



Light Commercial & Residential SPLIT

- 020 Indoor Units Lineup
- 023 Feature Explanation
- 024 Feature Summary



Refrigerant type R32 models

Wall Mounted

- 028 – High Spec & Design
 - Designer
- 032 Standard Series
 - High Efficiency & Comfort
 - High Efficiency & Large Room
- 038 Economy Series
 - Compact & Comfort
 - Comfort for Large Room

Cassette

- 042 Economy & Standard Compact 4-way Flow Series – Compact & Comfort
- 044 Economy & Standard Circular Flow Series – Comfort for Large Room

Duct

- 046 Economy & Standard Slim Duct – Slim & Comfort
- 048 Medium Static Pressure Duct – Compact & Comfort
- 050 Economy Medium Static Pressure Duct – Standard
- 052 High Static Pressure Duct

Ceiling

- 062 Economy & Standard Ceiling



Refrigerant type R410A models

Duct

- 054 High Static Pressure Duct
- 056 Big Duct

Floor, Floor/Ceiling

- 058 Floor – Compact & Comfort
- 060 Floor/Ceiling – Comfort & Dual Design





Indoor Units Lineup



Type	Series	Refrigerant	Model	Capacity	
				7	9
Wall Mounted	Designer Series High Spec & Design			ASYG07KGTB	ASYG09KGTB
	Designer Series Design		 KETA KETA-B	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		 18/22/24 30/36/45/54		
Duct	Slim Duct		 09/12/14 18		ARXG09KLLAP
	Medium Static Pressure Duct Compact & Comfort		 12/14 18/22/24/30 36/45/54		
	Medium Static Pressure Duct Economy				
	High Static Pressure Duct				
Ceiling			 18/22 24/30 36/45/54		



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.

SPLIT

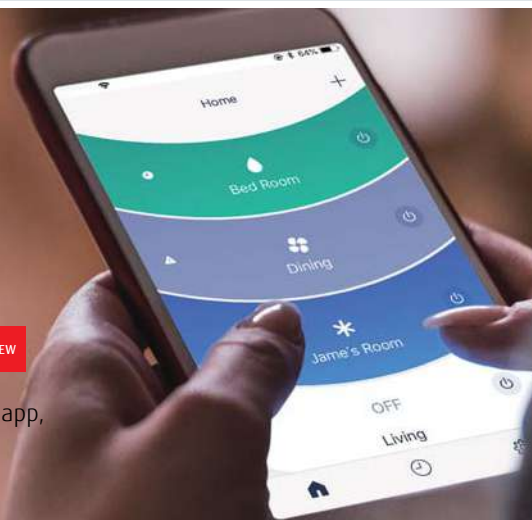
Capacity								
12	14	18	22	24	30	36	45	54
ASYG12KGTB	ASYG14KGTB							
ASYG12KETA ASYG12KETA-B	ASYG14KETA ASYG14KETA-B							
ASYG12KMTB ASYG12KMCC*	ASYG14KMTB ASYG14KMCC*							
		ASYG18KMTA		ASYG24KMTA				
					ASYG30KMTA	ASYG36KMTA		
ASYG12KPCA								
		ASYG18KLCA*		ASYG24KLCA*				
AUXG12KVLA	AUXG14KVLA	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

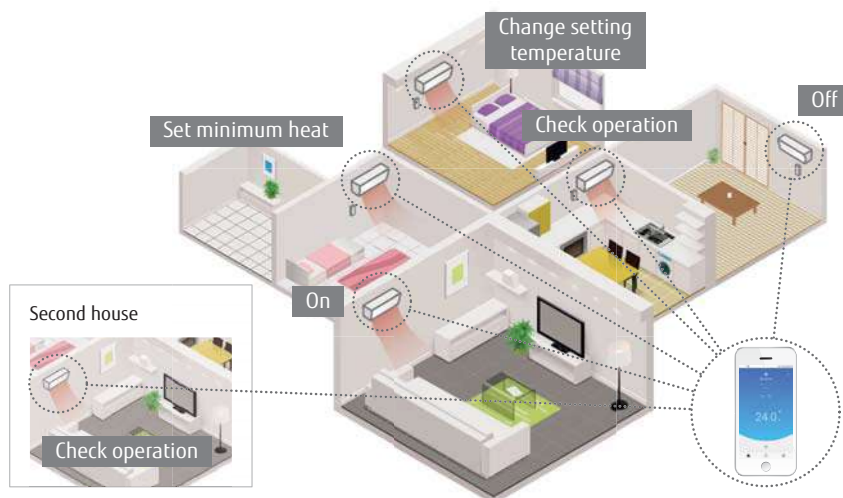
User friendly screen display facilitates easy operation. **NEW**

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	●	●	●	●
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				
	 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)

○: Optional function

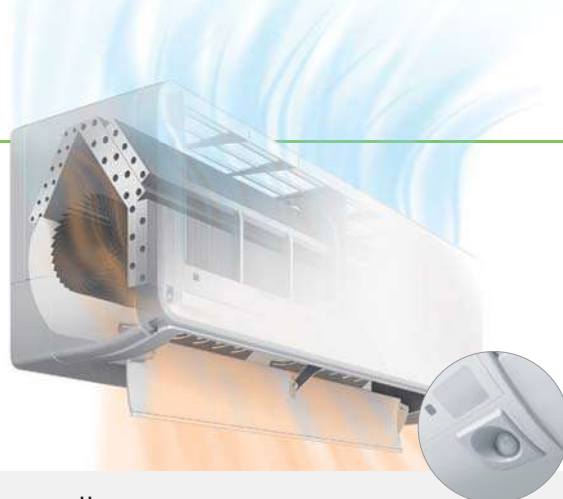
Wall Mounted High Spec Series

High Spec & Design



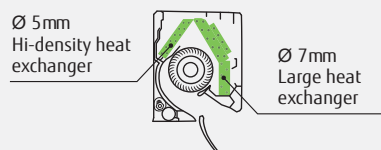
High energy saving

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



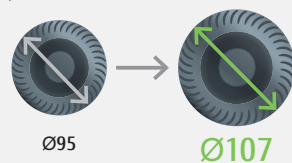
Hybrid-heat exchanger

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



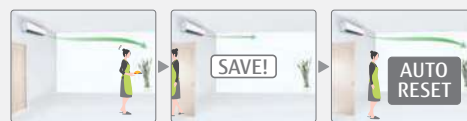
Ø107 Large cross-flow fan

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		A0YG07KGCA	A0YG09KGCA	A0YG12KGCA	A0YG14KGCA
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		kW	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		5.00	4.50	4.22	3.57
COP	Heating	W/W	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		8.52	8.52	8.51	7.11
SCOP	Heating (Average)	W/W	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		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/19	40/34/29/19	40/35/30/19	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/21	42/36/31/21	42/38/33/21	44/39/33/24
	Outdoor (Cooling/Heating)	High	46/46	46/48	50/50	50/50
Sound Power Level	Indoor (Cooling/Heating)	High	54/56	55/57	56/58	57/59
	Outdoor (Cooling/Heating)	High	61/62	61/63	65/66	65/66
Airflow Rate	Indoor / Outdoor	High	650/1610	700/1610	700/1680	770/1680
Net Dimensions	Indoor	mm	270×834×215			
H x W x D		kg	10			
Weight	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			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

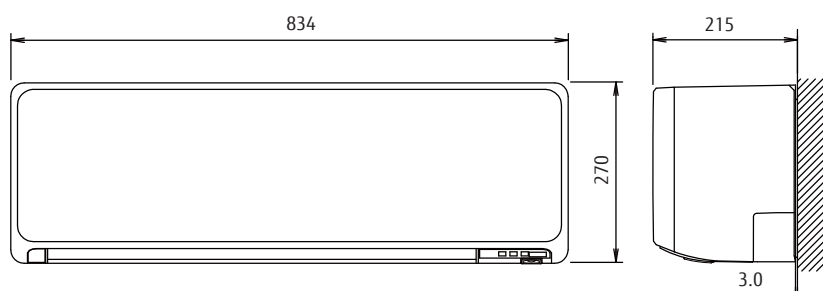
Compact Wired Remote Controller: UTY-RCRYZ1
 Wired Remote Controller (Touch Panel): UTY-RNRYZ3
 Simple Remote Controller (Without operation mode): UTY-RHRY
 Simple Remote Controller: UTY-RSRY
 External Switch Controller: UTY-TERX

Wireless LAN Interface: UTY-TFSXW1
 Communication Kit: UTY-TWRXZ2
 KNX® Converter: UTY-VKSX
 MODBUS® Converter: UTY-VMSX
 External input and output PCB: UTY-XCSXZ2
 External Connect Kit: UTY-XWZX

Network Converter for single split (DC power supply type): UTY-VTGX
 Network Converter for single split (AC power supply type): UTY-VTGXV
 Wireless interface for use with Smart home products: FJ-AC-WIFI-1

Dimensions

(Unit : mm)



NEW

Wall Mounted Designer Series

Cool Beauty Design



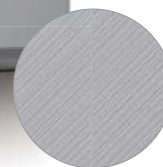
Cool Beauty Design

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



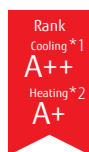
CMF : COLOUR MATERIAL FINISH

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.

