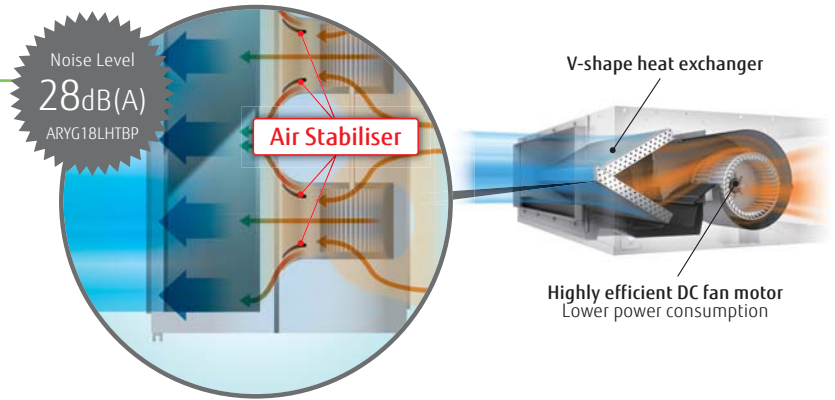
Compact & Comfort



(30/36/45/54)

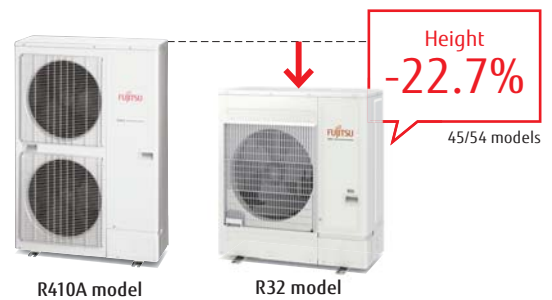
High Efficiency & Quiet operation

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



Small and light weight outdoor unit

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

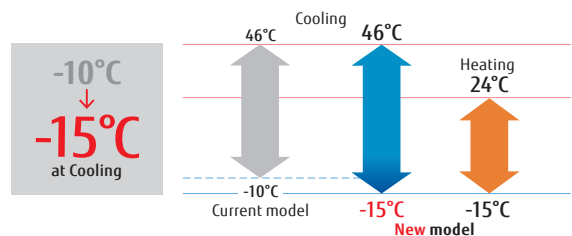


Automatic Airflow adjustment function

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



Low ambient operation





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



For ARXG12/14KHTAP For ARXG18/22KHTAP For ARXG24KHTAP For ARXG30/36KHTAP For ARXG45/54KHTAP

Standard Specifications

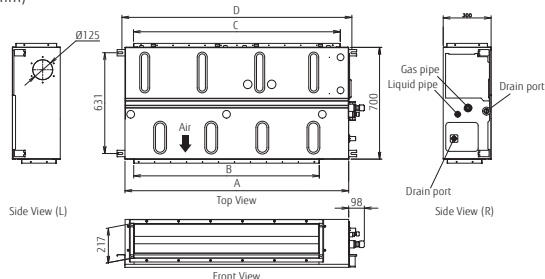
Model No.	Indoor unit		ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
	Outdoor unit		AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
Power Source			Single-phase, -230V, 50Hz									3 phase, -400V, 50Hz		
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating		4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)
UK Total/sensible cooling			3.39/2.96	4.12/3.53	5.01/4.09	5.85/4.75	6.63/5.13	8.08/6.39	9.03/7.5	11.54/9.52	12.78/10.4	9.03/7.50	11.54/9.52	12.78/10.40
Input Power	Cooling/Heating	kW	0.87/1.00	1.17/1.25	1.36/1.56	1.71/1.81	1.89/1.85	2.65/2.63	2.86/2.48	3.53/3.37	4.42/3.89	2.86/2.48	3.53/3.37	4.42/3.89
EER	Cooling		4.02	3.68	3.82	3.51	3.60	3.21	3.32	3.43	3.03	3.32	3.43	3.03
COP	Heating	4.10	4.00	3.85	3.87	4.06	3.80	4.35	4.01	3.98	4.35	4.01	3.98	
Pdesign	Cooling/Heating(-10°C)	kW	3.5/3.4	4.3/3.8	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-
SEER	Cooling		6.30	6.20	6.50	6.50	6.50	6.23	6.10	-	-	6.10	-	-
SCOP	Heating (Average)	4.10	4.00	4.10	4.20	4.10	4.00	4.20	-	-	4.20	-	-	
Energy Efficiency Class	Cooling	A++	A++	A++	A++	A++	A++	A++	A++	-	-	A++	-	-
	Heating (Average)	A+	A+	A+	A+	A+	A+	A+	-	-	A+	-	-	
Annual Energy Consumption	Cooling	kWh/a	194	243	280	323	366	477	544	-	-	544	-	-
	Heating		1,159	1,328	1,501	1,597	2,048	2,796	2,898	-	-	2,898	-	-
Moisture Removal		l/h	0.7	0.9	1.2	1.5	1.8	2.3	2.0	2.6	3.7	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29	33/31/28/26	39/35/31/29	39/35/31/29
Sound Power Level	Outdoor(Cooling/Heating)	High	47/47	49/49	50/50	51/51	53/54	53/55	57/57	57/59	57/59	55/55	57/57	57/59
	Indoor(Cooling/Heating)	High	57/58	59/60	54/54	57/57	57/57	63/65	64/63	67/69	67/69	64/63	67/69	67/69
Airflow Rate	Indoor / Outdoor (Cooling)	High	850/1,580	950/1,670	1,050/2,160	1,050/2,240	1,360/2,700	1,700/3,750	2,050/3,750	2,550/4,450	2,550/4,450	2,050/3,750	2,550/4,450	2,550/4,450
	Indoor / Outdoor (Heating)	High	850/1,520	950/1,580	1,050/1,830	1,050/1,960	1,360/2,700	1,700/3,750	2,050/3,750	2,550/4,450	2,550/4,450	1,850/3,750	2,550/4,450	2,550/4,450
Static pressure range (Standard)		Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)	30 to 200 (60)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions H x W x D	Indoor	mm	300x700x700	300x700x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,000x700	300x1,400x700	300x1,400x700	300x1,400x700	300x1,400x700	300x1,400x700
	Outdoor	mm	542x799x290	542x799x290	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	998x940x320	788x940x320	998x940x320	998x940x320
Weight	Indoor	kg(lbs)	27 (60)	27 (60)	35 (77)	35 (77)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)
	Outdoor	kg(lbs)	33 (73)	33 (73)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	67 (148)	53 (117)	67 (148)	67 (148)
Remote Controller Type (NOT Supplied With Unit)			NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY											
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth											
Suggested MCB Size		Amp	10	16	16	16	16	25	25	30	30	16	16	16
Max. Operating Current	Cooling/Heating	A	9.7/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
Power Supply To			Outdoor											
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4	3/8 & 1/4	1/2 & 1/4	1/2 & 1/4	1/2 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	9.52/15.88	9.52/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference		m	20	20	20	20	25	30	30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-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	-15 to 24
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32	R32	R32	R32 (675)	R32 (675)	R32 (675)
	Charge	g	850	850	1020	1250	1250	1900	1900	2700	2700	1900	2700	2700
	Additional Charge	g/m	20	20	20	20	20	40	40	40	40	40	40	40
Filter (To be ordered separately)			UTD-LFNC	UTD-LFNC	UTD-LFNB	UTD-LFNB	UTD-LFNB	UTD-LFNB	UTD-LFNA	UTD-LFNA	UTD-LFNA	UTD-LFNA	UTD-LFNA	UTD-LFNA

