



**PRODUCT  
CATALOGUE  
2022**

**FUJITSU GENERAL AIR CONDITIONING (UK) LIMITED**



## Light Commercial & Residential SPLIT SYSTEMS

- S-001 Features Explanation
- S-002 Indoor Units Lineup
- S-038 Economy Series Lineup - Specifications
- S-042 Wall Mounted - Feature Summary
- S-044 Cassette, Duct, Floor & Ceiling - Feature Summary



### Refrigerant R32 models

#### Wall-mounted type

- S-004 Economy Series
  - KPCE - Compact & Comfort
  - KLCA - Comfort for Large Rooms
- S-008 Standard Series
  - KMCF - High-Efficiency
  - KMTE - High-Efficiency for Large Rooms
  - KMTB - High-Efficiency for Large Rooms
- S-014 Designer Series
  - KETE(B) - Cool Beauty Design
  - KGTE - High Spec & Design

#### Cassette

- S-018 KVLA - Compact 4-way Flow Series - Compact Size
- S-020 KRLB - Circular Flow Series - Comfort for Large Rooms

#### Duct

- S-022 KLLAP - Slim Duct - Slim Design
- S-024 KHTAP - Medium Static Pressure Duct - Compact & Comfort
- S-026 KMLB - Medium Static Pressure Duct - Standard
- S-028 KHTB - High Static Pressure Duct

#### Floor, Ceiling

- S-034 KVCA - Floor - Compact & Comfort
- S-036 KRTA - Ceiling



### Refrigerant R410A models

#### Duct

- S-030 LHTA - High Static Pressure Duct
- S-032 LHTA - Big Duct



# Feature Explanation

## Energy-Saving Features



### Dual-fan

Hybrid Airflow, which combines air currents of different temperatures and velocities, creates a comfortable space.



### Economy mode

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



### Save Human sensor

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



### Setting temperature range limitation

Sets the minimum and maximum limits on room temperature to establish the right balance between energy saving and a comfortable environment.



### Human sensor for saving/stop modes

The 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.

## Features for Comfort



### Powerful heating

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



### 10°C Heat

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



### UP/DOWN swing louver

The vertical louver automatically swings 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 the power supply is restored.



### Connectable distributing duct

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



### Power diffuser

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



### Low noise mode

The noise level of the outdoor unit can be selected.



### Double swing automatic

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



### Connectable fresh air duct

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



### Individual airflow direction control

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



### Powerful mode

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



### Auto changeover

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



### Automatic fan speed

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



### Fresh air intake

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

## Convenience Features



### 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



### Multi System Control

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



### Sleep timer

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



### Weekly & Temperature setback timer

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



### External ON/OFF input



### Special Cooling

Special Cooling<sup>1</sup> is a function that supports the operation of "Multi System Control".



### 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 blinking.



### Wireless LAN control

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

## Clean Features



### Plasma air clean

The electrostatic precipitator removes dust particles such as pollen and house dust. It is washable and thus can always be kept clean.



### Apple-catechin filter

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



### Silver Ion Filter

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



### Filter auto clean

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



### Long-life filter



### Ion deodorization filter

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



### Washable panel

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

## Installation / Support



### Automatic airflow adjustment

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



### Drain pump as standard



### Blue fin




















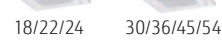



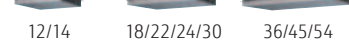












### Refrigerant cycle monitor

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



ALL DC models

# Indoor Units Lineup

Type	Series	Refrigerant	Model	Class		
				7	9	12
Wall-mounted type	Economy Series Compact Size				ASYG09KPCE	ASYG12KPCE
	Economy Series Comfort for Large Rooms					
	Standard Series High-Efficiency & Comfort		 <span style="color: red; font-weight: bold;">NEW</span>	ASYG07KMCF	ASYG09KMCF	ASYG12KMCF
	Standard Series High-Efficiency & Large Rooms					
	Standard Series High-Efficiency & Large Rooms					
	Designer Series Cool Beauty Design			ASYG07KETE ASYG07KETEB	ASYG09KETE ASYG09KETEB	ASYG12KETE ASYG12KETEB
	Designer Series High Spec & Design			ASYG07KGTE	ASYG09KGTE	ASYG12KGTE
Cassette	Compact 4-way Flow Series Compact Size				AUXG09KVLA	AUXG12KVLA
	Circular Flow Series Comfort for Large Rooms		 18/22/24 30/36/45/54			
Duct	Slim Duct		 09/12/14 18		ARXG09KLLAP	ARXG12KLLAP
	Medium Static Pressure Duct Compact Size		 12/14 18/22/24/30 36/45/54			ARXG12KHTAP
	Medium Static Pressure Duct Standard					
	High Static Pressure Duct					
						
Big Duct						
Floor Compact & Comfort				AGYG09KVCA	AGYG12KVCA	
Ceiling		 18/22 24/30 36/45/54				





FUJITSU GENERAL (Euro) GmbH participates in the ECP program for VRF. Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)  
\*Models so marked are not ECC certified.

Class										
14	18	22	24	30	36	45	54	60	72	90
	ASYG18KLCA*		ASYG24KLCA*							
ASYG14KMCF										
	ASYG18KMTE		ASYG24KMTE							
				ASYH30KMTB	ASYH36KMTB					
ASYG14KETE ASYG14KETEB										
ASYG14KGTE										
AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA							
	AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB			
ARXG14KLLAP	ARXG18KLLAP									
ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP			
		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA				
						ARXG45KHTB	ARXG54KHTB			
								ARYG60LHTA		
									ARYG72LHTA*	ARYG90LHTA*
AGYG14KVCA										
	ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA			

# Wall-Mounted Type

## Economy Series

### Compact Size



### Slim & stylish square design

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



### High energy saving

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



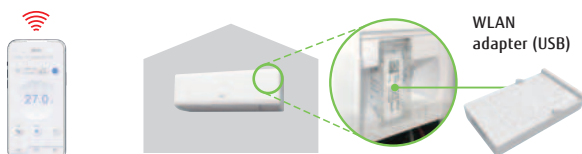
### Comfortable airflow & Quiet operation

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



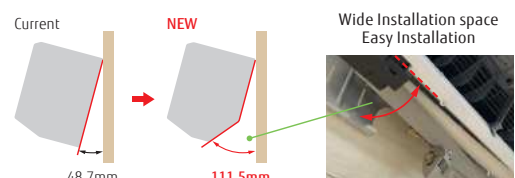
### Smart device control (Option)

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



### Easy access to the flare pipe connection

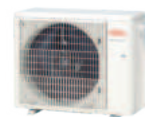
Installation when left outlet piping is easier by removable under cover of the indoor unit chassis. Installation when center outlet piping is easier by design change of wall hook bracket.



Model: ASYG09KPCE / ASYG12KPCE



Wireless RC



### Specifications

Model name	Indoor unit		ASYG09KPCE		ASYG12KPCE	
	Outdoor unit		AOYG09KPCA		AOYG12KPCA	
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A			
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 Capacity	Cooling (Total / Sensible)	kW	2.42 / 1.59		3.29 / 2.14	
	Heating		3.17		3.84	
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+	
Max. Operating Current	Cooling / Heating	A	6.5 / 9.0		6.5 / 9.0	
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	45 / 38 / 31 / 22		46 / 40 / 33 / 22	
	Indoor (Heating)	H/M/L/Q	45 / 40 / 36 / 26		46 / 40 / 35 / 27	
Sound Power Level	Outdoor (Cooling/Heating)	High	47 / 47		49 / 51	
	Indoor (Cooling / Heating)	High	58 / 58		59 / 59	
	Outdoor (Cooling/Heating)	High	59 / 59		62 / 62	
	Indoor / Outdoor (Cooling)	High	580 / 1,650		630 / 1,700	
Airflow Rate	Indoor / Outdoor (Heating)	High	580 / 1,450		630 / 1,470	
Net Dimensions H x W x D	Indoor	mm	270 × 784 × 224		270 × 784 × 224	
	Outdoor	mm	541 × 663 × 290		541 × 663 × 290	
Weight	Indoor	kg (lbs)	8 (18)		8 (18)	
	Outdoor	kg (lbs)	23 (51)		25 (55)	
Connection Pipe Diameter (Liquid / Gas)			6.35 (1/4") / 9.52 (3/8")		6.35 (1/4") / 9.52 (3/8")	
Drain Hose Diameter (I.D. / O.D.)			11.8 / 15.0 to 16.8		11.8 / 15.0 to 16.8	
Max. Pipe Length (Pre-Charge)			20 (15)		20 (15)	
Max. Height Difference			15		15	
Operating Range	Cooling	°CDB	-10 to 46		-10 to 46	
	Heating		-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)		R32 (675)		R32 (675)	
	Charge	kg (CO2eq-T)	0.55 (0.371)		0.59 (0.398)	