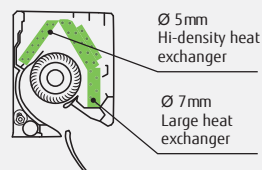


SEER ^{*1} **7.4** **SCOP** ^{*2} **4.4**

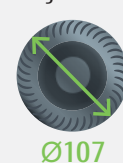
*1: 07/09 models

*2: 12 model

Hybrid-heat exchanger



Ø107 Large cross-flow fan



Comfortable airflow & Silent operation

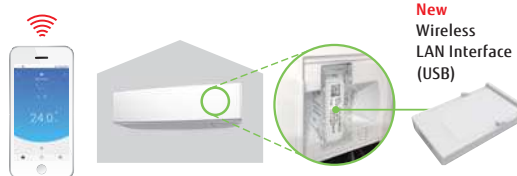
The large louvre and associated structures provide a comfortable air flow that spreads to user's feet with silent operation.



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

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)	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		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
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
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
Sound Power Level	Outdoor(Cooling/Heating)	High	61 / 61	61 / 62	65 / 65	65 / 66	
Airflow Rate	Indoor / Outdoor (Cooling)	High	m³/h	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			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				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

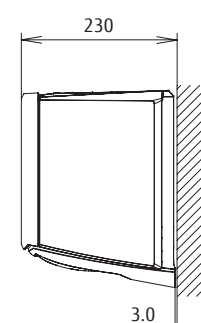
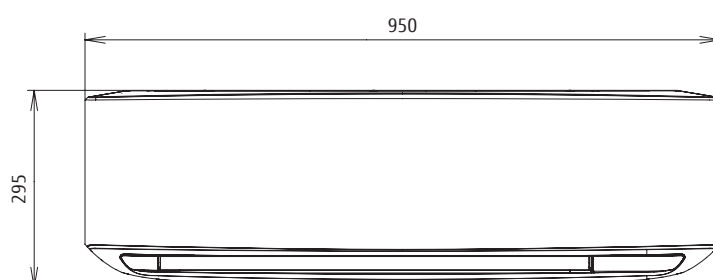
Communication Kit: UTY-TWRXZ2
 External input and output PCB: UTY-XCSXZ2
 External Connect Kit: UTY-XWZXZ5
 External Switch Controller: UTY-TERX
 Wireless LAN Interface: UTY-TFSXF2

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

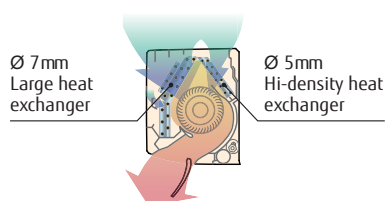
High Efficiency & Comfort



Slim & stylish square design

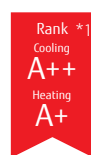
Slim and stylish square design is realised by using a high density multi-path heat exchanger and a high efficiency fan.

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}

*1: 07/09 models

SCOP
4.4^{*2}

*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)



For ASYG07/09/12KMCC



For ASYG14KMCC



Wireless R.C.

Specifications

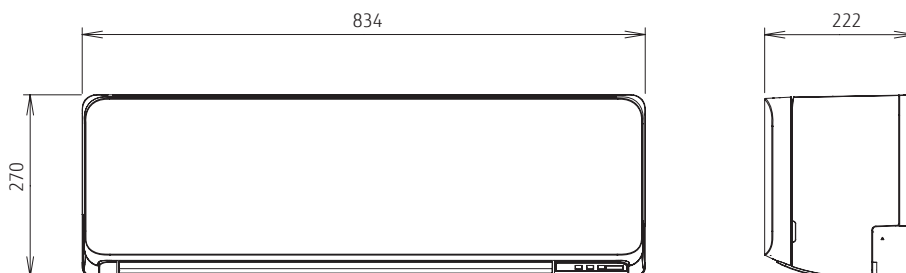
Model No.	Indoor unit		ASYG07KMCC	ASYG09KMCC	ASYG12KMTB ASYG12KMCC	ASYG14KMTB ASYG14KMCC
	Outdoor unit		AOYG07KMCC	AOYG09KMCC	AOYG12KMTB AOYG12KMCC	AOYG14KMTB AOYG14KMCC
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)
	Heating		2.5 (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		kW	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	6.90
SCOP	Heating (Average)		4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Annual Energy Consumption	Cooling	kWh/a	97	118	168	213
	Heating		785	820	813	1366
Moisture Removal		l/h	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
	Indoor (Heating)	H/M/L/Q		41/35/31/22	42/36/31/22	42/38/33/22
	Outdoor(Cooling/Heating)	High		46/46	46/46	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	m³/h	650/720	700/750	700/770
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	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	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)



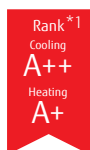
Wall Mounted Standard Series

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.

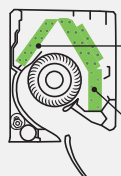


SEER ^{*1} 7.7 SCOP ^{*1} 4.5

*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.

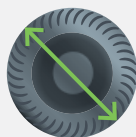


Ø 5mm
Hi-density heat
exchanger

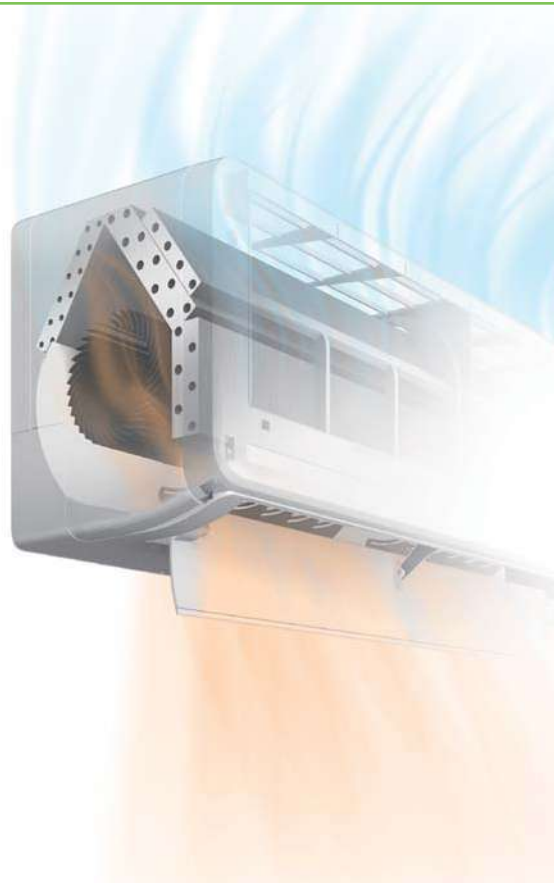
Ø 7mm
Large heat
exchanger

Ø107 Large cross-flow fan

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



Ø107



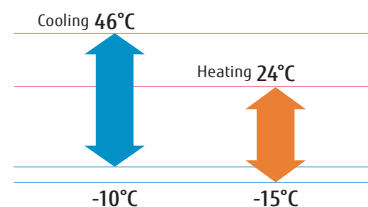
Smartphone Control (Option)

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



For ASYG18KMTA



For 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	kW	1.39/1.56		2.08/1.91		
EER	Cooling	W/W	3.74		3.41		
COP	Heating		4.04		4.19		
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.8		7.1/7.1		
SEER	Cooling	W/W	7.77		7.28		
SCOP	Heating (Average)		4.56		4.18		
Energy Efficiency Class	Cooling		A++		A++		
	Heating (Average)		A+		A+		
Annual Energy Consumption	Cooling	kWh/a	234		341		
	Heating		1,472		2,372		
Moisture Removal		l/h	1.3		2.7		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/40/35/29		49/40/35/29	
	Indoor (Heating)	H/M/L/Q		46/40/35/29		49/40/35/29	
	Outdoor(Cooling/Heating)	High		50/50		54/52	
Sound Power Level	Indoor(Cooling/Heating)	High		60/61		65/65	
	Outdoor(Cooling/Heating)	High		65/65		67/66	
Airflow Rate	Indoor / Outdoor (Cooling)	High	m³/h	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 × 980 × 240		280 × 980 × 240		
	Outdoor	mm	632 × 799 × 290		716 × 820 × 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	A	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	°CDB	-10 to 46		-10 to 46		
	Heating		-15 to 24		-15 to 24		
Refrigerant	Type		R32		R32		
	Charge	g	1020		1320		
	Additional Charge	gm	20		20		

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

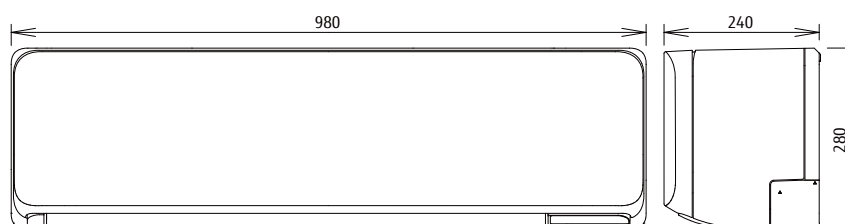
Communication Kit: UTY-TWRXZ2
 External input and output PCB: UTY-XCSXZ2
 External Connect Kit: UTY-XWZXZ5
 Wireless LAN Interface: UTY-TFSXF2
 External Switch Controller: UTY-TERX

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 & 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

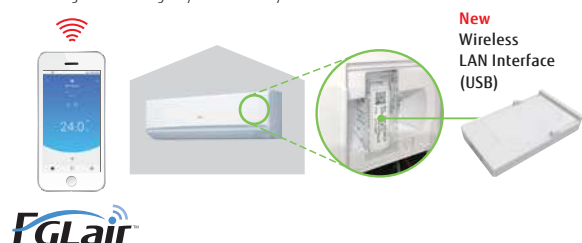
R32 Refrigerant has a lower global warming potential than other refrigerants currently available, making it a more environmentally friendly solution.



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



Wireless R.C.