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	KNX® Converter:	UTY-VKXS	Wireless LAN Interface:	UTY-TFSXZ1
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	MODBUS® Converter:	UTY-VMSX	IR Receiver Unit:	UTY-LBTYM
Wired Remote Controller:	UTY-RVNYM	External input and output PCB:	UTY-XCSX	Network Converter for single split (DC power supply type):	UTY-VTGX
Simple Remote Controller (Without operation mode):	UTY-RHRY	External Connect Kit:	UTY-XWZXZG	Network Converter for single split (AC power supply type):	UTY-VTGVX
Simple Remote Controller:	UTY-RSRY	External input and output PCB:	UTZ-GXNA	Wireless interface for use with Smart home products:	FJ-AC-WIFI-1
External Switch Controller:	UTY-TERX	Long-Life Filter:	UTD-LFNA (36-54) UTD-LFNB (18-30) UTD-LFNC (12-14)	(Outdoor unit 30/36/45/54) External Connect Kit:	UTY-XWZXZ3
Remote Sensor Unit:	UTY-XSZX				

Dimensions

(Unit : mm)



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

ECONOMY Medium Static Pressure Duct



(45)

NEW Economy Specifications

Model No.	Indoor unit		ARXG22KMLA	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA	
	Outdoor unit		AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG36KQTA	AOYG45KQTA	
Power Source			Single phase, ~230V, 50Hz					3 phase, ~400V, 50Hz		
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)	
UK Total/sensible cooling			kW	5.65 / 4.23	6.63 / 4.86	8.08 / 6.23	9.03 / 6.83	11.54 / 8.64	9.03 / 6.83	11.54 / 8.64
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	
EER	Cooling	W/W	3.13	3.11	3.06	3.04	2.50	3.04	2.50	
COP	Heating		3.50	3.75	3.61	3.56	3.23	3.56	3.23	
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	-	
SEER	Cooling	W/W	5.8	5.9	5.8	5.6	-	5.6	-	
SCOP	Heating		3.8	3.9	3.9	3.9	-	3.9	-	
Energy Efficiency Class	Cooling	A+		A+	A+	A+	-	A+	-	
	Heating	A		A	A	A	-	A	-	
Annual Energy Consumption	Cooling	kWh/a	362	403	513	594	-	594	-	
	Heating		1,620	1,935	2,871	3,122	-	3,122	-	
Moisture Removal			l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28	
	Indoor (Heating)	H/M/L/Q	31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28	
	Outdoor(Cooling/Heating)	High	52/53	54/55	53/55	55/55	58/59	55/55	58/59	
Sound Power Level	Indoor(Cooling/Heating)	High	60/62	60/62	65/69	65/70	68/70	65/70	68/70	
	Outdoor(Cooling/Heating)	High	64/65	66/67	68/69	70/70	72/73	70/70	72/73	
Airflow Rate	Indoor / Outdoor (Cooling)	High	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	
	Indoor / Outdoor (Heating)	High	1,100/2,240	1,100/2,350	2,100/3,750	2,100/3,750	2,100/4,450	2,100/3,750	2,100/4,450	
Static pressure range (Standard)			Pa	30 - 150 (35)	30 - 150 (35)	30 - 150 (47)	30 - 150 (47)	30 - 150 (47)	30 - 150 (60)	
Net Dimensions H x W x D	Indoor	mm	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	
	Outdoor	mm	632×799×290	632×799×290	788×940×320	788×940×320	998×940×320	788×940×320	998×940×320	
Weight	Indoor	kg(lbs)	35(77)	35(77)	38(84)	38(84)	39(86)	38(84)	39(86)	
	Outdoor	kg(lbs)	36(79)	38(84)	52(115)	52(115)	61(134)	53(117)	62(137)	
Remote Controller Type (NOT Supplied With Unit)			NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY							
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth							
Suggested MCB Size	Amp		16	20	25	25	32	16	16	
Max. Operating Current	Cooling/Heating		A	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
Power Supply To			Outdoor							
Connection Pipe Diameter (Gas / Liquid)	Inch		1/2 & 1/4	1/2 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	
Max Pipe Length (Pre-Charge)	m		25 (15)	25(20)	30(30)	30(30)	30(30)	30(30)	30(30)	
Max Height Difference	m		20	20	30	30	30	30	30	
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32	
	Charge	g	1100	1250	1900	1900	2400	1900	2400	
	Additional Charge	g/m	20	20	-	-	-	-	-	
Operation Range	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	

Optional parts

- Compact Wired Remote Controller: UTY-RCRYZ1
- Wired Remote Controller (Touch Panel): UTY-RNRYZ3
- Wired Remote Controller: UTY-RVNYM
- Simple Remote Controller (Without operation mode): UTY-RHRY
- Simple Remote Controller: UTY-RSRY
- IR Receiver Unit: UTY-LBTYM
- External Switch Controller: UTY-TERX
- Wireless LAN Interface: UTY-TFSXZ1
- KNX® Converter: UTY-VKSX
- MODBUS® Converter: UTY-VMSX
- Flange (Round): UTD-RF204
- Flange (Square): UTD-SF045T
- Network Converter for single split (DC power supply type): UTY-VTGX
- Network Converter for single split (AC power supply type): UTY-VTGXV
- Remote Sensor Unit: UTY-XSZX
- External Connect Kit: UTY-XWZXZG
- Drain Pump Unit: UTZ-PX1NBA
- Long-Life Filter: UTD-LF25NA
- Wireless interface for use with Smart home products: FJ-AC-WIFI-1

(Outdoor unit 30/36/45/54)
External Connect Kit:

UTY-XWZXZ3

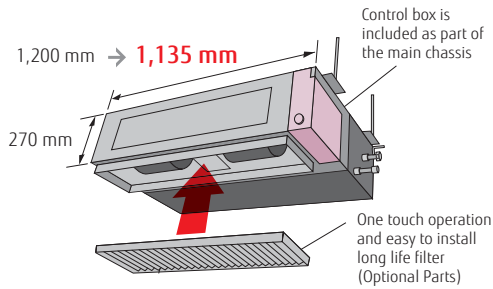
Model : ARXG22KMLA / ARXG24KMLA / ARXG30KMLA / ARXG36KMLA / ARXG45KMLA
NEW ARXG36KMLA [3 phase] / **NEW** ARXG45KMLA [3 phase]



Slim & Compact design

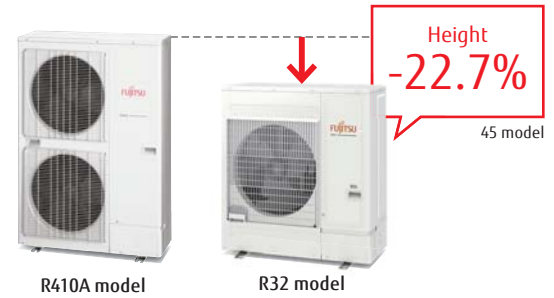
Indoor Unit

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



New Outdoor Unit

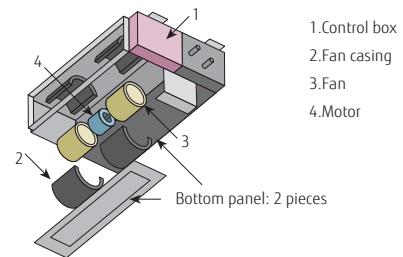
The 45 model outdoor unit was changed completely. Easier installation was achieved by compact and lightweight outdoor unit.