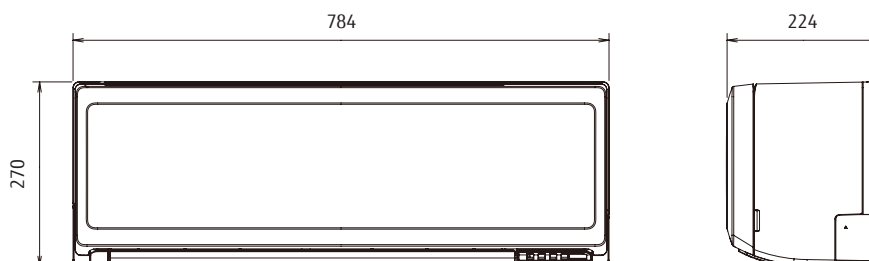
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

WLAN adapter: UTYTFSXF2 / UTYTFSXH3  
 Silver Ion Filter: UTRFA165

### Dimensions

(Unit: mm)



# Wall-Mounted Type

## Economy Series

Comfort for Large Rooms



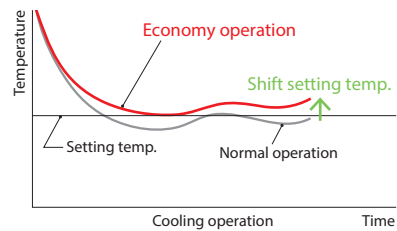
### Narrow width & Compact Design

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



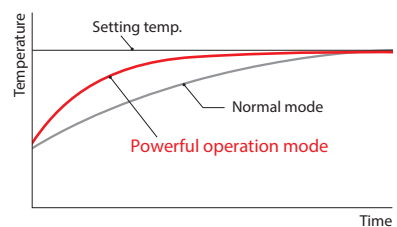
### Economy operation

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



### Powerful operation

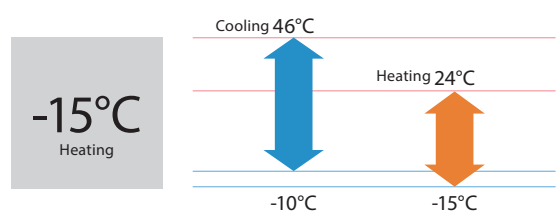
In powerful operation mode, the compressor operates at maximum speed for 20 minutes to provide a powerful airflow. Rapid cooling and heating makes the room comfortable quickly.



### ON-OFF Programmable timer

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

### Low ambient operation



Model: ASYG18KLCA / ASYG24KLCA



Wireless RC



For ASYG18KLCA



For ASYG24KLCA

**Specifications**

Model name	Indoor unit		ASYG18KLCA	ASYG24KLCA	
	Outdoor unit		AOYG18KLCA	AOYG24KLCA	
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 16A	Single phase, ~230 V, 50 Hz / 20A	
Capacity	Cooling	kW	5.2 (0.9-5.5)	7.1 (0.9-7.7)	
	Heating		6.3 (0.6-7.6)	8.0 (0.9-9.0)	
UK Capacity	Cooling (Total / Sensible)	kW	4.95 / 3.96	6.80 / 4.63	
	Heating		6.32	8.72	
Input Power	Cooling / Heating	kW	1.685 / 1.80	2.42 / 2.225	
EER	Cooling	W/W	3.09	2.93	
COP	Heating		3.50	3.60	
Pdesign	Cooling / Heating (-10°C)	kW	5.20 / 4.80	7.10 / 7.10	
SEER	Cooling	W/W	7.20	7.10	
SCOP	Heating (Average)		4.30	4.00	
Energy Efficiency Class	Cooling		A++	A++	
	Heating (Average)		A+	A+	
Max. Operating Current	Cooling / Heating	A	9.5 / 13.5	13.5 / 17.5	
Annual Energy Consumption	Cooling	kWh/a	253	350	
	Heating		1563	2485	
Moisture Removal		l/h	1.9	3.1	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	47 / 44 / 40 / 35	
	Indoor (Heating)	H/M/L/Q			51 / 45 / 38 / 33
	Outdoor (Cooling/Heating)	High			52 / 45 / 41 / 37
Sound Power Level	Indoor (Cooling / Heating)	High	dB(A)	50 / 56	
	Outdoor (Cooling/Heating)	High			60 / 65
	Indoor / Outdoor (Cooling)	High			64 / 65
Airflow Rate	Indoor / Outdoor (Cooling)	High	m <sup>3</sup> /h	865 / 1,830	
	Indoor / Outdoor (Heating)	High			1,040 / 2,885
Net Dimensions H x W x D	Indoor	mm	293 x 790 x 249	293 x 790 x 249	
	Outdoor	mm			632 x 799 x 290
Weight	Indoor	kg (lbs)	9.5 (21)	10.0 (22)	
	Outdoor	kg (lbs)			33 (73)
Connection Pipe Diameter (Liquid / Gas)			6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 12.70 (1/2")	
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)			25 (15)	30 (15)	
Max. Height Difference			20	25	
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	
	Heating				-15 to 24
Refrigerant	Type (Global Warming Potential)	kg (CO2eq-T)	R32 (675)	R32 (675)	
	Charge				0.85 (0.574)

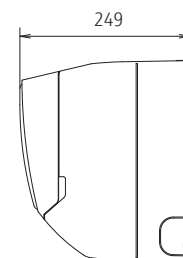
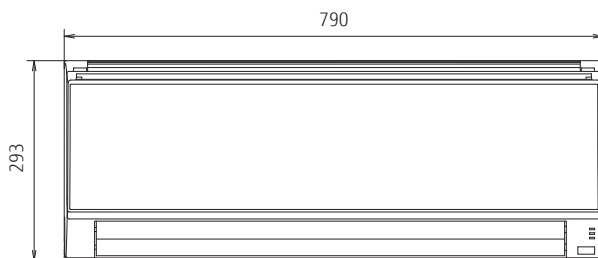
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Silver Ion Filter: UTRFA165

**Dimensions**

(Unit: mm)



NEW

# Wall-Mounted Type

## Standard Series

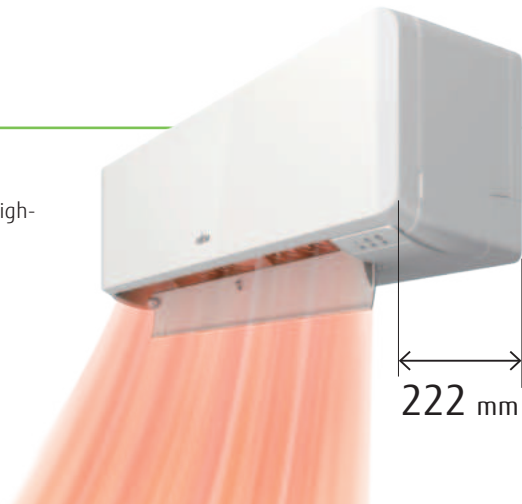
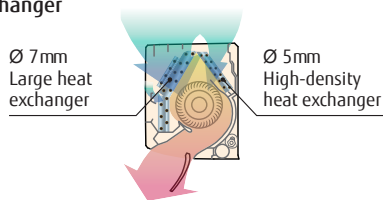
High-Efficiency & Comfort



### Slim & stylish square design

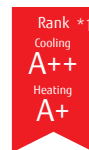
The slim and stylish square design of this indoor unit is realized by using a high-density, multipath heat exchanger and a high-efficiency wind blower.