Specifications

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		kW	7.55 / 8.87		5.82 / 6.70	
Input Power	Cooling/Heating		kW	2.33/2.20		3.16/2.73
EER	Cooling	W/W	3.43		2.97	
COP	Heating		4.00		3.70	
Pdesign	Cooling/Heating(-10°C)		kW	8.0/6.5		9.4/7.1
SEER	Cooling	W/W	6.67		6.14	
SCOP	Heating (Average)		4.54		4.52	
Energy Efficiency Class	Cooling		A++		A++	
	Heating (Average)		A+		A+	
Annual Energy Consumption	Cooling	kWh/a	419		535	
	Heating		2,001		2,198	
Moisture Removal			l/h	2.6		3.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	50/44/40/33		50/44/40/33
	Indoor (Heating)	H/M/L/Q		49/44/39/33		49/44/39/33
	Outdoor (Cooling/Heating)	High		53/55		55/55
Sound Power Level	Indoor (Cooling/Heating)	High		65/65		65/65
	Outdoor (Cooling/Heating)	High		68/69		70/70
Airflow Rate	Indoor / Outdoor (Cooling)	High		m³/h	1,330/3,750	
	Indoor / Outdoor (Heating)	High	1,330/3,750		1,330/3,750	
Net Dimensions H x W x D	Indoor	mm	340x1,150x280		340x1,150x280	
Weight	Outdoor	mm	788x940x320		788x940x320	
	Indoor	kg(lbs)	18.5(41)		18.5(41)	
	Outdoor	kg(lbs)	52.0(115)		52.0(115)	
Remote Controller Type (Supplied With Unit)			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		21.5/21.5	
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
 Wired Remote Controller (Touch Panel): UTY-RNRYZ3
 Simple Remote Controller (Without operation mode): UTY-RHRY
 Simple Remote Controller: UTY-RSRY
 External Connect Kit: UTY-XWZXZ5

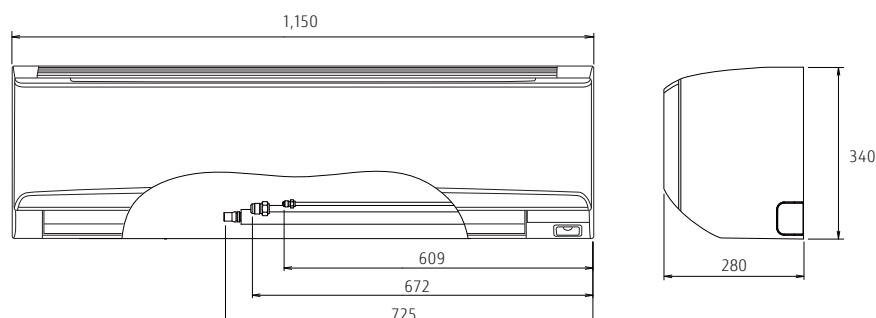
External Input and Output PCB: UTY-XCSXZ2
 Communication Kit: UTY-TWRXZ2
 Wireless LAN Interface: UTY-TFSXF2
 External Switch Controller: UTY-TERX
 KNX® Converter: UTY-VKSX*
 MODBUS® Converter: UTY-VMSX*

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

(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.



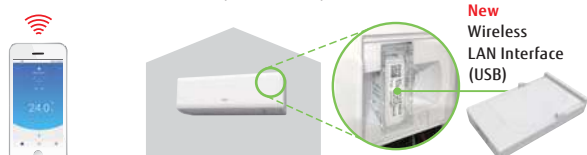
Comfortable airflow & Silent operation

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

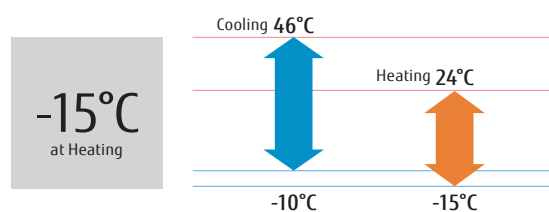


Smartphone Control (Option)

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		1.00/1.14		
EER	Cooling	W/W	3.52		3.40		
COP	Heating		3.54		3.33		
Pdesign	Cooling/Heating(-10°C)	kW	2.5/2.4		3.4/2.5		
SEER	Cooling	W/W	6.70		6.30		
SCOP	Heating (Average)		4.00		4.10		
Energy Efficiency Class	Cooling		A++		A++		
	Heating (Average)		A+		A+		
Annual Energy Consumption	Cooling	kWh/a	131		189		
	Heating		840		853		
Moisture Removal		l/h	1.3		1.8		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	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	m³/h	57/58		59/59	
	Outdoor(Cooling/Heating)	High		59/59		62/62	
Airflow Rate	Indoor / Outdoor (Cooling)	High	m³/h	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		270x784x224		
	Outdoor	mm	541x663x290		541x663x290		
Weight	Indoor	kg(lbs)	8(18)		8(18)		
	Outdoor	kg(lbs)	23 (51)		25 (55)		
Remote Controller Type (Supplied With Unit)			Wireless		Wireless		
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth				
Suggested MCB Size		Amp	10		10		
Max. Operating Current	Cooling/Heating	A	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		
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7		13.8/15.8 to 16.7		
Max Pipe Length (Pre-Charge)		m	20 (15)		20 (15)		
Max Height Difference			15		15		
Operation Range	Cooling	°CDB	-10 to 46		-10 to 46		
	Heating		-15 to 24		-15 to 24		
Refrigerant	Type	g	R32		R32		
	Charge		550		590		
	Additional Charge		g/m	20		20	

Optional parts

Wireless LAN Interface: UTY-TFSXF2

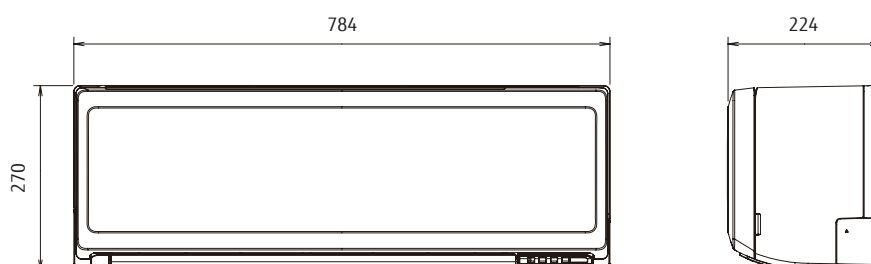
Remote Controller Holder Kit: UTZ-RXLA

Wireless interface for use with

Smart home products: FJ-AC-WIFI-1

Dimensions

(Unit : mm)



Wall Mounted Economy Series

Comfort for Large Room



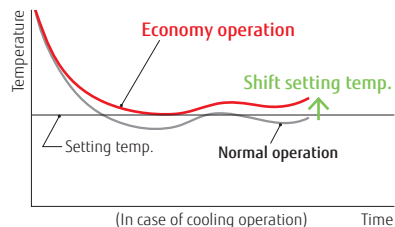
Narrow width & Compact Design

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.



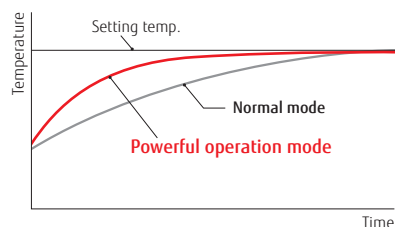
Economy operation

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



Powerful operation

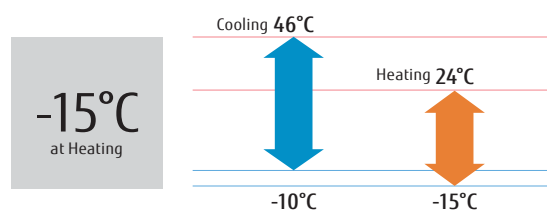
20 minutes continuous operation with maximum airflow and maximum compressor speed. Rapid cooling and heating make the room comfortable quickly.



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.

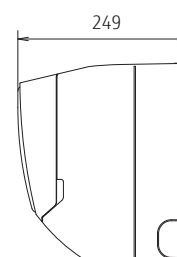
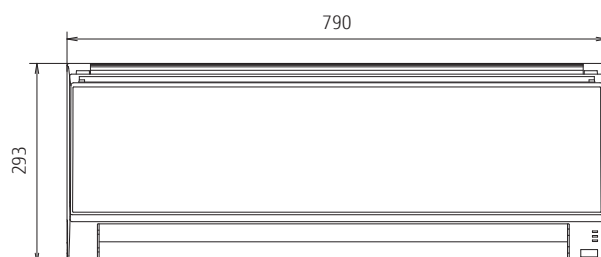
Specifications

Model No.	Indoor unit		ASYG18KLCA	ASYG24KLCA
	Outdoor unit		AOYG18KLTA	AOYG24KLTA
Power Source			Single-phase, ~230V, 50Hz	
Capacity	Cooling	kW	5.2 (0.9-5.5)	7.1 (0.9-7.7)
	Heating		6.3 (0.6-7.67)	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
COP	Heating		3.50	3.60
Pdesign	Cooling/Heating(-10°C)	kW	5.20/4.80	7.10/7.10
SEER	Cooling	W/W	7.20	7.10
SCOP	Heating (Average)		4.30	4.00
Energy Efficiency Class	Cooling		A++	A++
	Heating (Average)		A+	A+
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	47/44/40/35	51/45/38/33
	Indoor (Heating)	H/M/L/Q	50/45/41/37	52/45/41/37
	Outdoor(Cooling/Heating)	High	50/56	55/57
Sound Power Level	Indoor(Cooling/Heating)	High	60/65	64/65
	Outdoor(Cooling/Heating)	High	61/66	65/67
Airflow Rate	Indoor / Outdoor (cooling)	High	865/1,830	1,040/2,885
	Indoor / Outdoor (heating)	High	995/2,265	1,040/3,030
Net Dimensions H x W x D	Indoor	mm	293×790×249	293×790×249
Weight		kg	9.5	10.0
	Outdoor	mm	542×799×290	632×799×290
		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