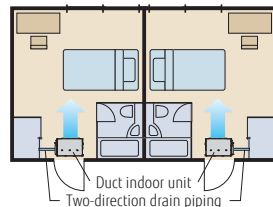
Easy maintenance

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

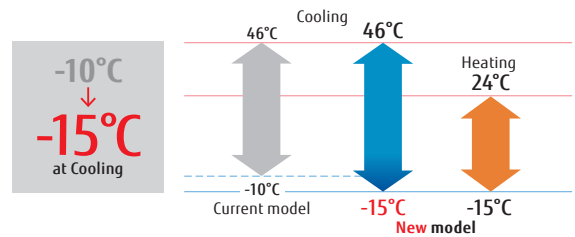
See below for the case of rear suction type



Two-direction drain piping

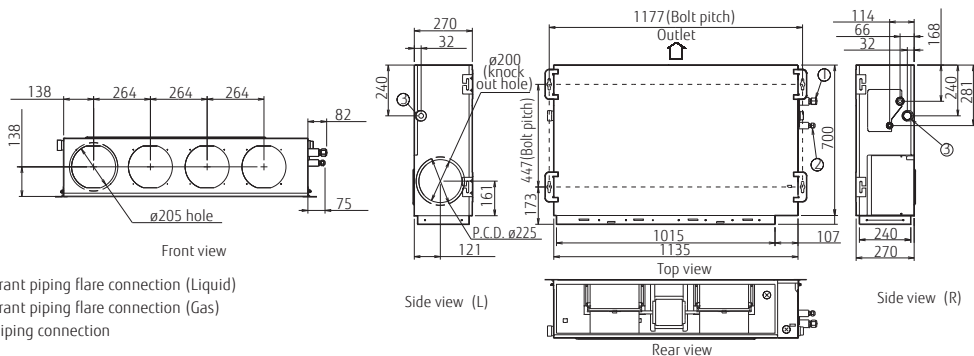


All class low ambient operation



Dimensions

(Unit : mm)

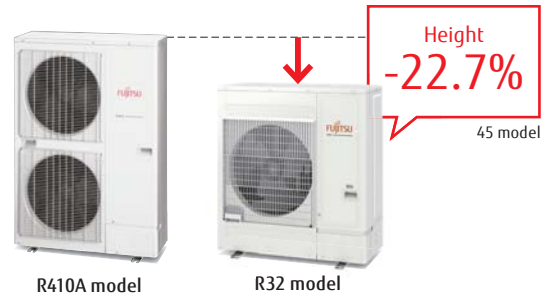


STANDARD High Static Pressure Duct

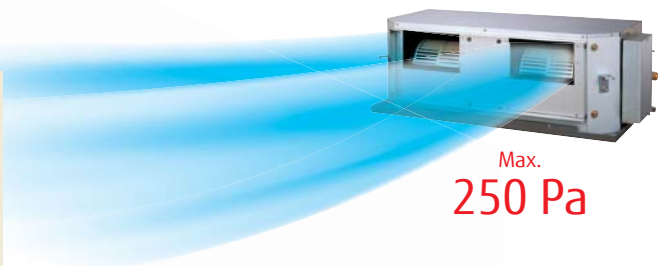
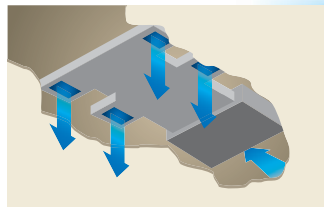


Easy installation (Compact size & Lightweight)

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

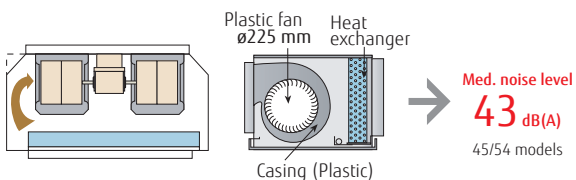


Design also corresponding to high static pressure

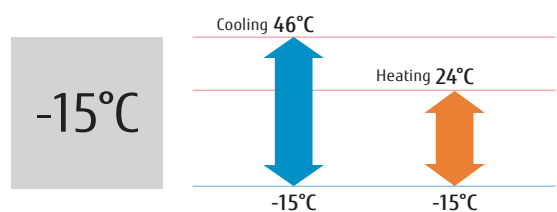


Low noise

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



Low ambient operation



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

Standard Specifications

Model No.	Indoor unit		ARXG45KHTA	ARXG54KHTA	ARXG45KHTA	ARXG54KHTA
	Outdoor unit		AOYG45KBTB	AOYG54KBTB	AOYG45KRTA	AOYG54KRTA
Power Source	Single-phase, ~230V, 50Hz			3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	12.1 (4.0-14.0)	13.4 (5.0-14.5)	12.1 (4.0-14.0)	13.4 (5.0-14.5)
	Heating		13.5 (5.0-16.2)	15.5 (5.5-18.0)	13.5 (5.0-16.2)	15.5 (5.5-18.0)
UK Total/sensible cooling			11.54/9.68	12.78/10.60	11.54 / 9.68	12.78 / 10.60
Input Power	Cooling/Heating		4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18
EER	Cooling		2.91	2.81	2.91	2.81
COP	Heating		3.74	3.71	3.74	3.71
Pdesign	Cooling/Heating(-10°C)		-	-	-	-
SEER	Cooling		-	-	-	-
SCOP	Heating		-	-	-	-
Energy Efficiency Class	Cooling		-	-	-	-
	Heating		-	-	-	-
Annual Energy Consumption	Cooling		-	-	-	-
	Heating		-	-	-	-
Moisture Removal			1.5	2.0	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L	47/43/40	47/43/40	47/43/40	47/43/40
	Indoor (Heating)	H/M/L	47/43/40	47/43/40	47/43/40	47/43/40
	Outdoor (Cooling/Heating)	High	57/57	57/59	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High	75/74	75/74	75/74	75/74
	Outdoor (Cooling/Heating)	High	71/71	73/73	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
	Indoor / Outdoor (Heating)	High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
Static pressure range (Standard)			100 to 250 (100)	100 to 250 (100)	100to250 (100)	100to250 (100)
Net Dimensions H x W x D	Indoor	mm	400x1,050x500	400x1,050x500	400x1,050x500	400x1,050x500
	Outdoor	mm	998x940x320	998x940x320	998x940x320	998x940x320
Weight	Indoor	kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)
	Outdoor	kg(lbs)	67 (148)	67 (148)	67 (148)	67 (148)
Remote Controller Type (NOT Supplied With Unit)	NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY					
Interconnecting Cable (Suggested cable size 1.5mm)	3 Core + Earth					
Suggested MCB Size			30	30	16	16
Max. Operating Current	Cooling/Heating		28.5	28.5	14.0/14.0	14.0/14.0
Power Supply To	Outdoor					
Connection Pipe Diameter (Gas / Liquid)			5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Pre-Charge)			50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference			30	30	30	30
Operation Range	Cooling		-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		R32	R32	R32 (675)	R32 (675)
	Charge		2700	2700	2700	2700
	Additional Charge		40	40	40	40
Filter (To be ordered separately)			UTD-LF60KA	UTD-LF60KA	UTD-LF60KA	UTD-LF60KA