#### Hybrid-heat exchanger



### High energy saving

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



SEER <sup>\*1</sup>  
**7.4**  
\*1: 07/09 models

SCOP <sup>\*2</sup>  
**4.4**  
\*2: 12 model

### Comfortable airflow & Quiet operation

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

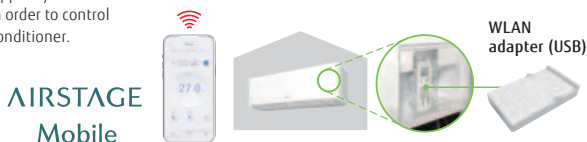


**20 dB(A)**  
Cooling only

### Smart device control

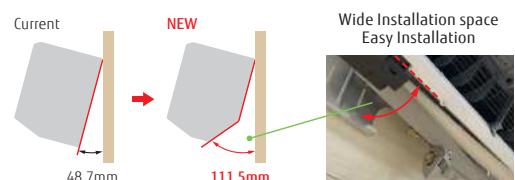
With the WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

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



### Easy access to the flare pipe connection

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





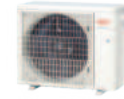


Model: ASYG07KMCF / ASYG09KMCF / ASYG12KMCF / ASYG14KMCF

Now with built in Wi-Fi



Wireless RC



For ASYG07/09/12KMCF



For ASYG14KMCF

Specifications

Model name	Indoor unit		ASYG07KMCF	ASYG09KMCF	ASYG12KMCF	ASYG14KMCF				
	Outdoor unit		AOYG07KMCC	AOYG09KMCC	AOYG12KMCC	AOYG14KMCC				
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A							
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 Capacity	Cooling (Total / Sensible)	kW	1.97 / 1.17	2.46 / 1.56	3.33 / 2.15	3.95 / 3.21				
	Heating		2.89	3.40	4.51	5.11				
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++				
	Heating (Average)	A+		A+		A+				
Max. Operating Current	Cooling / Heating	A	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0				
Annual Energy Consumption	Cooling	kWh/a	95	118	163	213				
	Heating		785	819	795	1367				
Moisture Removal		l/h	1.0	1.3	1.8	2.1				
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38 / 33 / 29 / 20		40 / 34 / 29 / 20		40 / 35 / 30 / 20		43 / 36 / 30 / 20	
	Indoor (Heating)	H/M/L/Q	41 / 35 / 31 / 22		42 / 36 / 31 / 22		42 / 38 / 33 / 22		44 / 39 / 33 / 24	
	Outdoor (Cooling/Heating)	High	46 / 46		46 / 46		50 / 50		50 / 50	
Sound Power Level	Indoor (Cooling / Heating)	High	54 / 56		55 / 57		55 / 58		57 / 59	
	Outdoor (Cooling/Heating)	High	61 / 61		61 / 62		65 / 65		65 / 66	
Airflow Rate	Indoor / Outdoor (Cooling)	High	650 / 1,650		700 / 1,650		700 / 1,700		770 / 1,680	
	Indoor / Outdoor (Heating)	High	720 / 1,450		750 / 1,450		780 / 1,470		820 / 1,580	
Net Dimensions H x W x D	Indoor	mm	270 × 834 × 222		270 × 834 × 222		270 × 834 × 222		270 × 834 × 222	
	Outdoor	mm	541 × 663 × 290		541 × 663 × 290		541 × 663 × 290		542 × 799 × 290	
Weight	Indoor	kg (lbs)	10 (22)		10 (22)		10 (22)		10 (22)	
	Outdoor	kg (lbs)	22 (49)		22 (49)		24 (53)		31 (68)	
Connection Pipe Diameter (Liquid / Gas)			6.35 (1/4") / 9.52 (3/8")		6.35 (1/4") / 9.52 (3/8")		6.35 (1/4") / 9.52 (3/8")		6.35 (1/4") / 9.52 (3/8")	
Drain Hose Diameter (I.D. / O.D.)			11.8 / 15.0 to 16.8		11.8 / 15.0 to 16.8		11.8 / 15.0 to 16.8		11.8 / 15.0 to 16.8	
Max. Pipe Length (Pre-Charge)			20 (15)		20 (15)		20 (15)		20 (15)	
Max. Height Difference			15		15		15		15	
Operating Range	Cooling	°CDB	-10 to 46		-10 to 46		-10 to 46		-10 to 46	
	Heating		-15 to 24		-15 to 24		-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)		R32 (675)		R32 (675)		R32 (675)		R32 (675)	
	Charge	kg (CO2eq-T)	0.6 (0.405)		0.6 (0.405)		0.7 (0.473)		0.85 (0.574)	

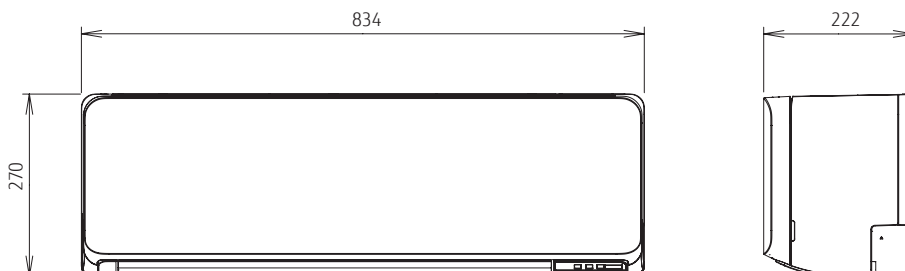
Optional parts

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	Communication kit:	UTYTWRXZ2	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRYZ5	External input and output PCB:	UTYXCSXZ2	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY	External connect kit:	UTYXWZXZ5	Silver Ion filter:	UTRFA165
Simple remote controller (without operation mode):	UTYRHRY	External switch controller:	UTYTERX		
Simple remote controller:	UTYRSRY				

Dimensions

(Unit: mm)



# Wall-Mounted Type

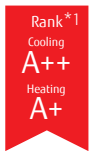
Standard Series

High-Efficiency & Large Rooms



## High energy saving

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



SEER **7.7**<sup>\*1</sup>

\*18 model

SCOP **4.6**<sup>\*1</sup>

\*18, 24 models

### Hybrid-heat exchanger

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

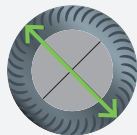


Ø 5mm High-density heat exchanger

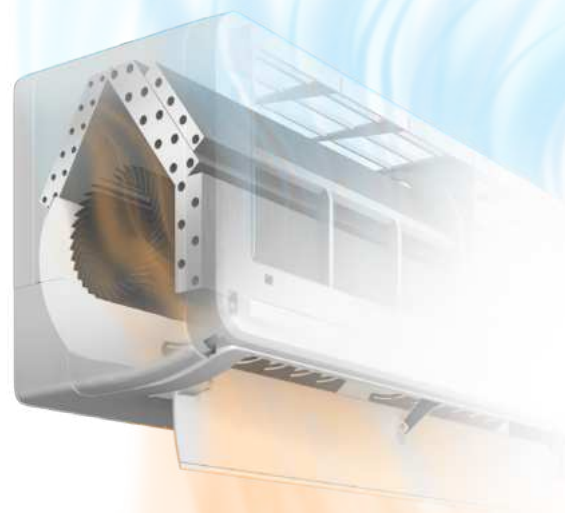
Ø 7mm Large heat exchanger

### Ø107 Large cross-flow fan

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



Ø107

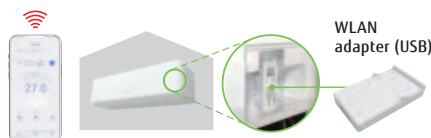


## Smart device control (Option)

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

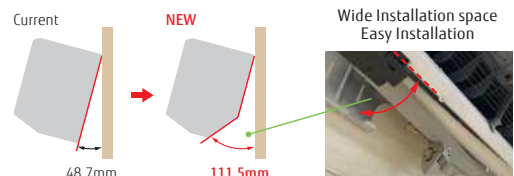
You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.