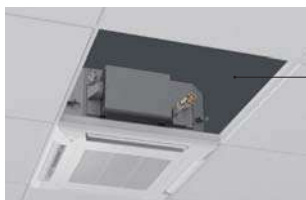
Economy Specifications

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	
COP	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	
SCOP	Heating		4.0	4.0	4.0	3.9	3.9	3.8	
Energy Efficiency Class	Cooling	kWh/a	A++	A++	A++	A++	A++	A+	
	Heating		A+	A+	A+	A	A	A	
Annual Energy Consumption	Cooling	I/h	141	201	247	298	344	403	
	Heating		804	979	1,120	1,362	1,578	1,988	
Moisture Removal			0.6	1.2	1.5	2.2	2.6	2.7	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	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
	Outdoor(Cooling/Heating)	High		47/48	49/50	50/51	51/52	52/53	54/55
Sound Power Level	Indoor(Cooling/Heating)	High	m³/h	46/47	49/49	50/55	50/55	56/57	59/61
	Outdoor(Cooling/Heating)	High		60/60	62/62	63/63	63/64	64/65	66/67
Airflow Rate	Indoor / Outdoor (Cooling)	High		540/1,610	600/1,630	680/1,670	680/1,710	830/2,240	930/2,885
	Indoor / Outdoor (Heating)	High	540/1,550	600/1,410	800/1,580	800/1,840	860/2,240	930/2,350	
Net Dimensions H x W x D	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570	245×570×570	245×570×570	
	Outdoor	mm	541×663×290	541×663×290	542×799×290	542×799×290	632×799×290	632×799×290	
Weight	Indoor	kg(lbs)	15(33)	15(33)	15(33)	15(33)	16(35)	16(35)	
	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	16	20	
Max. Operating Current			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	
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	g	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	R32(675)	
	Charge		600	700	850	900	1100	1250	
	Additional Charge		g/m	-	-	20	20	20	20
Cassette Grille	Model name	mm	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	UTG-UFYF-W	
	Dimensions (H × W × D)		49x620x620	49x620x620	49x620x620	49x620x620	49x620x620	49x620x620	
	Weight		kg(lbs)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)

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

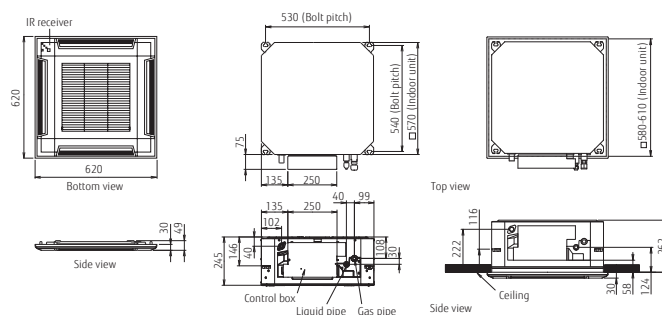
Model No.	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB
Power Source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.0 (0.9-6.7)	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		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		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		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
	Outdoor(Cooling/Heating)	High	46/46	47/47	49/49	50/50	51/51	53/54
Sound Power Level	Indoor(Cooling/Heating)	High	46/47	49/49	50/55	50/55	56/57	59/61
	Outdoor(Cooling/Heating)	High	59/59	61/61	62/62	62/62	63/63	65/66
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	Indoor	mm	245x570x570	245x570x570	245x570x570	245x570x570	245x579x570	245x570x570
H x W x D	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
	Additional Charge	g/m	20	20	20	20	20	20
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
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-VMSX	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	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit	AOYG18KATA	AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG54KATA	AOYG36KQTA	AOYG45KQTA	AOYG54KQTA
Power Source		Single phase, ~230V, 50Hz								3 phase, ~400V, 50Hz	
Capacity	Cooling	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	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	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)	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	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++	A++	A++	A++	-	-	A++	-	-
	Heating	A+	A+	A+	A+	A+	-	-	A+	-	-
Annual Energy Consumption	Cooling	293	338	390	488	545	-	-	545	-	-
	Heating	1,297	1,502	1,887	2,794	3,044	-	-	3,044	-	-
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)	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)	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	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	58/58	-/-	-/-
	Outdoor(Cooling/Heating)	High	63/64	64/65	66/67	68/69	70/70	72/73	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	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	1,870/3,750	2,000/4,450	2,100/4,780
Net Dimensions	Indoor	mm	246×840×840	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840	288×840×840	288×840×840
H x W x D	Outdoor	mm	542×799×290	632×799×290	632×799×290	788×940×320	788×940×320	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)
	Outdoor	kg(lbs)	33(73)	36(79)	38(84)	52(115)	52(115)	61(134)	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	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
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32	R32	R32
	Charge	g	900	1100	1250	1900	1900	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
	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)

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		AQYG18KBTB	AQYG22KBTB	AQYG24KBTB	AQYG30KBTB	AQYG36KBTB	AQYG45KBTB	AQYG54KBTB	AQYG36KRTA	AQYG45KRTA	AQYG54KRTA
Power Source			Single-phase, ~230V, 50Hz							3 phase, ~400V, 50Hz		
Capacity	Cooling	kW	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)
	Heating	kW	6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)
UK Total/sensible cooling			5.01/4.03	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	W/W	3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73
Pdesign	Cooling/Heating (-10°C)	kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-
SEER	Cooling	W/W	7.00	7.00	6.60	6.70	6.55	-	-	6.55	-	-
SCOP	Heating (Average)	W/W	4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++	-	-	A++	-	-
	Heating (Average)		A+	A+	A+	A+	A+	-	-	A+	-	-
Annual Energy Consumption	Cooling	kWh/a	260	300	360	444	507	-	-	507	-	-
	Heating	kWh/a	1,431	1,527	1,999	2,601	2,828	-	-	2,828	-	-
Moisture Removal		l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	57/59	55/55	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High	47/47	49/49	49/49	54/54	58/58	60/60	61/61	58/58	60/60	61/61
	Outdoor (Cooling/Heating)	High	62/62	63/63	65/66	68/69	70/70	71/71	73/73	70/70	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,050/2,160	1,050/2,240	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
	Indoor / Outdoor (Heating)	High	1,050/1,830	1,050/1,960	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
Net Dimensions	Indoor	mm	246x840x840	246x840x840	246x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
H x W x D	Outdoor	mm	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	998x940x320	788x940x320	998x940x320	998x940x320
Weight	Indoor	kg(lbs)	23 (51)	23 (51)	24 (53)	26 (57)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)	29 (64)
	Outdoor	kg(lbs)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	67 (148)	53 (117)	67 (148)	67 (148)
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	°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	-15 to 24
Refrigerant	Type		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 UTI-RNRYZ3 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:
Wired Remote Controller (Touch Panel):
Wired Remote Controller:
Simple Remote Controller (Without operation mode):
Simple Remote Controller:
Human Sensor Kit:
External Switch Controller:
External Connect Kit:

UTY-RCRYZ1
UTY-RNRYZ3
UTY-RVNYM
UTY-RHRY
UTY-RSRY
UTY-SHZXC
UTY-TERX
UTY-XWZXZG

Wireless LAN Interface:
KNX® Converter:
MODBUS® Converter:
External input and output PCB:
External input and output PCB Box:
Fresh Air Intake Kit:
IR Receiver Unit

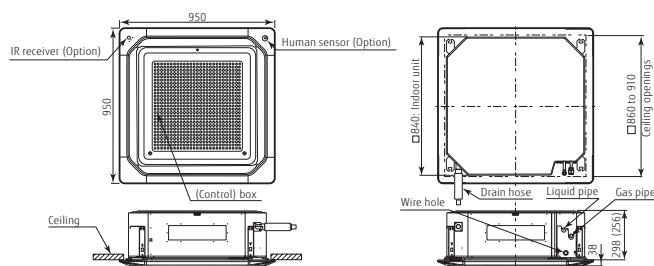
UTY-TFSXZ1
UTY-VKSX
UTY-VMSX
UTY-XCSX
UTZ-GXRA
UTZ-VXRA
UTY-LBTYC

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



() : 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	kW	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	
COP	Heating		3.64	3.50	3.52	3.51	
Pdesign	Cooling/Heating(-10°C)	kW	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		l/h	0.7	1.3	1.5	2.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q		28/26/25/24	29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor(Cooling/Heating)	High		47/48	49/50	50/51	51/52
Sound Power Level	Indoor(Cooling/Heating)	High	57/57	58/58	60/60	58/58	
	Outdoor(Cooling/Heating)	High	60/60	62/62	63/63	63/64	
Airflow Rate	Indoor / Outdoor (Cooling)	High	m³/h	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)		Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	
Net Dimensions H x W x D	Indoor	mm	198×700×620	198×700×620	198×700×620	198×900×620	
	Outdoor	mm	541×663×290	541×663×290	542×799×290	542×799×290	
Weight	Indoor	kg(lbs)	17(37)	17(37)	17(37)	20(44)	
	Outdoor	kg(lbs)	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		Amp	10	10	13	13	
Max. Operating Current	Cooling/Heating	A	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	kW	3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
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		4.17	3.76	3.36	3.35
COP	Heating	W/W	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		6.20	6.10	5.80	6.20
SCOP	Heating	W/W	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	kWh/a	845	1,189	1,362	1,501
Moisture Removal			l/h	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)			Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor	mm	198x700x620	198x700x620	198x700x620	198x900x620
	Outdoor	mm	542x799x290	542x799x290	542x799x290	632x799x290
Weight	Indoor	kg(lbs)	17 (37)	17 (37)	17 (37)	20 (44)
	Outdoor	kg(lbs)	32 (71)	33 (73)	33 (73)	36 (79)
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
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	1/2 & 1/4
Max Pipe Length (Pre-Charge)			m	20 (15)	25 (15)	30 (20)
Max Height Difference				15	20	20
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32	R32
	Charge	g	850	850	850	1020
	Additional Charge	g/m	20	20	20	20