Optional parts

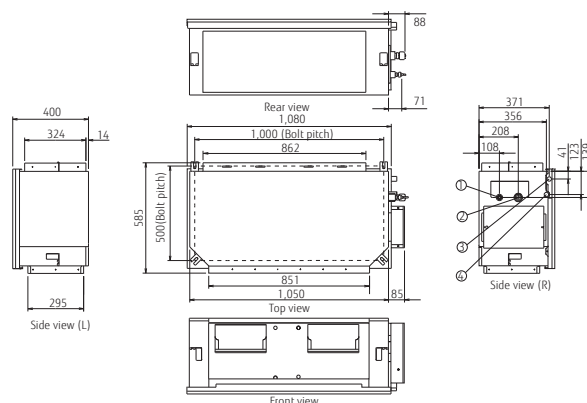
Wired Remote Controller: UTY-RVNYM
 Simple Remote Controller: UTY-RSNYM
 Wireless LAN Interface: UTY-TFNXZ1
 FJ-RC-WIFI-2

External Connect Kit: UTD-ECS5A
 Remote Sensor Unit: UTY-XSZX
 Long-Life Filter: UTD-LF60KA
 MODBUS® Interface: FJ-RC-MBS-1
 KNX® Interface: FJ-RC-KNX-1i

Network Converter for single split (DC power supply type): UTY-VTGX
 Network Converter for single split (AC power supply type): UTY-VTGVX
 External Switch Controller: UTY-TERX
 (Outdoor unit 45/54) UTY-XWZXZ3
 External Connect Kit:

Dimensions

(Unit : mm)



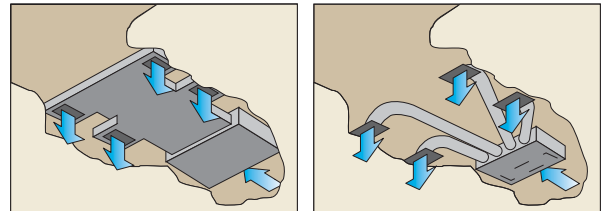
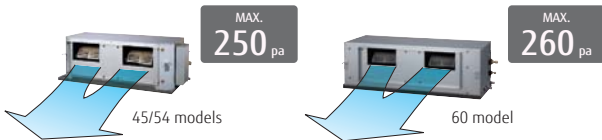
High Static Pressure Duct



High energy efficiency

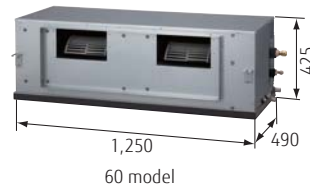
Significantly greater efficiency is achieved by using all DC inverter technology. (60 model)

Design also corresponding to high static pressure



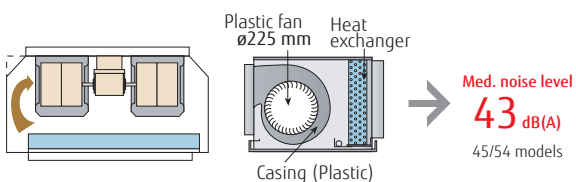
Easy installation (Compact size & Lightweight)

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

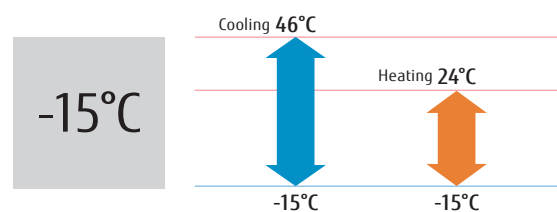


Low noise

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



Low ambient operation



Model : ARYG60LHTA [3 phase]



Wired R.C.



Standard Specifications

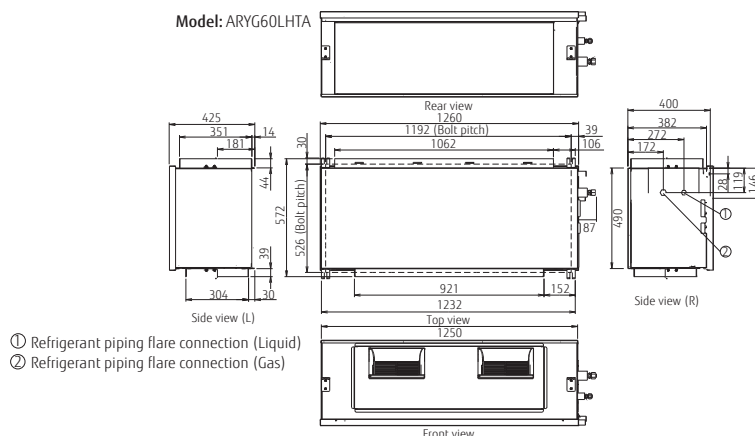
Model No.	Indoor unit		ARYG60LHTA	
	Outdoor unit		AOYG60LATT	
Power Source			3 phase, ~400V, 50Hz	
Capacity	Cooling	kW	15.0 (6.2-17.5)	
	Heating		18.0 (6.2-20.0)	
UK Total / Sensible Cooling			13.47 / 12.77	
Input Power	Cooling/Heating		kW	
EER	Cooling		W/W	
COP	Heating			
Moisture Removal			l/h	
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	
	Indoor (Heating)	H/M/L/Q	45/40/36/-	
	Outdoor (Cooling/Heating)	High	45/40/36/-	
Airflow Rate	Indoor / Outdoor (Cooling)	High	m ³ /h	
	Indoor / Outdoor (Heating)	High	3,550/6,900	
Static pressure range (Standard)			Pa	
Net Dimensions H x W x D	Indoor	mm	60 to 260 (60)	
	Outdoor	mm	425×1,250×490	
Weight	Indoor	kg(lbs)	1,290×900×330	
	Outdoor	kg(lbs)	54 (119)	
Remote Controller Type (Supplied with unit)			Wired	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core +Earth	
Suggested MCB Size			Amp	
Max. Operating Current	Cooling/Heating		Amp	
Power Supply To			Outdoor	
Connection Pipe Diameter (Gas / Liquid)			Inch	
Max Pipe Length (Pre-Charge)			m	
Max Height Difference			m	
Refrigerant	Type		g	
	Charge		g/m	
	Additional Charge			
Operation Range	Cooling	°CDB	R410A	
	Heating		3,450	
			50	
			-15 to 46	
			-15 to 24	

Optional parts

Wired Remote Controller:	UTY-RVNYM	Network Converter for single split (DC power supply type):	UTY-VTGX
Simple Remote Controller:	UTY-RSNYM	Network Converter for single split (AC power supply type):	UTY-VTGXV
External Switch Controller:	UTY-TERX	External Connect Kit:	UTD-ECSSA
Wireless LAN Interface:	UTY-TFNXZ1	IR Receiver Unit	UTY-LRHYM (60)
	FJ-RC-WIFI-1		
Remote Sensor Unit:	UTY-XSZX		
MODBUS® Interface:	FJ-RC-MBS-1	External Connect Kit:	UTY-XWZXZ2
KNX® Interface:	FJ-RC-KNX-1i		