AIRSTAGE Mobile



## Easy access to the flare pipe connection

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





Model: ASYG18KMTE / ASYG24KMTE



Wireless RC



For ASYG18KMTE



For ASYG24KMTE

Specifications

Model name	Indoor unit		ASYG18KMTE	ASYG24KMTE
	Outdoor unit		AOYG18KMTA	AOYG24KMTA
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz 16A	Single phase, ~230 V, 50 Hz 20A
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 Capacity	Cooling (Total / Sensible)	kW	4.91 / 3.76	6.70 / 4.93
	Heating		8.01	9.58
Input Power	Cooling / Heating	kW	1.39 / 1.56	2.08 / 1.91
EER	Cooling	W/W	3.74	3.41
	Heating		4.04	4.19
Pdesign	Cooling / Heating (-10°C)	kW	5.2 / 4.8	7.1 / 7.1
SEER	Cooling	W/W	7.77	7.30
SCOP	Heating (Average)		4.60	4.20
Energy Efficiency Class	Cooling	A++		
	Heating (Average)	A+		
Max. Operating Current	Cooling / Heating	A	9.5 / 13.5	13.5 / 16.0
Annual Energy Consumption	Cooling	kWh/a	234	341
	Heating		1,472	2,372
Moisture Removal			1.7	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	45 / 40 / 35 / 29	49 / 40 / 35 / 29
	Indoor (Heating)	H/M/L/Q	46 / 40 / 35 / 29	49 / 40 / 35 / 29
Sound Power Level	Outdoor (Cooling/Heating)	High	50 / 50	54 / 52
	Indoor (Cooling / Heating)	High	60 / 61	65 / 65
	Outdoor (Cooling/Heating)	High	65 / 65	67 / 66
	Indoor / Outdoor (Cooling)	High	980 / 2,350	1,170 / 3,240
Airflow Rate	Indoor / Outdoor (Heating)	High	1,020 / 2,100	1,170 / 2,820
	Indoor	mm	280 × 980 × 240	280 × 980 × 240
Net Dimensions H x W x D	Outdoor	mm	632 × 799 × 290	716 × 820 × 315
	Indoor	kg (lbs)	12.5 (28)	12.5 (28)
Weight	Outdoor	kg (lbs)	36 (79)	42 (93)
	Connection Pipe Diameter (Liquid / Gas)		6.35 (1/4") / 12.70 (1/2")	6.35 (1/4") / 12.70 (1/2")
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)			25 (15)	30 (15)
Max. Height Difference			20	25
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	R32 (675)		
	Charge	kg (CO2eq-T)	1.02 (0.689)	1.32 (0.891)

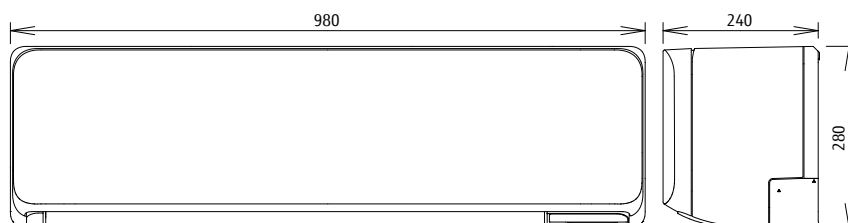
Optional parts

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	Communication kit:	UTYTWRXZ2	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRZY5	External input and output PCB:	UTYXCSXZ2	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY	WLAN adapter:	UTYTF SXF2	Silver Ion filter:	UTRFA165
Simple remote controller (without operation mode):	UTYRHRY		UTYTF SXH3	External switch controller:	UTYTERX
Simple remote controller:	UTYRSRY		FGACWIF1Z1	External connect kit:	UTYXWZXZ5

Dimensions

(Unit: mm)



# Wall-Mounted Type

## Standard Series

High-Efficiency & Large Rooms



### NEW Multi-system control (option)

\*Wired remote controller (UTY-RNRYZ5) is required.  
\*It is ideal for server room/technical room applications.

#### 1) Lead Lag Operation

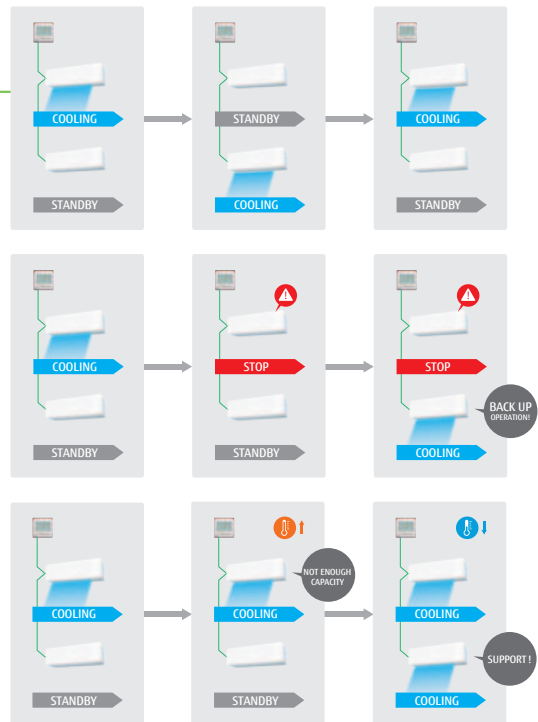
It is an easy-to-use function for room temperature control when using multiple indoor units, while reducing the burden placed on each indoor unit. Standby Indoor Unit can be selected in lead-lag operation. By this, the Indoor units will last longer than operating by nonstop.

#### 2) Back up Operation

In case of unexpected Indoor unit error, other Indoor units will start providing back up operation.

#### 3) Lag Operation

In case of unexpected room temperature rise, other Indoor Units will start providing lag operation.



### Occupancy sensor

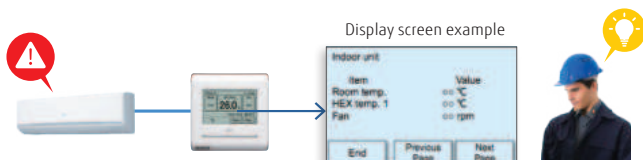
The Occupancy sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



### NEW Refrigerant cycle monitor (option)

Wired Remote Controller (Touch Panel) will support to display some sensor values for maintenance and service support.

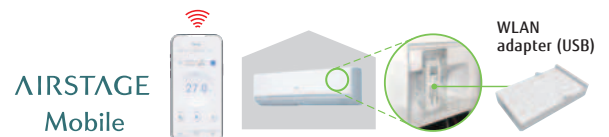
\*Wired remote controller (UTY-RNRYZ5) is required.



### Smart device control

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

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



Model: ASYH30KMTB / ASYH36KMTB



Wireless RC



**Specifications**

Model name	Indoor unit		ASYH30KMTB		ASYH36KMTB		
	Outdoor unit		AOYH30KMTB		AOYH36KMTB		
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz 25A				
Capacity	Cooling		kW	8.0 (2.9 - 9.0)		9.4 (2.9 - 10.0)	
	Heating			8.8 (2.2 - 11.8)		10.1 (2.7 - 12.6)	
UK Capacity	Cooling (Total / Sensible)		kW	7.48 / 5.79		8.72 / 6.30	
	Heating			10.80		11.58	
Input Power	Cooling / Heating		kW	2.30 / 2.20		3.16 / 2.73	
EER	Cooling		W/W	3.43		2.97	
COP	Heating			4.00		3.70	
Pdesign	Cooling / Heating (Average)		kW	8.00 / 6.50		9.40 / 7.10	
SEER	Cooling		W/W	6.68		6.10	
SCOP	Heating (Average)			4.50		4.50	
Energy Efficiency Class	Cooling		A++		A++		
	Heating (Average)		A+		A+		
Max. Operating Current	Cooling / Heating		A	21.0 / 21.0		21.5 / 21.5	
Annual Energy Consumption	Cooling		kWh/a	419		534	
	Heating (Average)			1,994		2,189	
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		53 / 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		1,330 / 3,750		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	340 × 1,150 × 280		340 × 1,150 × 280	
	Outdoor		mm	788 × 940 × 320		788 × 940 × 320	
Weight	Indoor		kg	18.5		18.5	
	Outdoor		kg	52		52	
Connection Pipe Diameter (Liquid / Gas)			mm	9.52 (3/8") / 15.88 (5/8")		9.52 (3/8") / 15.88 (5/8")	
Drain Hose Diameter (I.D. / O.D.)				13.8 / 15.8 to 16.7		13.8 / 15.8 to 16.7	
Max. Pipe Length (Pre-Charge)			m	50 (30)		50 (30)	
Max. Height Difference				30		30	
Operating Range	Cooling		°CDB	-15 to 46		-15 to 46	
	Heating			-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)			R32 (675)		R32 (675)	
	Charge		kg (CO2eq-T)	1.90 (1.283)		1.90 (1.283)	