Optional parts

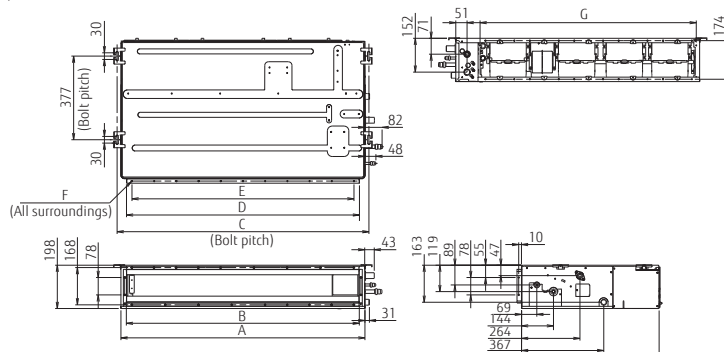
Compact Wired Remote Controller: UTY-RCRYZ1
 Wired Remote Controller (Touch Panel): UTY-RNRYZ3
 Wired Remote Controller: UTY-RVNYM
 Simple Remote Controller (Without operation mode): UTY-RHRY
 Simple Remote Controller: UTY-RSRY

External Switch Controller: UTY-TERX
 Wireless LAN Interface: UTY-TFSXZ1
 KNX® Convector: UTY-VKSX
 MODBUS® Convector: UTY-VMSX
 Remote Sensor Unit: UTY-XSZX

Network Convector for single split (DC power supply type): UTY-VTGX
 Network Convector for single split (AC power supply type): UTY-VTGXV
 Auto Louvre Grille Kit: UTD-GXSA-W (09-14)
 UTD-GXSB-W (18)
 UTY-LBTYM
 IR Receiver Unit: UTY-XWZXZG
 External Connect Kit: UTY-XWZXZG
 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

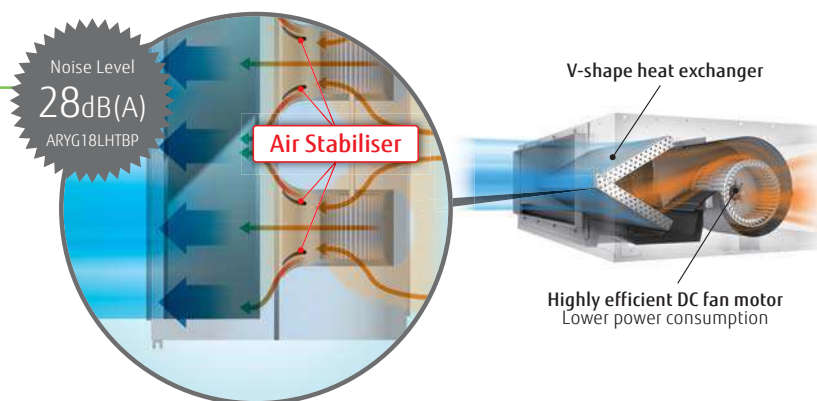


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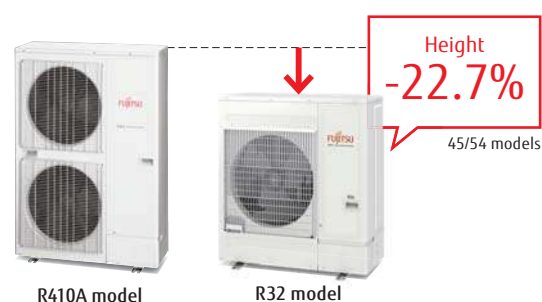
High Efficiency & Quiet operation

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.

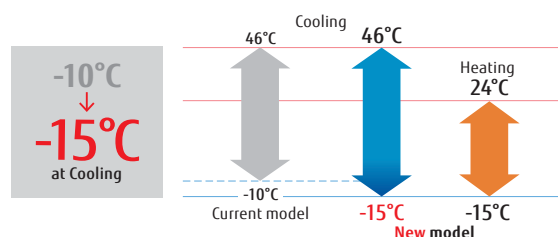


Automatic Airflow adjustment function

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]



ARXG12/14KHTAP



ARXG18/22/24/30KHTAP



ARXG36/45/54KHTAP



For ARXG12/14KHTAP



For ARXG18/22KHTAP



For ARXG24KHTAP



For ARXG30/36KHTAP



For ARXG45/54KHTAP

Standard Specifications

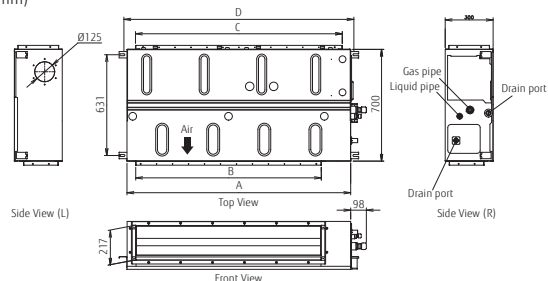
Model No.	Indoor unit		ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTA	ARXG45KHTA	ARXG54KHTA	
	Outdoor unit		A0YG12KBTB	A0YG14KBTB	A0YG18KBTB	A0YG22KBTB	A0YG24KBTB	A0YG30KBTB	A0YG36KBTB	A0YG45KBTB	A0YG54KBTB	A0YG36KRTA	A0YG45KRTA	A0YG54KRTA	
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	W/W	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	W/W	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	W/W	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			I/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	55/55	57/57	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	Outdoor(Cooling/Heating)	High	61/61	62/62	62/62	63/63	65/66	68/69	70/70	71/71	73/73	70/70	71/71	73/73	
	Indoor / Outdoor (Cooling)	High	850/1,580	950/1,670	1,050/2,160	1,050/2,240	1,360/2,700	1,700/3,750	2,050/3,750	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 (47)	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	300x1,400x700	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			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	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	-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	g	R32	R32	R32	R32	R32	R32	R32	R32	R32	R32 (675)	R32 (675)	R32 (675)	
	Charge		850	850	1020	1250	1250	1900	1900	2700	2700	1900	2700	2700	
	Additional Charge		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	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-VTGXV
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
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
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26
	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
	Outdoor(Cooling/Heating)	High		52/53	54/55	53/55	55/55	58/59	55/55
Sound Power Level	Indoor(Cooling/Heating)	High		60/62	60/62	65/69	65/70	68/70	65/70
	Outdoor(Cooling/Heating)	High	64/65	66/67	68/69	70/70	72/73	70/70	
Airflow Rate	Indoor / Outdoor (Cooling)	High	m³/h	1,100/2,240	1,100/2,885	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750
	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
Static pressure range (Standard)			Pa	30 - 150 (35)	30 - 150 (35)	30 - 150 (47)	30 - 150 (47)	30 - 150 (60)	30 - 150 (47)
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
Max Pipe Length (Pre-Charge)			m	25 (15)	25(20)	30(30)	30(30)	30(30)	30(30)
Max Height Difference			m	20	20	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:
Wired Remote Controller (Touch Panel):
Wired Remote Controller:
Simple Remote Controller (Without operation mode):
Simple Remote Controller:
IR Receiver Unit:

UTY-RCRYZ1
UTY-RNRYZ3
UTY-RVNYM
UTY-RHRY
UTY-RSRY
UTY-LBTYM

External Switch Controller: UTY-TERX
Wireless LAN Interface: UTY-TFSXZ1
KNX® Convertor: UTY-VKSX
MODBUS® Convertor: UTY-VMSX
Flange (Round): UTD-RF204
Flange (Square): UTD-SF045T

Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor 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

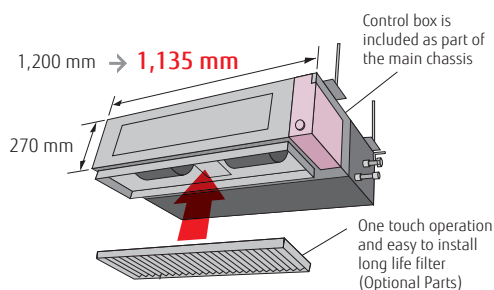
NEW ARXG36KMLA [3 phase] / **NEW** ARXG45KMLA [3 phase]



Slim & Compact design

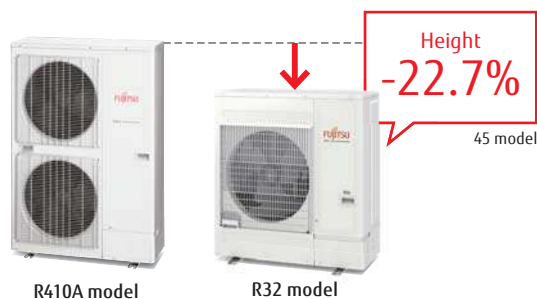
Indoor Unit

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

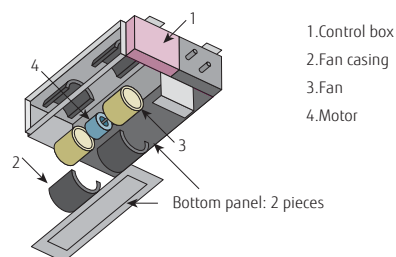
The 45 model outdoor unit was changed completely. Easier installation was achieved by compact and lightweight outdoor unit.