Dimensions

(Unit : mm)

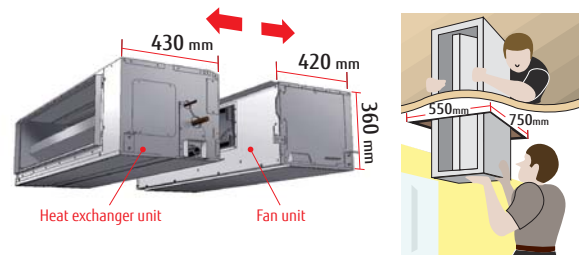


Big Duct



Separation is possible by lightweight compact design

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



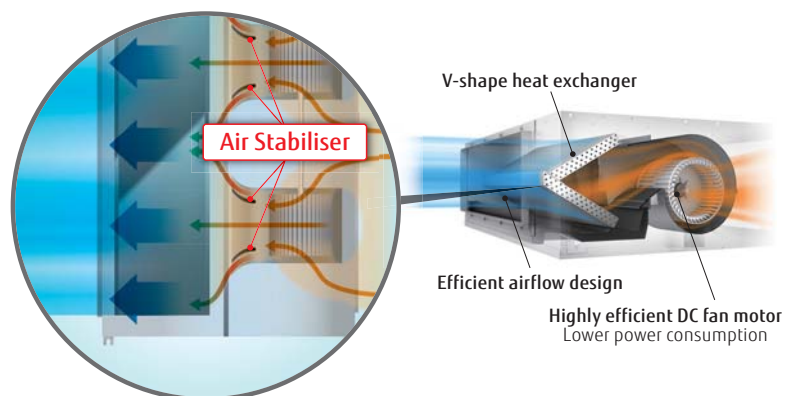
Automatic Airflow adjustment function

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



Quiet operation

The combination of the V-shaped heat exchanger, air stabiliser, and the highly efficient DC fan motor allows quiet operation.



Model : ARYG72LHTA / ARYG90LHTA



Wired R.C.

Standard Specifications

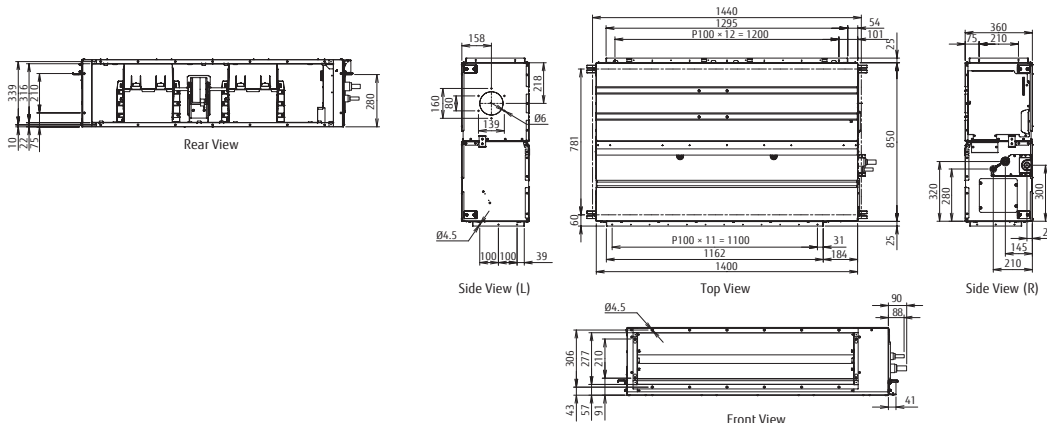
Model No.	Indoor unit		ARYG72LHTA	ARYG90LHTA
	Outdoor unit		AOYG72LRLA	AOYG90LRLA
Power Source	Indoor		Single-phase, ~230V, 50Hz	
	Outdoor		3-phase, ~400V, 50Hz	
Capacity	Cooling	kW	19.0 (8.4-20.9)	22.0 (10.3-24.2)
	Heating		22.4 (7.2-24.6)	27.0 (8.5-29.7)
UK Total / Sensible Cooling			18.96/14.65	21.95/16.62
Input Power	Cooling/Heating	kW	6.46 / 6.59	7.77 / 8.18
EER	Cooling	W/W	2.94	2.83
COP	Heating		3.4	3.3
SEER (LOT21)	Cooling	W/W	5.22	5.14
SCOP (LOT21)	Heating		3.94	3.92
Moisture Removal			l/h	6.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	46/43/41/39	47/44/42/40
	Indoor (Heating)	H/M/L/Q	46/43/41/39	47/44/42/40
	Outdoor (Cooling/Heating)	High	55/55	55/57
Airflow Rate	Indoor / Outdoor	High	m ³ /h	4300/8400
Static pressure range (Standard)			Pa	50 to 150 (72)
Net Dimensions H x W x D	Indoor		mm	360×1400×850
			kg(lbs)	69 (152)
	Outdoor		mm	1428×1080×480
Weight			kg(lbs)	165 (363)
Remote Controller Type (Supplied with unit)			Wired	Wired
Interconnecting Cable (Suggested cable size 2.5mm)			3 Core +Earth	
Suggested MCB Size	Amp	Outdoor 16 Amp 3ph / Indoor 6 Amp 240 1ph		Outdoor 20 Amp 3ph / Indoor 10 Amp 240 1ph
Max. Operating Current	Indoor (Cooling/Heating)	Amp	4.6/4.6	
	Outdoor (Cooling/Heating)		13.3/13.3	
Power Supply To			Outdoor + Indoor	
Connection Pipe Diameter (Gas / Liquid)	Inch		7/8 / 1/2	
Max Pipe Length (Pre-Charge)	m		100 (30)	
Height Difference			30	
Operation Range	Cooling	°CDB	-15 to 46	
	Heating		-20 to 24	
Refrigerant	Type		R410A	
	Charge	g	5,600	
	Additional Charge	g/m	110	

Optional parts

Compact Wired Remote Controller:	UTY-RCRYZ1	External Switch Controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired Remote Controller (Touch Panel):	UTY-RNRYZ3	Wireless LAN Interface:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired Remote Controller:	UTY-RVNYM		FJ-RC-WIFI-1	IR Receiver Unit:	UTY-LBTXM
Simple Remote Controller (Without operation mode):	UTY-RHRY	KNX® Converter:	UTY-VKSX		UTY-LRHYM
Simple Remote Controller:	UTY-RSRY	MODBUS® Converter:	UTY-VMSX		
	UTY-RSNYM	External input and output PCB:	UTY-XCSX	(Outdoor unit 72/90)	
External Connect Kit:	UTY-XWZXZG	Remote Sensor Unit:	UTY-XSZX	External Connect Kit:	UTY-XWZXZ3
Drain Pump Unit:	UTZ-PX1NAB	MODBUS® Interface:	FJ-RC-MBS-1		
		KNX® Interface:	FJ-RC-KNX-1i		
		Long Life Filter	UTD-LFKA		