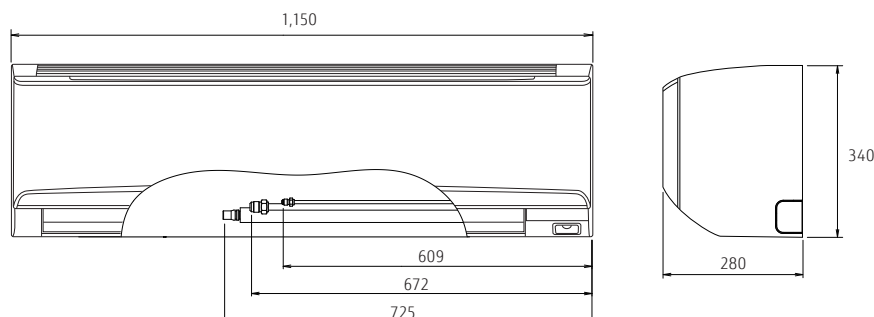
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	External connect kit:	UTYXWZXZ5	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRYZ5	External Input and Output PCB:	UTYXCSXZ2	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY	WLAN adapter:	UTYTFSXF2	Silver Ion Filter:	UTRFA133
Simple remote controller (without operation mode):	UTYRHRY		UTYTFSXH3	External switch controller:	UTYTERX
Simple remote controller:	UTYRSRY		FG-C-WIF1Z1	Communication kit:	UTYTWXZ2

**Dimensions**

(Unit: mm)





# Wall-Mounted Type

## Designer Series

Cool Beauty Design



### Cool Beauty Design

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



**CMF: COLOR MATERIAL FINISH**

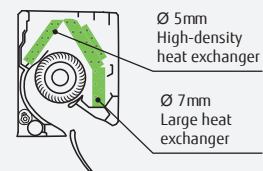
The texture of the front panel expresses the craftsmanship of Europe, and changes its expression with the changing light of the day.

### High energy saving

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



**Hybrid-heat exchanger**



**Ø107 Large cross-flow fan**



### Comfortable airflow & Quiet operation

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

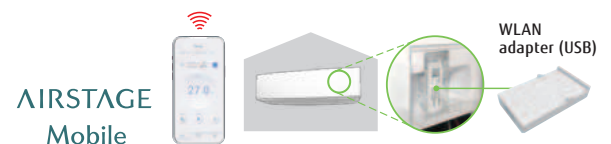


20 dB(A)  
Cooling only

### Smart device control

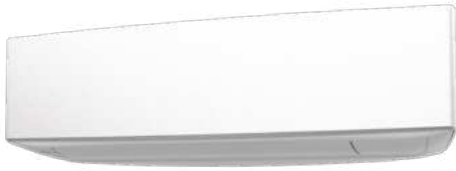
With the WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

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





**Model: ASYG07KETE / ASYG09KETE / ASYG12KETE / ASYG14KETE  
ASYG07KETEB / ASYG09KETEB / ASYG12KETEB / ASYG14KETEB**



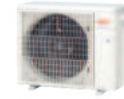
Peel white X White



Silver X Dark gray



Wireless RC



For ASYG07/09/12KETE  
ASYG07/09/12KETEB



For ASYG14KETE  
ASYG14KETEB

### Specifications

Model name	Indoor unit		ASYG07KETE ASYG07KETEB	ASYG09KETE ASYG09KETEB	ASYG12KETE ASYG12KETEB	ASYG14KETE ASYG14KETEB
	Outdoor unit		AOYG07KETA	AOYG09KETA	AOYG12KETA	AOYG14KETA
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A			
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 Capacity	Cooling (Total / Sensible)	kW	1.97 / 1.17	2.46 / 1.56	3.33 / 2.15	3.95 / 3.21
	Heating		2.89	3.40	4.51	5.11
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	9.20	9.20	9.20	8.40
SCOP	Heating (Average)		5.20	5.20	5.10	4.50
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling / Heating	A	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0
Annual Energy Consumption	Cooling	kWh/a	95	118	163	213
	Heating		785	819	795	1,367
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38 / 33 / 29 / 20	40 / 34 / 29 / 20	40 / 35 / 30 / 20	43 / 36 / 30 / 20
	Indoor (Heating)	H/M/L/Q	41 / 35 / 31 / 22	42 / 36 / 31 / 22	42 / 38 / 33 / 22	44 / 39 / 33 / 24
	Outdoor (Cooling/Heating)	High	46 / 46	46 / 46	50 / 50	50 / 50
Sound Power Level	Indoor (Cooling / Heating)	High	54 / 56	55 / 57	55 / 58	57 / 59
	Outdoor (Cooling/Heating)	High	61 / 61	61 / 62	65 / 65	65 / 66
Airflow Rate	Indoor / Outdoor (Cooling)	High	650 / 1,650	700 / 1,650	700 / 1,700	770 / 1,680
	Indoor / Outdoor (Heating)	High	720 / 1,450	750 / 1,450	770 / 1,470	800 / 1,580
Net Dimensions H x W x D	Indoor	mm	295 × 950 (wall side: 840) × 230			
	Outdoor	mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
Weight	Indoor	kg (lbs)	11 (24)	11 (24)	11 (24)	11.5 (25)
	Outdoor	kg (lbs)	23 (51)	23 (51)	25 (55)	31 (68)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")
Drain Hose Diameter (I.D. / O.D.)		mm	13.8 / 15.0 to 16.8	13.8 / 15.0 to 16.8	13.8 / 15.0 to 16.8	13.8 / 15.0 to 16.8
Max. Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference		m	15	15	15	15
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

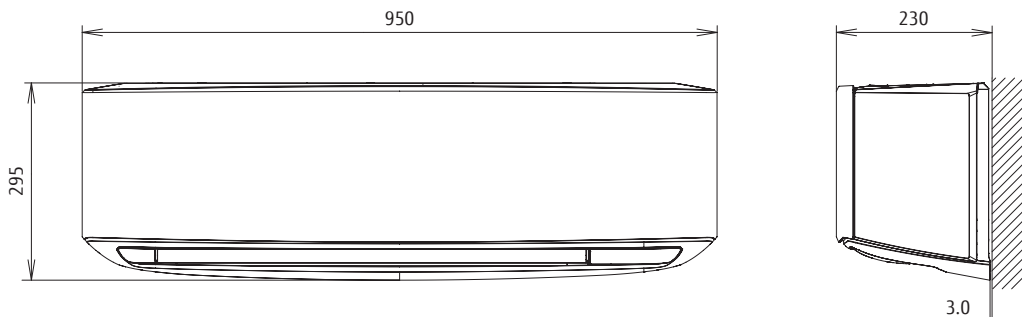
### Optional parts

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	Communication kit:	UTYTWRXZ2	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRYZ5	External input and output PCB:	UTYXCSXZ2	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY	External connect kit:	UTYXWZXZ5	Silver Ion filter:	UTRFA165
Simple remote controller (without operation mode):	UTYRHRY	External switch controller:	UTYTERX		
Simple remote controller:	UTYRSRY	WLAN adapter:	UTYTFXSH3		

### Dimensions

(Unit: mm)



# Wall-Mounted Type Designer Series

High Spec & Design



## High energy saving

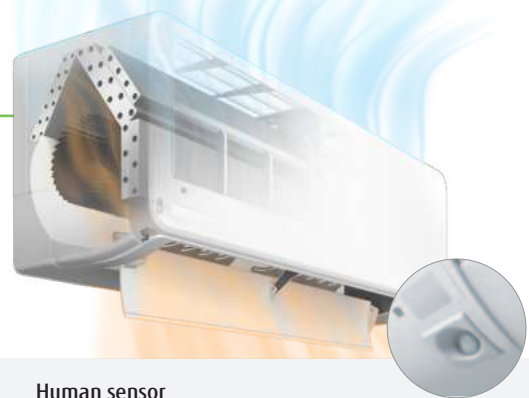
Top class high efficiency is achieved by high efficient lamda heat exchanger, large cross flow fan and new refrigerant.