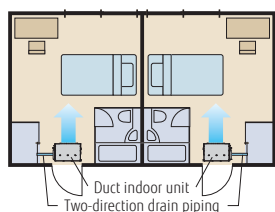
Easy maintenance

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.

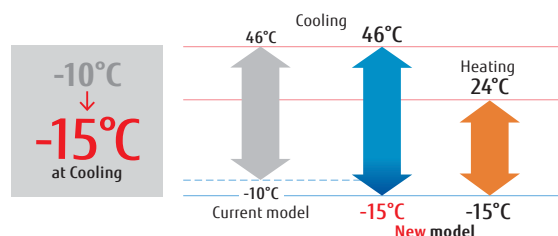
See below for the case of rear suction type



Two-direction drain piping

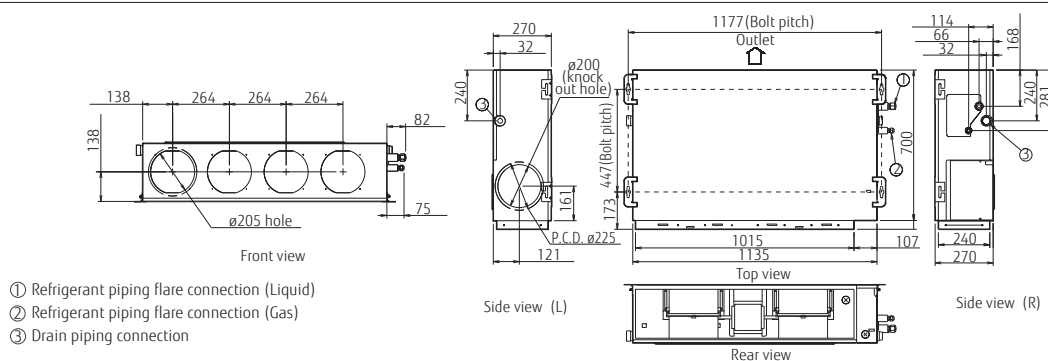


All class low ambient operation



Dimensions

(Unit : mm)

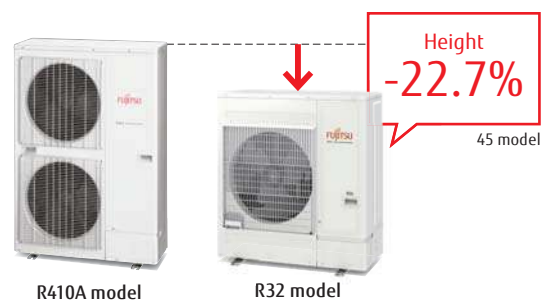


STANDARD High Static Pressure Duct

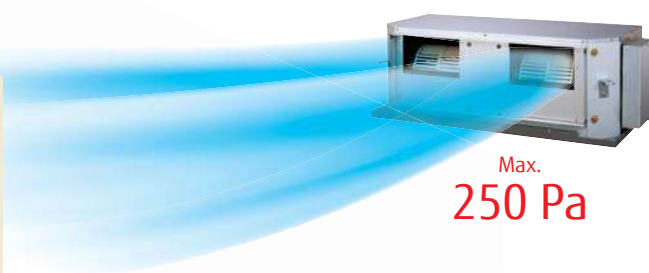
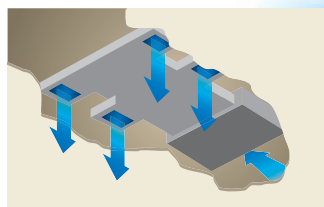


Easy installation (Compact size & Lightweight)

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

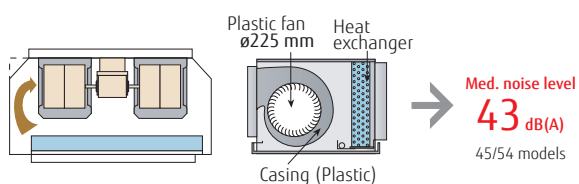


Design also corresponding to high static pressure

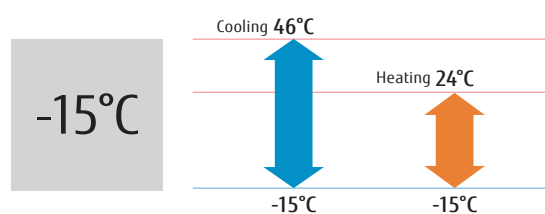


Low noise

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	kW	4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18
EER	Cooling	W/W	2.91	2.81	2.91	2.81
COP	Heating		3.74	3.71	3.74	3.71
Pdesign	Cooling/Heating (-10°C)	kW	-	-	-	-
SEER	Cooling	W/W	-	-	-	-
SCOP	Heating		-	-	-	-
Energy Efficiency Class	Cooling		-	-	-	-
	Heating		-	-	-	-
Annual Energy Consumption	Cooling	kWh/a	-	-	-	-
	Heating		-	-	-	-
Moisture Removal		l/h	1.5	2.0	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L	47/43/40	47/43/40	47/43/40	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
	Outdoor (Cooling/Heating)	High	71/71	73/73	71/71	73/73
Airflow Rate	Indoor / Outdoor (Cooling)	High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
	Indoor / Outdoor (Heating)	High	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
Static pressure range (Standard)		Pa	100 to 250 (100)	100 to 250 (100)	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		Amp	30	30	16	16
Max. Operating Current	Cooling/Heating	A	28.5	28.5	14.0/14.0	14.0/14.0
Power Supply To			Outdoor			
Connection Pipe Diameter (Gas / Liquid)		Inch	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8	5/8 & 3/8
Max Pipe Length (Pre-Charge)		m	50 (30)	50 (30)	50 (30)	50 (30)
Max Height Difference		m	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32 (675)	R32 (675)
	Charge	g	2700	2700	2700	2700
	Additional Charge	g/m	40	40	40	40
Filter (To be ordered separately)			UTD-LF60KA	UTD-LF60KA	UTD-LF60KA	UTD-LF60KA

Optional parts

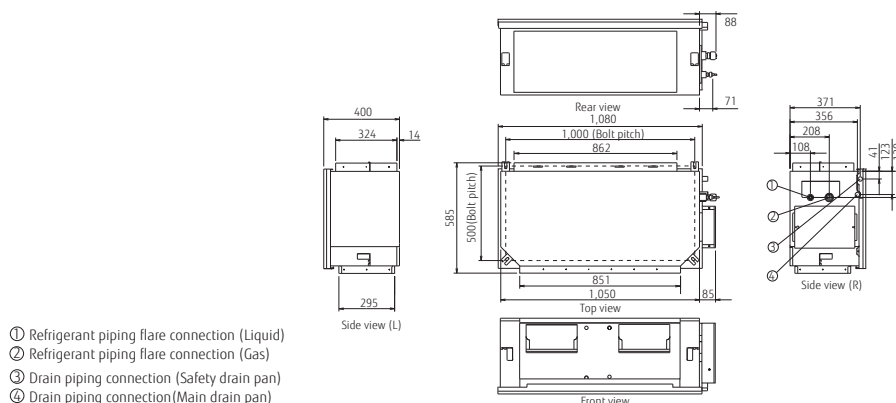
Wired Remote Controller: UTY-RVNYM
Simple Remote Controller: UTY-RSNYM
Wireless LAN Interface: UTY-TFNXZ1
FJ-RC-WIFI-2

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-VTGXV
External Switch Controller: UTY-TERX
(Outdoor unit 45/54) UTY-XWZ33
External Connect Kit:

Dimensions

(Unit : mm)



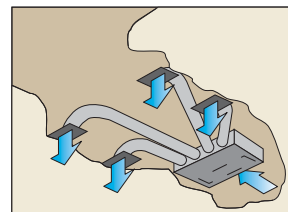
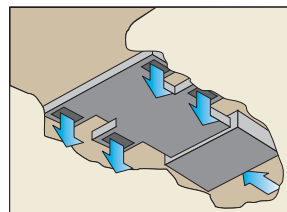
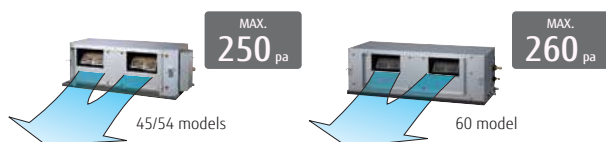
High Static Pressure Duct



High energy efficiency

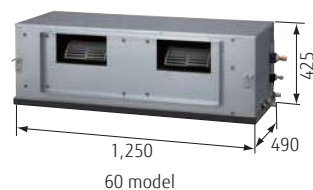
Significantly greater efficiency is achieved by using all DC inverter technology. (60 model)

Design also corresponding to high static pressure



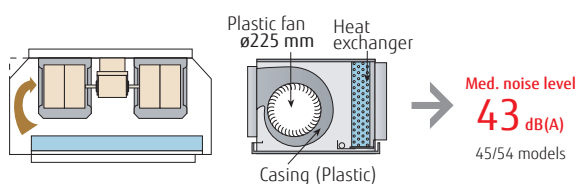
Easy installation (Compact size & Lightweight)