Dimensions

(Unit : mm)



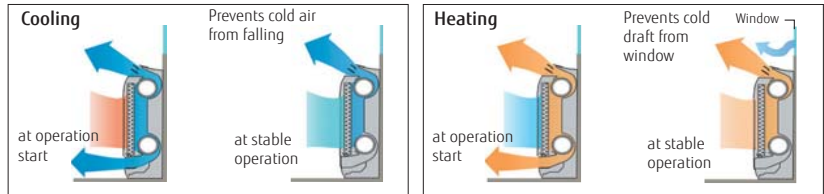
Floor

Compact & Comfort



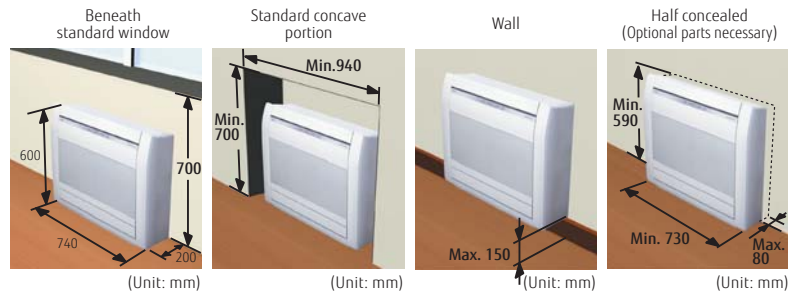
Dual Fan & Wide airflow

Upper and lower air discharge allows the room to reach target temperature quickly and be maintained more comfortably.



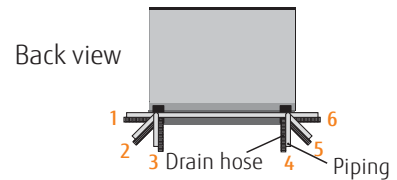
Flexible & easy installation

The forward facing air intake makes it possible to install the unit floor mounted, wall mounted, fully concealed or partially recessed.



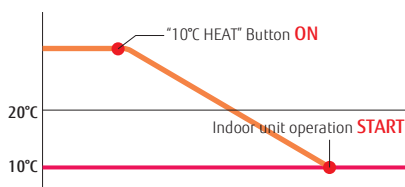
Flexible piping connection - 6 directions of drain & piping

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

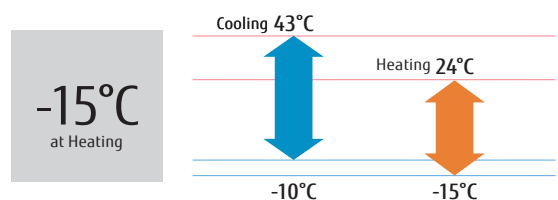


10°C HEAT Operation

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



Low ambient operation



Model: AGYG09LVCA / AGYG12LVCA / AGYG14LVCA



For AGYG09/12LVCA



For AGYG14LVCA



Wireless R.C.

Standard Specifications

Model No.	Indoor unit		AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
	Outdoor unit		A0YG09LVCA	A0YG12LVCA	A0YG14LVCA
Power Source			Single phase, ~230V, 50Hz		
Capacity	Cooling	kW	2.6 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating		3.5 (0.9-5.5)	4.5 (0.9-6.6)	5.2 (0.9-8.0)
UK Total / Sensible Cooling		kW	2.49 / 2.24	3.36 / 2.59	4.03 / 2.92
Input Power	Cooling/Heating	kW	0.53/0.79	0.94/1.19	1.14/1.44
EER	Cooling	W/W	4.91	3.72	3.68
COP	Heating		4.43	3.78	3.61
Pdesign	Cooling/Heating(-10°C)	kW	2.6/2.9	3.5/3.8	4.2/4.7
SEER	Cooling	W/W	7.00	6.50	6.40
SCOP	Heating (Average)		4.20	4.00	4.00
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A+
Annual Energy Consumption	Cooling	kWh/a	130	188	230
	Heating		967	1,330	1,645
Moisture Removal		l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q	40/35/29/22	40/35/29/22	43/37/29/22
	Outdoor(Cooling/Heating)	High	47/48	48/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	55/56	55/56	58/58
	Outdoor(Cooling/Heating)	High	64/65	64/65	65/66
Airflow Rate	Indoor / Outdoor (Cooling)	High	570/1,680	570/1,680	650/1,910
	Indoor / Outdoor (Heating)	High	600/1,490	600/1,680	650/1,750
Net Dimensions H x W x D	Indoor	mm	600×740×200	600×740×200	600×740×200
	Outdoor	mm	540×790×290	540×790×290	578×790×300
Weight	Indoor	kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor	kg(lbs)	36 (79)	36 (79)	40 (88)
Remote Controller Type (Supplied with unit)			Wireless	Wireless	Wireless
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth		
Suggested MCB Size		Amp	10	10	16
Max. Operating Current	Cooling/Heating	A	7.0/10.0	7.0/10.0	9.0/13.5
Power Supply To			Outdoor		
Connection Pipe Diameter (Gas / Liquid)		Inch	3/8 & 1/4	3/8 & 1/4	1/2 & 1/4
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15
Refrigerant	Type		R410A	R410A	R410A
	Charge	g	1,050	1,050	1,150
	Additional Charge	g/m	20	20	20
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating		-15 to 24	-15 to 24	-15 to 24

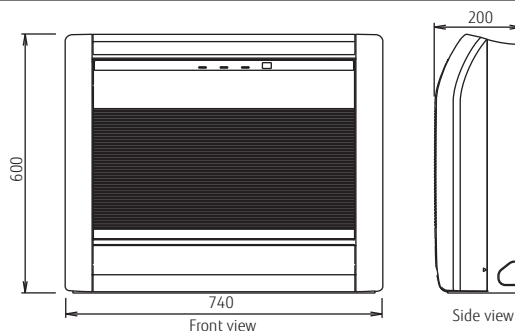
Optional parts

Wired Remote Controller: UTY-RVNYM
 Simple Remote Controller: UTY-RSNYM
 External Switch Controller: UTY-TERX
 Wireless LAN Interface: UTY-TFNXZ1
 FJ-RC-WIFI-1

Network Convertor for single split (DC power supply type): UTY-VTGX
 Network Convertor for single split (AC power supply type): UTY-VTGXV
 External Connect Kit: UTY-XWZX
 MODBUS® Interface: FJ-RC-MBS-1
 KNX® Interface: FJ-RC-KNX-1i

Dimensions

(Unit : mm)



Floor/Ceiling

Comfort & Dual Design



Flexible installation

Example for floor installation
Floor console

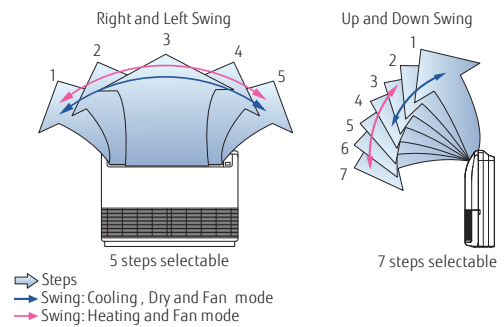


Example for ceiling installation
Under ceiling



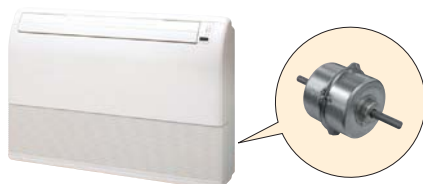
Double auto swing

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

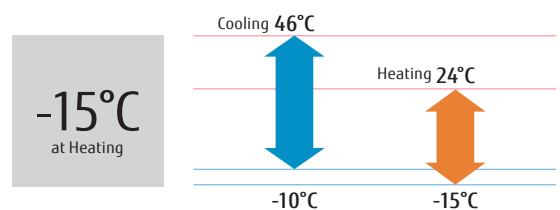


High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation



Model : ABYG18LVTB / ABYG24LVTA



For ABYG18LVTB

For ABYG24LVTA

Wireless R.C.