**\*1\*2 Rank A+++**

**SEER 9.2** \*1

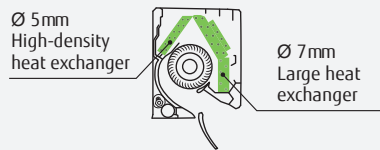
**SCOP 5.2** \*2

\*1: 07, 09, 12 models    \*2: 07, 09 models



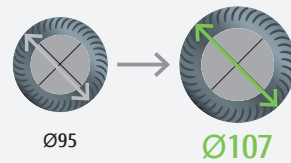
### Hybrid-heat exchanger

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



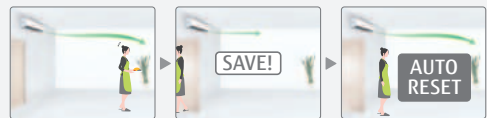
### Ø107 Large cross-flow fan

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



### Human sensor

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



## Comfortable airflow & Quiet operation

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

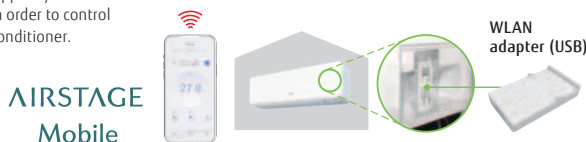


**19 dB(A)**  
(07/09/12 models)  
Cooling only

## Smart device control

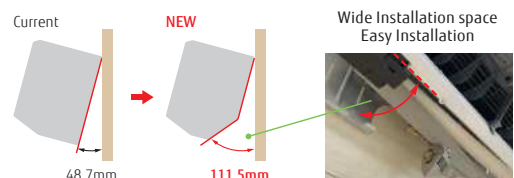
With the WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

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



## Easy access to the flare pipe connection

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





Model: ASYG07KGTE / ASYG09KGTE / ASYG12KGTE / ASYG14KGTE



Wireless RC



Specifications

Model name	Indoor unit		ASYG07KGTE	ASYG09KGTE	ASYG12KGTE	ASYG14KGTE
	Outdoor unit		AOYG07KGCA	AOYG09KGCA	AOYG12KGCA	AOYG14KGCA
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A			
Capacity	Cooling	kW	2.0 (0.9-3.2)	2.5 (0.9-3.4)	3.4 (0.9-4.1)	4.2 (0.9-4.5)
	Heating		2.5 (0.9-5.2)	2.8 (0.9-5.4)	4.0 (0.9-6.1)	5.4 (0.9-6.4)
UK Capacity	Cooling (Total / Sensible)	kW	2.28 / 2.11	2.74 / 2.51	3.31 / 2.70	4.08 / 3.28
	Heating		4.43	4.61	5.04	5.29
Input Power	Cooling / Heating	kW	0.400 / 0.500	0.555 / 0.560	0.805 / 0.910	1.175 / 1.350
EER	Cooling	W/W	5.00	4.50	4.22	3.57
COP	Heating		5.00	5.00	4.40	4.00
Pdesign	Cooling / Heating (-10°C)	kW	2.0 / 2.3	2.5 / 2.4	3.4 / 2.5	4.2 / 4.0
SEER	Cooling	W/W	9.20	9.20	9.20	8.40
SCOP	Heating (Average)		5.20	5.20	5.10	4.50
Energy Efficiency Class	Cooling	A+++		A+++	A+++	A++
	Heating (Average)	A+++		A+++	A+++	A+
Max. Operating Current	Cooling / Heating	A	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0	9.0 / 10.5
Annual Energy Consumption	Cooling	kWh/a	82	103	140	207
	Heating		628	658	685	1,298
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38 / 33 / 29 / 19	40 / 34 / 29 / 19	40 / 35 / 30 / 19	43 / 36 / 30 / 20
	Indoor (Heating)	H/M/L/Q	41 / 35 / 31 / 21	42 / 36 / 31 / 21	42 / 38 / 33 / 21	44 / 39 / 33 / 24
Sound Power Level	Outdoor (Cooling/Heating)	High	46 / 46	46 / 48	50 / 50	50 / 50
	Indoor (Cooling / Heating)	High	54 / 56	55 / 57	56 / 58	57 / 59
Airflow Rate	Indoor / Outdoor (Cooling)	High	650 / 1,610	700 / 1,610	700 / 1,680	770 / 1,680
	Indoor / Outdoor (Heating)	High	720 / 1,560	750 / 1,610	770 / 1,580	800 / 1,580
Net Dimensions H x W x D	Indoor	mm	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215
	Outdoor	mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor	kg (lbs)	10 (22)	10 (22)	10 (22)	10 (22)
	Outdoor	kg (lbs)	30 (66)	30 (66)	31 (68)	32 (71)
Connection Pipe Diameter (Liquid / Gas)			6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")
Drain Hose Diameter (I.D. / O.D.)			11.8 / 15.0 to 16.8	11.8 / 15.0 to 16.8	11.8 / 15.0 to 16.8	11.8 / 15.0 to 16.8
Max. Pipe Length (Pre-Charge)			20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference			15	15	15	15
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	R32 (675)		R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.75 (0.506)	0.75 (0.506)	0.85 (0.574)	0.85 (0.574)

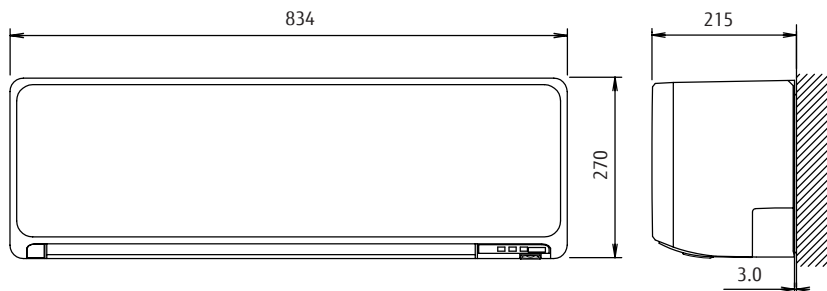
Optional parts

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	External switch controller:	UTYTERX	Network Converter for single split (DC power supply type):	UTYVGTGX
Wired remote controller (touch panel):	UTYRNRYZ5	WLAN adapter:	UTYTFXHX3	Network Converter for single split (AC power supply type):	UTYVGTGXV
Wired remote controller:	UTYRLRY	Communication kit:	UTYTWXZ2	Silver Ion filter:	UTRFA165
Simple remote controller (without operation mode):	UTYRHRY	External input and output PCB:	UTYXCXZ2		
Simple remote controller:	UTYRSRY	External connect kit:	UTYXWZX		

Dimensions

(Unit: mm)



# Compact Cassette

## Compact 4-Way Flow Series

Compact Size



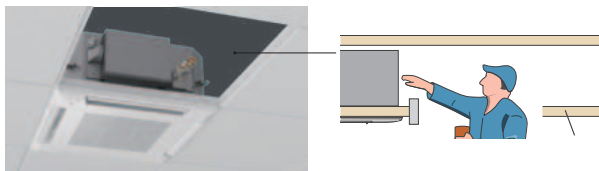
### Compact and stylish panel design

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

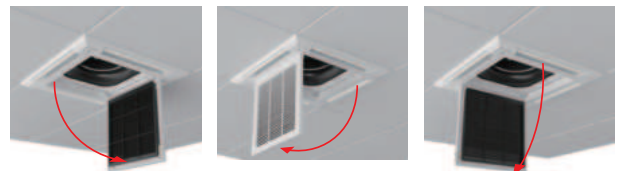


### Easy maintenance

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



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



### Flexible installation

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



### Link up with a variety of Central Control System (Option)

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



Central Control System

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



For AUXG9/12/14KVLA

For AUXG18/22KVLA

For AUXG24KVLA

**Specifications** - The specifications shown below are with the standard outdoor units, also available with economy outdoors, see page S-038 for details