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

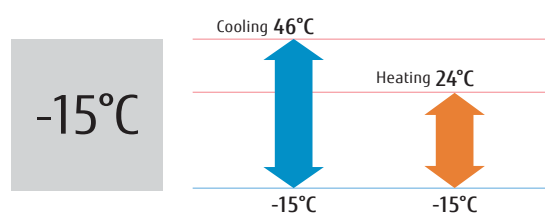


Low noise

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	kW	18.0 (6.2-20.0)	
UK Total / Sensible Cooling			13.47 / 12.77	
Input Power	Cooling/Heating		kW	
EER	Cooling		3.19	
COP	Heating		3.50	
Moisture Removal			l/h	
Sound Pressure	Indoor (Cooling)	H/M/L/Q	45/40/36/-	
	Indoor (Heating)	H/M/L/Q	45/40/36/-	
	Outdoor (Cooling/Heating)	High	56/58	
Airflow Rate	Indoor / Outdoor (Cooling)	High	3,550/6,900	
	Indoor / Outdoor (Heating)	High	3,550/7,300	
Static pressure range (Standard)			Pa	
Net Dimensions	Indoor		mm	
H x W x D	Outdoor		mm	
Weight	Indoor		kg(lbs)	
	Outdoor		kg(lbs)	
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		R410A	
	Charge	g	3,450	
	Additional Charge	g/m	50	
Operation Range	Cooling	°CDB	-15 to 46	
	Heating	°CDB	-15 to 24	

Optional parts

Wired Remote Controller: UTY-RVNYM

Simple Remote Controller: UTY-RSXYM

External Switch Controller: UTY-TERX

Wireless LAN Interface: UTY-TFNXZ1

FJ-RC-WIFI-1

Remote Sensor Unit: UTY-XSZX

MODBUS® Interface: FJ-RC-MBS-1

KNX® Interface: FJ-RC-KNX-1i

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

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

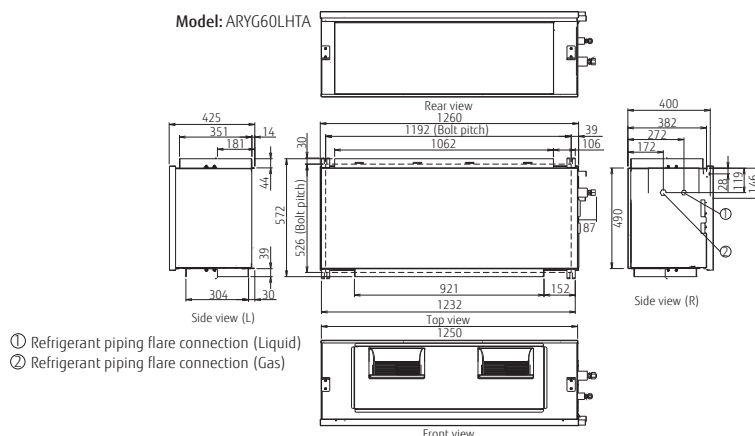
External Connect Kit: UTD-ECSSA

IR Receiver Unit: UTY-LRHYM (60)

External Connect Kit: UTY-XWZXZ2

Dimensions

(Unit : mm)

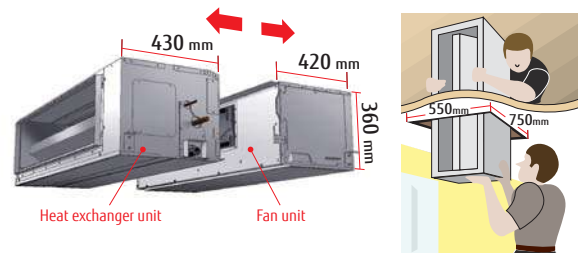


Big Duct



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.



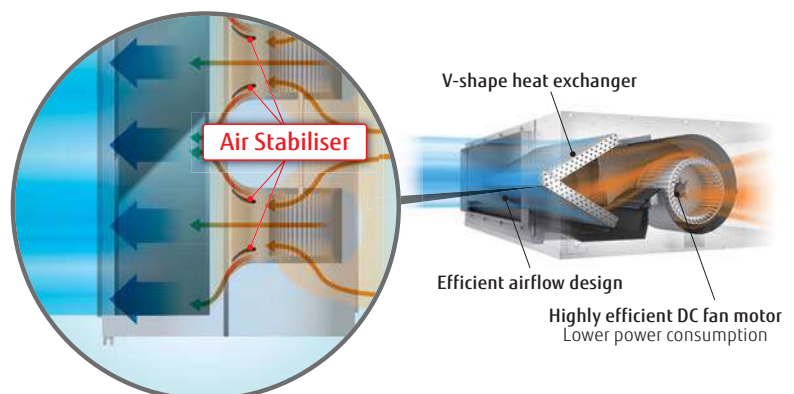
Automatic Airflow adjustment function

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	W/W	3.4	3.3
SEER (LOT21)	Cooling	W/W	5.22	5.14
SCOP (LOT21)	Heating	W/W	3.94	3.92
Moisture Removal		l/h	4.5	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	4300/8400	4300/9000
Static pressure range (Standard)		Pa	50 to 150 (72)	50 to 200 (72)
Net Dimensions	Indoor	mm	360×1400×850	360×1400×850
H x W x D		kg(lbs)	69 (152)	80 (176)
Weight	Outdoor	mm	1428×1080×480	1428×1080×480
		kg(lbs)	165 (363)	174 (383)
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	6.0/6.0
	Outdoor (Cooling/Heating)	Amp	13.3/13.3	14.6/14.6
Power Supply To			Outdoor + Indoor	
Connection Pipe Diameter (Gas / Liquid)		Inch	7/8 / 1/2	7/8 / 1/2
Max Pipe Length (Pre-Charge)		m	100 (30)	100 (30)
Height Difference			30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46
	Heating	°CDB	-20 to 24	-20 to 24
Refrigerant	Type		R410A	R410A
	Charge	g	5,600	7,160
	Additional Charge	g/m	110	110

Optional parts

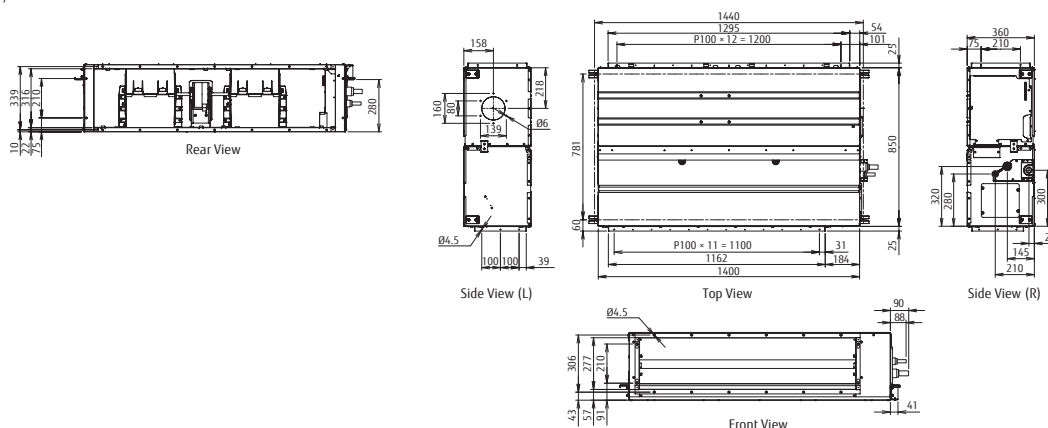
Compact Wired Remote Controller: UTY-RCRYZ1
 Wired Remote Controller (Touch Panel): UTY-RNRYZ3
 Wired Remote Controller: UTY-RVNYM
 Simple Remote Controller (Without operation mode): UTY-RHRY
 Simple Remote Controller: UTY-RSRY
 UTY-RSNYM
 External Connect Kit: UTY-XWZXZG
 Drain Pump Unit: UTZ-PX1NAB

External Switch Controller: UTY-TERX
 Wireless LAN Interface: UTY-TFSXZ1
 FJ-RC-WIFI-1
 KNX® Converter: UTY-VKSX
 MODBUS® Converter: UTY-VMSX
 External input and output PCB: UTY-XCSX
 Remote Sensor Unit: UTY-XSZX
 MODBUS® Interface: FJ-RC-MBS-1
 KNX® Interface: FJ-RC-KNX-1i
 Long Life Filter: UTD-LFKA

Network Converter for single split (DC power supply type): UTY-VTGX
 Network Converter for single split (AC power supply type): UTY-VTGXV
 UTY-LBTYM
 IR Receiver Unit: UTY-LRHYM
 (Outdoor unit 72/90)
 External Connect Kit: UTY-XWZXZ3

Dimensions

(Unit : mm)



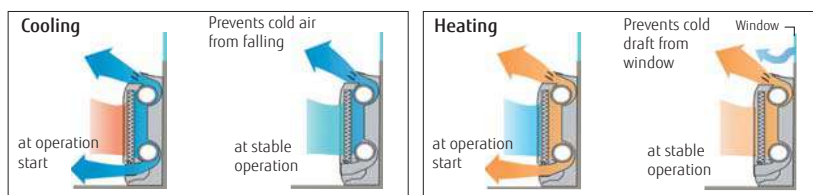
Floor

Compact & Comfort



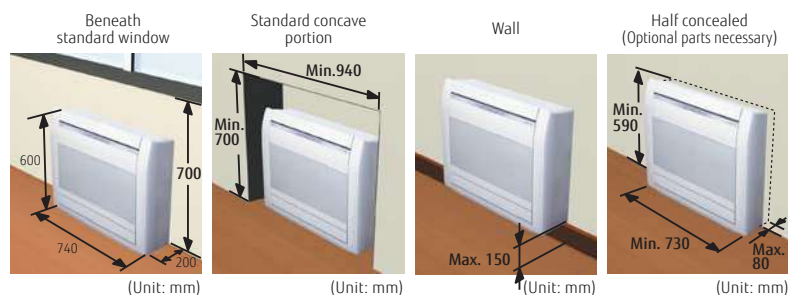
Dual Fan & Wide airflow

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



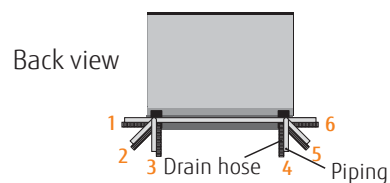
Flexible & easy installation

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



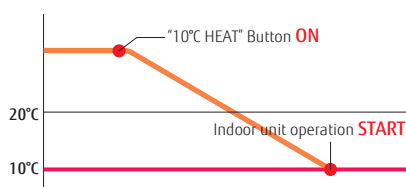
Flexible piping connection - 6 directions of drain & piping