Standard Specifications

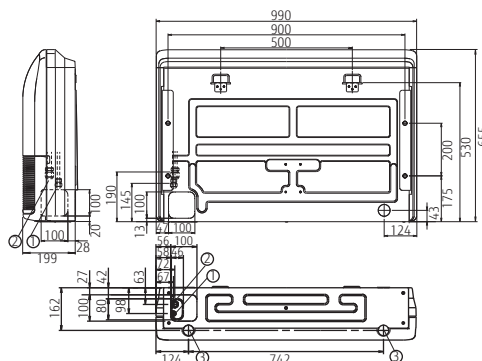
Model No.	Indoor unit		ABYG18LVTB		ABYG24LVTA	
	Outdoor unit		AOYG18LBCB		AOYG24LBCB	
Power Source	Single phase, ~230V, 50Hz					
Capacity	Cooling	kW	5.2 (0.9-5.9)		6.8 (0.9-8.0)	
	Heating		6.0 (0.9-7.5)		8.0 (0.9-9.1)	
UK Total / Sensible Cooling			4.79 / 3.33		6.05 / 4.51	
Input Power	Cooling/Heating	kW	1.62/1.66		2.21/2.26	
EER	Cooling	W/W	3.21		3.08	
COP	Heating		3.61		3.54	
Pdesign	Cooling/Heating(-10°C)	kW	5.2/5.2		6.8/6.0	
SEER	Cooling	W/W	6.10		5.60	
SCOP	Heating (Average)		4.00		3.90	
Energy Efficiency Class	Cooling	A++		A+		
	Heating (Average)	A+		A		
Annual Energy Consumption	Cooling	kWh/a	298		425	
	Heating		1,818		2,153	
Moisture Removal			l/h		2.7	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/40/34/31		48/44/40/35	
	Indoor (Heating)	H/M/L/Q	43/40/34/31		48/44/40/35	
Sound Power Level	Outdoor(Cooling/Heating)	High	50/50		53/54	
	Indoor(Cooling/Heating)	High	57/57		61/61	
Airflow Rate	Outdoor(Cooling/Heating)	High	62/65		66/66	
	Indoor / Outdoor (Cooling)	High	780/2,380		980/2,850	
Net Dimensions H x W x D	Indoor / Outdoor (Heating)	High	780/2,080		980/2,700	
	Indoor	mm	199×990×655		199×990×655	
Weight	Outdoor	mm	632×799×290		716×820×315	
	Indoor	kg(lbs)	27 (60)		27 (60)	
Weight	Outdoor	kg(lbs)	36 (79)		42 (93)	
	Remote Controller Type (Supplied with unit)			Wireless		Wireless
Interconnecting Cable (Suggested cable size 2.5mm)			3 Core +Earth			
Suggested MCB Size			Amp		16	
Max. Operating Current	Cooling/Heating	A	11.5/13.5		14.7/15.7	
Power Supply To			Outdoor			
Connection Pipe Diameter (Gas / Liquid)	Inch		1/2 & 1/4		5/8 & 1/4	
Max Pipe Length (Pre-Charge)	m		25 (15)		30 (15)	
Max Height Difference			15		20	
Refrigerant	Type	R410A		R410A		
	Charge	g	1,250		1,700	
	Additional Charge	g/m	20		20	
Operation Range	Cooling	°CDB	-10 to 46		-10 to 46	
	Heating		-15 to 24		-15 to 24	

Optional parts

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

Dimensions

(Unit : mm)



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

NEW

ECONOMY & STANDARD Ceiling



NEW

Economy Specifications

Model No.	Indoor unit		TENTATIVE						TENTATIVE	
	Outdoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KQTA	ABYG45KQTA
Power Source			Single phase, ~230V, 50Hz						3 phase, ~400V, 50Hz	
Capacity	Cooling	kW	5.2(0.9-5.4)	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		6.0(0.9-6.3)	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)
UK Total / Sensible Cooling			5.01 / 3.62	5.85 / 4.12	6.63 / 4.97	8.08 / 5.23	9.03 / 7.44	11.54 / 8.37	9.03 / 7.44	11.54 / 8.37
Input Power	Cooling/Heating	kW	1.66/1.71	-/-	2.19/2.00	2.78/2.86	3.13/3.03	4.84/4.18	3.13/3.03	4.84/4.18
EER	Cooling	W/W	3.13	-	3.11	3.06	3.04	2.5	3.04	2.5
COP	Heating		3.51	-	3.75	3.5	3.56	3.23	3.56	3.23
Pdesign	Cooling/Heating(-10°C)	kW	5.2/3.8	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	12.1/9.2	9.5/-	12.1/-
SEER	Cooling	W/W	5.8	5.6	6.0	5.8	5.6	-	5.6	-
SCOP	Heating		3.8	3.8	3.9	3.9	3.9	-	3.9	-
Energy Efficiency Class	Cooling	A+		A+	A+	A+	A+	A+	A+	
	Heating	A		A	A	A	A	A	A	
Annual Energy Consumption	Cooling	kWh/a	-	-	-	-	-	-	-	-
	Heating		-	-	-	-	-	-	-	-
Moisture Removal			-	-	-	-	-	-	-	-
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/-/-/-	42/-/-/-	41/-/-/-	45/-/-/-	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
	Indoor (Heating)	H/M/L/Q	38/-/-/-	42/-/-/-	41/-/-/-	45/-/-/-	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
Sound Power Level	Outdoor(Cooling/Heating)	High	51/52	52/53	54/55	53/55	55/55	58/59	55/55	58/59
	Indoor(Cooling/Heating)	High	53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60
Airflow Rate	Outdoor(Cooling/Heating)	High	63/64	64/65	66/67	68/69	70/70	72/73	70/70	72/73
	Indoor / Outdoor (Cooling)	High	840/1,710	900/2,240	1,230/2,885	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450
Net Dimensions H x W x D	Indoor / Outdoor (Heating)	High	840/1,840	900/2,240	1,230/2,350	1,400/3,750	1,800/3,750	1,850/4,450	1,850/3,750	1,850/4,450
	Indoor	mm	235×1,080×705	235×1,080×705	235×1,080×705	235×1,390×705	235×1,700×705	235×1,700×705	235×1,700×705	235×1,700×705
Weight	Outdoor	mm	542×799×290	632×799×290	632×799×290	788×940×320	788×940×320	988×940×320	788×940×320	998×940×320
	Indoor	kg(lbs)	24(53)	24(53)	31(68)	31(68)	38(84)	38(84)	38(84)	38(84)
Weight	Outdoor	kg(lbs)	33(73)	36(79)	38(84)	52(115)	52(115)	61(134)	53(117)	62(137)
			NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY							
Remote Controller Type (NOT Supplied With Unit)			3 Core +Earth						3 Core +Earth	
Interconnecting Cable (Suggested cable size 2.5mm)			3 Core +Earth						3 Core +Earth	
Suggested MCB Size	Amp		13	16	20	25	25	32	16	16
Max. Operating Current	Cooling/Heating	A	10.1/10.1	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
Power Supply To			Outdoor							
Connection Pipe Diameter (Gas / Liquid)	Inch		1/2 & 1/4	1/2 & 1/4	1/2 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Pre-Charge)	m		20(15)	25(15)	25(20)	30(30)	30(30)	50(30)	30(30)	50(30)
Max Height Difference			15	20	20	30	30	30	30	30
Refrigerant	Type	R32		R32	R32	R32	R32	R32	R32	R32
	Charge	g	900	1100	1250	1900	1900	2700	1900	2700
Operation Range	Additional Charge	g/m	20	20	20	-	-	-	-	-
	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
Heating	-15 to 24		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-10 to 24	-15 to 24	