Model name	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A			Single phase, ~230 V, 50 Hz / 16A		
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 Capacity	Cooling (Total / Sensible)	kW	2.37 / 1.92	3.39 / 2.60	4.12 / 3.13	5.01 / 3.56	5.85 / 4.03	6.63 / 4.74
	Heating		4.21	5.06	5.80	6.64	6.91	7.86
Input Power	Cooling / Heating	kW	0.55 / 0.79	0.93 / 1.08	1.28 / 1.32	1.60 / 1.66	1.82 / 1.87	2.21 / 2.03
EER	Cooling	W/W	4.57	3.76	3.36	3.25	3.30	3.08
COP	Heating		4.05	3.80	3.79	3.61	3.74	3.69
Pdesign	Cooling / Heating (-10°C)	kW	2.5 / 2.6	3.5 / 3.4	4.3 / 3.8	5.2 / 4.4	6.0 / 4.8	6.8 / 6.0
SEER	Cooling	W/W	6.70	6.60	6.50	6.60	6.60	6.10
SCOP	Heating (Average)		4.40	4.30	4.40	4.20	4.30	4.00
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+	A+	A+
Max. Operating Current	Cooling / Heating	A	7.9 / 7.9	9.7 / 9.7	10.2 / 10.2	12.1 / 12.1	12.6 / 12.6	13.6 / 13.6
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
Sound Power Level	Outdoor (Cooling/Heating)	High	46 / 46	47 / 47	49 / 49	50 / 50	51 / 51	53 / 54
	Indoor (Cooling / Heating)	High	46 / 47	49 / 49	50 / 55	50 / 55	56 / 57	59 / 61
Airflow Rate	Indoor / Outdoor (Cooling)	High	540 / 1,480	600 / 1,580	680 / 1,670	680 / 2,160	830 / 2,240	930 / 2,700
	Indoor / Outdoor (Heating)	High	540 / 1,410	600 / 1,520	800 / 1,580	800 / 1,830	860 / 1,960	930 / 2,700
Net Dimensions H x W x D	Indoor	mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
	Outdoor	mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315
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)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 9.52 (3/8")				6.35 (1/4") / 12.70 (1/2")	
Drain Hose Diameter (I.D. / O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	20 (15)	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)
Max. Height Difference			15	20	20	20	25	25
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)
Cassette Grille	Model name		UTGUFYFW	UTGUFYFW	UTGUFYFW	UTGUFYFW	UTGUFYFW	UTGUFYFW
	Dimensions (H × W × D)	mm	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620
	Weight	kg (lbs)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)

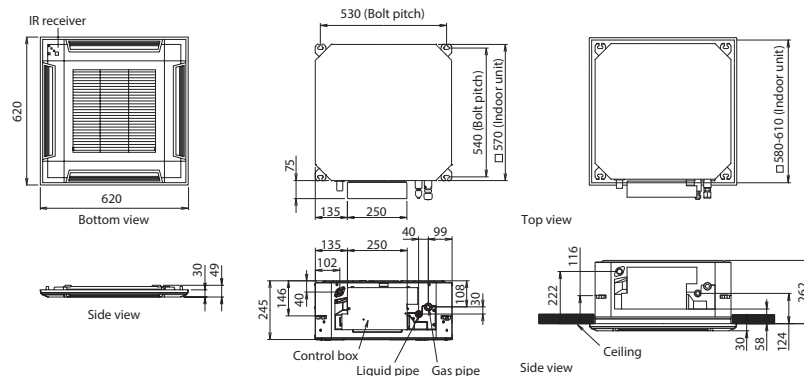
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	External switch controller:	UTYTERX	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRYZ5	WLAN adapter:	UTYF5XZ1	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY		FGRCWIF1Z2	Insulation kit for high humidity:	UTZKXGC
	UTYRNNYM		UTYF5XJ3	External input and output PCB:	UTYXC5X
	UTYRVNYM		FGACWIF1Z1	External input and output PCB box:	UTZGXRA
Simple remote controller (without operation mode):	UTYRHRY	Air Outlet Shutter Plate:	UTRYDZB	Silver Ion Filter:	UTDHFAA
Simple remote controller:	UTYRSRY	External connect kit:	UTYXWZXZG		
	UTYRSNYM	Cassette Grille:	UTGUFYFW		
Wireless remote controller:	UTYLNTY	Fresh air intake kit:	UTZVXAA		

**Dimensions**

(Unit: mm)



Specifications subject to change without notice, images are for illustration purposes only



# Cassette

## Circular Flow Series

Comfort for Large Rooms



UTGUKYAB  
Black Grille



(30/36/  
45/54)

### Unique Circular Flow design

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



Airflows avoid blowing cool air directly at the occupants in the room, providing more comfortable air conditioning.

Provides efficient air conditioning based on the room layout

### Individual louver control

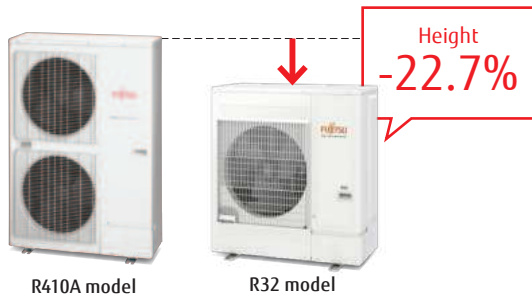
Each louver can be controlled individually with a wired remote controller equipped with a touch panel to provide different directional airflows according to the room layout.

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

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

### Compact and lightweight outdoor unit

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



R410A model

R32 model

### Link up with a variety of Central Control System (Option)

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



Central Control System

### Various Cassette Grilles

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



UTGUKYAW  
White Grille  
Wired remote controller  
(touch panel)



UTGUKYAB  
Black Grille



UTGUKYCW  
White Grille



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



**Specifications** - The specifications shown below are with the standard outdoor units, also available with economy outdoors, see page S-039 for details

Model name	Indoor unit								Outdoor unit												
	Indoor unit								AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB						
		Outdoor unit								AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA		
Power Source / Suggested Fuse Size										Single phase, ~230 V, 50 Hz / 16A			1Ph, ~230 V, 50 Hz / 25A			1Ph, ~230 V, 50 Hz / 32A			3-phase, ~400 V, 50 Hz / 16A		
Capacity	Cooling	kW									5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	9.5 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	
	Heating		6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)									
UK Capacity	Cooling (Total / Sensible)	kW									5.01 / 4.03	5.85 / 4.30	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	
	Heating		6.64	6.91	7.66	9.63	10.92	14.74	15.02	10.92	14.74	15.02									
Input Power	Cooling / Heating	kW									1.36 / 1.58	1.71 / 1.82	1.89 / 1.90	2.44 / 2.51	2.91 / 2.45	3.61 / 3.21	4.41 / 4.16	2.91 / 2.45	3.61 / 3.21	4.41 / 4.16	
EER	Cooling	W/W									3.82	3.51	3.60	3.49	3.26	3.35	3.04	3.26	3.35	3.04	
COP	Heating		3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73									
Pdesign	Cooling / Heating (-10°C)	kW									5.2 / 4.4	6.0 / 4.8	6.8 / 6.0	8.5 / 8.0	9.5 / 8.7	-	-	9.5 / 8.7	-	-	
SEER	Cooling	W/W									7.00	7.00	6.60	6.70	6.55	-	-	6.55	-	-	
SCOP	Heating (Average)		4.30	4.40	4.20	4.30	4.30	-	-	4.30	-	-									
Energy Efficiency Class	Cooling									A++	A++	A++	A++	A++	-	-	A++	-	-		
	Heating (Average)									A+	A+	A+	A+	A+	-	-	A+	-	-		
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	28.5 / 28.5	10.5 / 10.5	14.0 / 14.0	14.0 / 14.0	
Annual Energy Consumption	Cooling	kWh/a									260	300	360	444	507	-	-	507	-	-	
	Heating		1,431	1,527	1,999	2,601	2,828	-	-	2,828	-	-									
Moisture Removal		l/h									1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q									33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36	
	Indoor (Heating)	H/M/L/Q									33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36	
Sound Power Level	Outdoor (Cooling/Heating)	High									50 / 50	51 / 51	53 / 54	53 / 55	55 / 55	57 / 57	57 / 59	55 / 55	57 / 57	57 / 59	
	Indoor (Cooling / Heating)	High									47 / 47	49 / 49	49 / 49	54 / 54	58 / 58	60 / 60	61 / 61	58 / 58	60 / 60	61 / 61	
Airflow Rate	Outdoor (Cooling/Heating)	High									62 / 62	63 / 63	65 / 66	68 / 69	70 / 70	71 / 71	73 / 73	70 / 70	71 / 71	73 / 73	
	Indoor / Outdoor (Cooling)	High									1,050 / 2,160	1,050 / 2,240	1,150 / 2,700	1,600 / 3,750	1,870 / 3,750	2,000 / 4,450	2,100 / 4,450	1,870 / 3,750	2,000 / 4,450	2,100 / 4,450	
Net Dimensions H x W x D	Indoor	mm									246 × 840 × 840	246 × 840 × 840	246 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	
	Outdoor	mm									632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	
Weight	Indoor	kg (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)	
Connection Pipe Diameter (Liquid / Gas)		mm									6.35 (1/4") / 12.70 (1/2")			9.52 (3/8") / 15.88 (5/8")			9.52 (3/8") / 15.88 (5/8")				
Drain Hose Diameter (I.D. / O.D.)		mm									25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	
Max. Pipe Length (Pre-Charge)		m									30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	
Max. Height Difference		m									20	25	25	30	30	30	30	30	30	30	
Operating Range	Cooling	°CDB									-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24										
Refrigerant	Type (Global Warming Potential)									R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)		
	Charge	kg (CO2eq-T)									1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	
Cassette Grille	Variation									UTGUKYAW: White wired remote controller (touch panel) UTGUKYCW: White / UTGUKYAB*1: Black						UTGUKYAW: White wired RC (touch panel) UTGUKYCW: White / UTGUKYAB*1: Black					
	Dimensions (H × W × D)	mm									53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	
	Weight	kg (lbs)									6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	