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

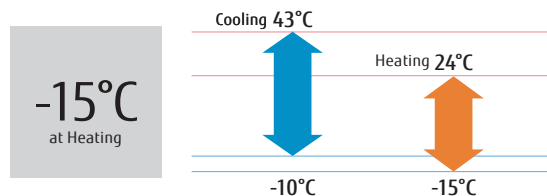


10°C HEAT Operation

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	kW	3.5 (0.9-5.5)	4.5 (0.9-6.6)	5.2 (0.9-8.0)
UK Total / Sensible Cooling			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	W/W	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)	W/W	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	kWh/a	967	1,330	1,645
Moisture Removal			l/h	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
	Indoor / Outdoor (Cooling)	High	570/1,680	570/1,680	650/1,910
Airflow Rate	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			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	°CDB	-15 to 24	-15 to 24	-15 to 24

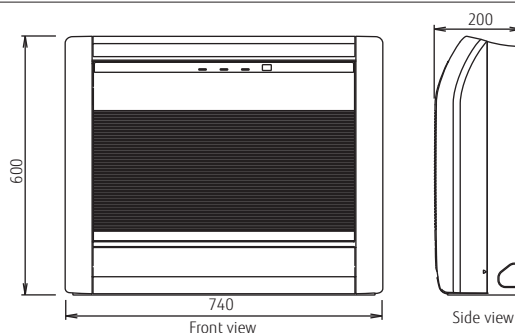
Optional parts

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



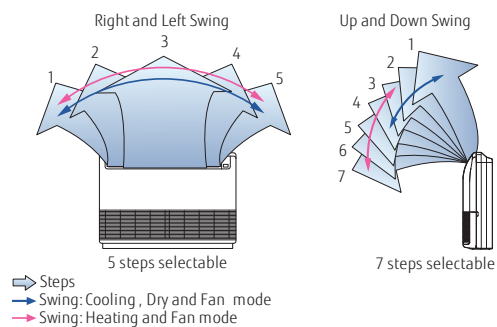
Example for ceiling installation

Under ceiling



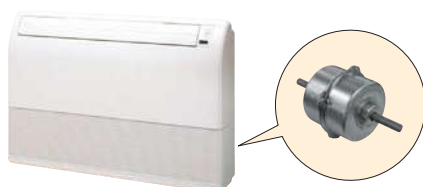
Double auto swing

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

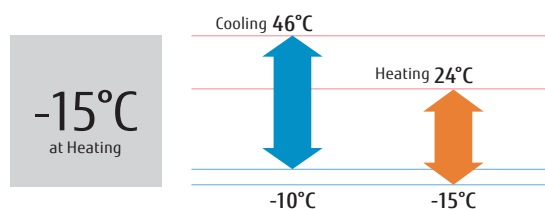


High power DC fan motor

- 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	ABYG24LVTB	
	Outdoor unit		AOYG18LBCB	AOYG24LBCB	
Power Source			Single phase, ~230V, 50Hz		
Capacity	Cooling	kW	5.2 (0.9-5.9)	6.8 (0.9-8.0)	
	Heating		6.0 (0.9-7.5)	8.0 (0.9-9.1)	
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			2.0	2.7	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/40/34/31	48/44/40/35
	Indoor (Heating)	H/M/L/Q		43/40/34/31	48/44/40/35
	Outdoor (Cooling/Heating)	High		50/50	53/54
Sound Power Level	Indoor (Cooling/Heating)	High		57/57	61/61
	Outdoor (Cooling/Heating)	High	62/65	66/66	
Airflow Rate	Indoor / Outdoor (Cooling)	High	m³/h	780/2,380	980/2,850
	Indoor / Outdoor (Heating)	High		780/2,080	980/2,700
Net Dimensions	Indoor	mm	199×990×655	199×990×655	
H x W x D	Outdoor	mm	632×799×290	716×820×315	
Weight	Indoor	kg(lbs)	27 (60)	27 (60)	
	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	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	

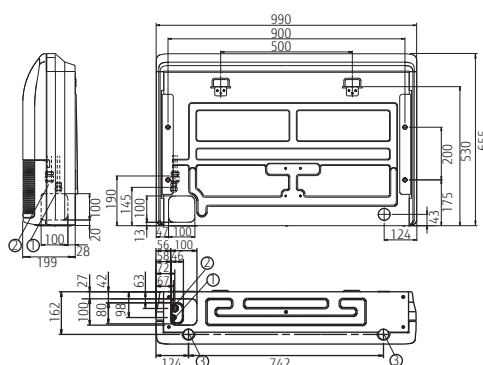
Optional parts

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

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

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

Economy Specifications			TENTATIVE					TENTATIVE				
Model No.	Indoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KRTA	ABYG45KRTA		
	Outdoor unit		AOYG18KATA	AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG36KQTA	AOYG45KQTA		
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	kWh/a	A+	A+	A+	A+	A+	-	A+	-		
	Heating		A	A	A	A	A	-	A	-		
Annual Energy Consumption	Cooling	kWh/a	-	-	-	-	-	-	-	-		
	Heating		-	-	-	-	-	-	-	-		
Moisture Removal			l/h		-	-	-	-	-	-		
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38l/-/-	42l/-/-	41l/-/-	45l/-/-	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34		
	Indoor (Heating)	H/M/L/Q	38l/-/-	42l/-/-	41l/-/-	45l/-/-	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34		
	Outdoor(Cooling/Heating)	High	51/52	52/53	54/55	53/55	55/55	58/59	55/55	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		
	Outdoor(Cooling/Heating)	High	63/64	64/65	66/67	68/69	70/70	72/73	70/70	72/73		
Airflow Rate	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		
	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		
Net Dimensions	Indoor	mm	235×1,080×705	235×1,080×705	235×1,390×705	235×1,390×705	235×1,700×705	235×1,700×705	235×1,700×705	235×1,700×705		
H x W x D	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		
Weight	Indoor	kg(lbs)	24(53)	24(53)	31(68)	31(68)	38(84)	38(84)	38(84)	38(84)		
	Outdoor	kg(lbs)	33(73)	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 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	g	R32	R32	R32	R32	R32	R32	R32	R32	R32	
	Charge		900	1100	1250	1900	1900	2700	1900	2700		
	Additional Charge		g/m	20	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	-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	-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]**



ABYG18/22KRTA



ABYG24/30KRTA



ABYG36/45/54KRTA



For ABYG18/22KRTA



For ABYG24KRTA



For ABYG30/36KRTA



For ABYG45/54KRTA

Standard Specifications

TENTATIVE

Model No.	Indoor unit	ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA
	Outdoor unit	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA
Power Source		Single phase, ~230V, 50Hz						3 phase, ~400V, 50Hz		
Capacity	Cooling	5.2(0.9-5.9)	6.0(0.9-6.7)	6.8(0.9-8.0)	8.5(2.8-10.0)	9.5(2.8-11.2)	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	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	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)	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	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	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	45/40/37/32	44/40/37/32	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	45/40/37/32	44/40/37/32	44/40/37/32	45/41/39/34	48
	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55 / 55	55/55	57/57	58/59
Sound Power Level	Indoor (Cooling/Heating)	High	53/53	57/57	56/56	60/60	59 / 59	59/59	60/60	63/63
	Outdoor (Cooling/Heating)	High	62/62	63/63	65/66	68/69	70 / 70	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
	Outdoor	mm	632x799x290	632x799x290	716x820x315	788x940x320	788x940x320	998x940x320	788x940x320	998x940x320
Weight	Indoor	kg(lbs)	24(53)	24(53)	31(68)	31(68)	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)
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
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
Power Supply To			Outdoor						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	30(20)	30(20)	30(20)	50(30)	50 (30)	50 (30)	50(30)	50(30)
Max Height Difference			20	25	25	30	30	30	30	30
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32	R32
	Charge	g	1020	1250	1250	1900	1900	2700	1900	2700
	Additional Charge	g/m	20	20	20	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
	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

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-VKXS
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-VTGXV

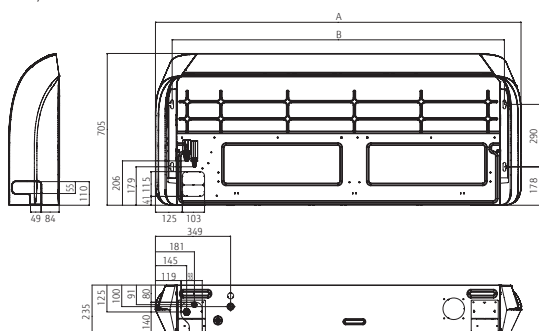
Wireless interface for use with Smart home products: FJ-AC-WIFI-1

(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