Easy maintenance

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



The drain pan can be taken off for cleaning.



Components in the control box can be easily accessed.



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



Standard Specifications

Model No.	Indoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	TENTATIVE		
	Outdoor unit		AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
Power Source			Single phase, ~230V, 50Hz					3 phase, ~400V, 50Hz			
Capacity	Cooling	kW	5.2(0.9-5.9)	6.0(0.9-6.7)	6.8(0.9-8.0)	8.5(2.8-10.0)	9.5(2.8-11.2)	12.1(4.0-13.5)	9.5(2.8-11.2)	12.1(4.0-13.5)	13.4(4.5-14.5)
	Heating		6.0(0.9-7.5)	7.0(0.9-8.0)	7.5(0.9-9.1)	10.0(2.7-11.2)	10.8(2.7-12.7)	13.5(4.2-16.2)	10.8(2.7-12.7)	13.5(4.2-16.2)	15.5(4.7-16.5)
UK Total / Sensible Cooling			5.01 / 3.62	5.85 / 4.12	6.63 / 4.97	8.08 / 5.23	9.03 / 7.44	11.54 / 8.37	9.03 / 7.44	11.54 / 8.37	13.38 / 9.84
Input Power	Cooling/Heating	kW	1.55/1.62	1.87/1.95	2.14/1.97	2.65/2.77	2.96 / 2.88	4.22 / 3.84	2.96/2.88	4.22/3.84	4.42/4.43
EER	Cooling	W/W	3.35	3.21	3.18	3.21	3.21	2.87	3.21	2.87	3.01
COP	Heating		3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.5
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5 / 8.7	12.1 / 9.2	9.5/8.7	12.1/9.2	13.4/-
SEER	Cooling	W/W	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+	-	-
Annual Energy Consumption	Cooling	kWh/a	298	344	384	486	524	-	524	-	-
	Heating		1,501	1,677	2,042	2,796	2,904	-	2,904	-	-
Moisture Removal			2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	-
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	48
	Indoor (Heating)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	48
	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55 / 55	57 / 57	55/55	57/57	58/59
Sound Power Level	Indoor (Cooling/Heating)	High	53/53	57/57	56/56	60/60	59 / 59	60 / 60	59/59	60/60	63/63
	Outdoor (Cooling/Heating)	High	62/62	63/63	65/66	68/69	70 / 70	71 / 71	70/70	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	840/2,160	900/2,240	1,230/2,700	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450	-
	Indoor / Outdoor (Heating)	High	840/1,830	900/1,960	1,230/2,700	1,400/3,750	1,800/3,750	1,850/4,450	1,850/3,750	1,850/4,450	-
Net Dimensions H x W x D	Indoor	mm	235x1,080x705	235x1,080x705	235x1,390x705	235x1,390x705	235x1,700x705	235x1,700x705	235x1,700x705	235x1,700x705	235x1,700x705
	Outdoor	mm	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	788x940x320	998x940x320	998x940x320
Weight	Indoor	kg(lbs)	24(53)	24(53)	31(68)	31(68)	38(84)	38(84)	38(84)	38(84)	40(88)
	Outdoor	kg(lbs)	36(79)	38(84)	42(93)	52(115)	52(115)	67(148)	53(117)	67(148)	67(148)
Remote Controller Type (NOT Supplied With Unit)			NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY								
Interconnecting Cable (Suggested cable size 2.5mm)			3 Core +Earth					3 Core +Earth			
Suggested MCB Size	Amp		16	16	20	25	25	32	16	16	16
Max. Operating Current	Cooling/Heating	A	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6 / 22.6	28.5 / 28.5	10.5/10.5	14.0/14.0	14.0/14.0
Power Supply To			Outdoor								
Connection Pipe Diameter (Gas / Liquid)			1/2 & 1/4		1/2 & 1/4	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	Outdoor		5/8 & 3/8
Max Pipe Length (Pre-Charge)			30(20)		30(20)	50(30)	50(30)	50(30)	50(30)	50(30)	50(30)
Max Height Difference			20		25	30	30	30	30	30	30
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32	R32	R32
	Charge	g	1020	1250	1250	1900	1900	2700	1900	2700	2700
	Additional Charge	g/m	20	20	20	40	40	40	40	40	40
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24

Optional parts

Compact Remote Controller: UTY-RCRYZ1
 Wired Remote Controller (Touch Panel): UTY-RNRYZ3
 Simple Remote Controller (Without operation mode): UTY-RHRY
 Simple Remote Controller: UTY-RSRY
 External Switch Controller: UTY-TERX
 External input and output PCB: UTY-XCSX
 External input and output PCB Box: UTY-GXRA

External Connect Kit: UTY-XWZXZG
 Wireless LAN Interface: UTY-TFSXZ1
 MODBUS® Converter: UTY-VMSX
 KNX® Converter: UTY-VKSX
 Drain Pump Unit: UTZ-DPB24T
 IR Receiver Unit: UTY-LBTYH
 L-Type Piping Kit: UTP-FX24A (18/22/24)
 UTP-FX35A (30/36/45/54)

Network Converter for single split (DC power supply type): UTY-VTGX
 Network Converter for single split (AC power supply type): UTY-VTGVX

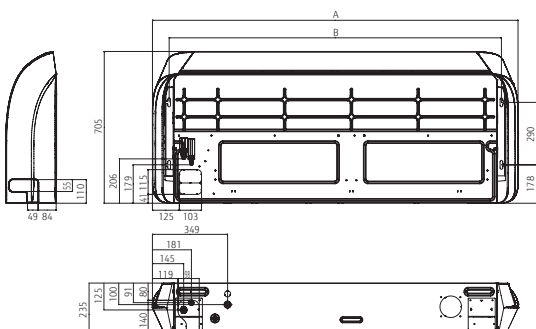
Wireless interface for use with Smart home products: FJ-AC-WIFI-1

(Outdoor unit 30/36/45/54)

External Connect Kit: UTY-XWZXZ3

Dimensions

(Unit : mm)



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