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

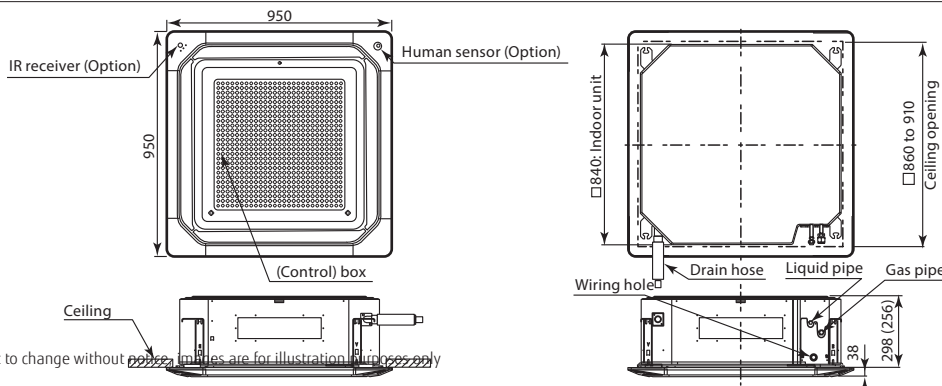
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	WLAN adapter:	UTYF5XZ1	Cassette Grille:	UTGUKYAB
Wired remote controller (touch panel):	UTYRNRYSZ5		FGRCWIF1Z2		UTGUKYAW
Wired remote controller:	UTYRLRY		UTYF5XJ3		UTGUKYCW
	UTYRNNYM		FGACWIF1Z1	Air Outlet Shutter Plate:	UTRYDZK
	UTYRVNYM	External input and output PCB:	UTYXCSX	Network Converter for single split (DC power supply type):	UTYVTGX
Simple remote controller (without operation mode):	UTYRHRY	External input and output PCB box:	UTZGXRA	Network Converter for single split (AC power supply type):	UTYVTGXV
Simple remote controller:	UTYRSRY	Insulation kit for high humidity:	UTZKXRA	Silver Ion Filter:	UTDHFRA
	UTYRSNYM	Fresh air intake kit:	UTZVXRA		
Occupancy sensor kit:	UTYSHZXC	Wide Panel:	UTGAKXAW	(Outdoor unit 30/36/45/54)	
External switch controller:	UTYTERX	Panel Spacer:	UTGBKXAW	External connect kit:	UTYXWZXC3
IR receiver unit	UTYLBTYC	External connect kit:	UTYXWZXCZG		

**Dimensions**

(Unit: mm)



( ): AUXG18/22/24KRLB

Specifications subject to change without notice. Dimensions are for illustration purposes only

# Slim Duct

Slim Design



## Slim design

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



Height **198 mm**  
Built-in drain pump

## Compact and lightweight outdoor unit

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



## Wide range of static pressures

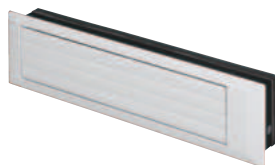
The use of a DC fan motor makes it possible to adjust the static pressure between 0 and 90 Pa. The static pressure range can be changed by a remote controller.



Static pressure range  
**0 to 90 Pa**

## Auto Louver Grille Kit (Option)

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

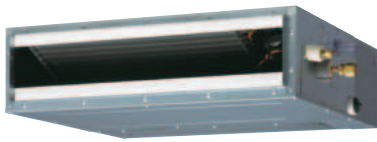


## Link up with a variety of Central Control System (Option)

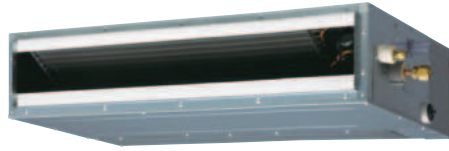
Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.



**Model: ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP**



ARXG09/12/14KLLAP



ARXG18KLLAP



For ARXG09/12/14KLLAP For ARXG18KLLAP

**Specifications** - The specifications shown below are with the standard outdoor units, also available with economy outdoors, see page S-040 for details

Model name	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOYG09KBTB	AOYG12KBTB	AOYG14KBTB	AOYG18KBTB
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A		Single phase, ~230 V, 50 Hz / 10A	
Capacity	Cooling	kW	2.5 (0.9-3.2)	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating		3.2 (0.9-4.7)	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
UK Capacity	Cooling (Total / Sensible)	kW	2.37 / 1.86	3.39 / 2.54	4.12 / 3.13	5.01 / 3.69
	Heating		4.21	5.06	5.80	6.64
Input Power	Cooling / Heating	kW	0.60 / 0.79	0.93 / 1.08	1.28 / 1.32	1.55 / 1.62
EER	Cooling	W/W	4.17	3.76	3.36	3.35
COP	Heating		4.05	3.80	3.79	3.70
Pdesign	Cooling / Heating (-10°C)	kW	2.5 / 2.6	3.5 / 3.4	4.3 / 3.8	5.2 / 4.4
SEER	Cooling	W/W	6.20	6.10	5.80	6.20
SCOP	Heating		4.30	4.00	3.90	4.10
Energy Efficiency Class	Cooling		A++	A++	A+	A++
	Heating		A+	A+	A	A+
Max. Operating Current	Cooling / Heating	A	7.9 / 7.9	9.7 / 9.7	10.2 / 10.2	12.1 / 12.1
Annual Energy Consumption	Cooling	kWh/a	141	201	259	293
	Heating		845	1,189	1,362	1,501
Moisture Removal		l/h	0.7	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	28 / 27 / 26 / 25	29 / 28 / 26 / 25	32 / 30 / 28 / 26	32 / 30 / 29 / 27
	Indoor (Heating)	H/M/L/Q	28 / 26 / 25 / 24	29 / 28 / 26 / 24	32 / 30 / 28 / 25	32 / 30 / 29 / 27
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)	0 to 90 (25)
Net Dimensions H x W x D	Indoor	mm	198 x 700 x 620	198 x 700 x 620	198 x 700 x 620	198 x 900 x 620
	Outdoor	mm	542 x 799 x 290	542 x 799 x 290	542 x 799 x 290	632 x 799 x 290
Weight	Indoor	kg (lbs)	17 (37)	17 (37)	17 (37)	20 (44)
	Outdoor	kg (lbs)	32 (71)	33 (73)	33 (73)	36 (79)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 12.70 (1/2")
Drain Hose Diameter (I.D. / O.D.)			25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	20 (15)	25 (15)	25 (15)	30 (20)
Max. Height Difference			15	20	20	20
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)

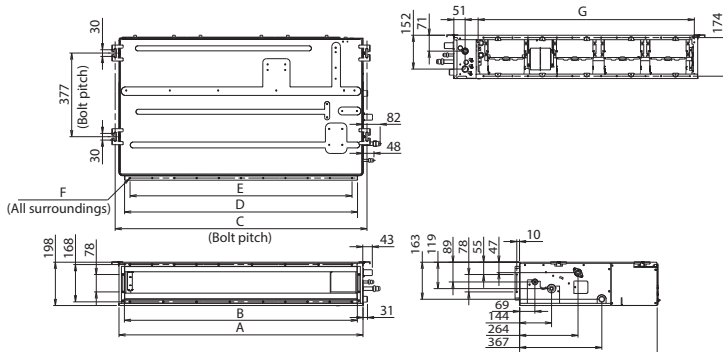
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	WLAN adapter:	UTYTFXSXZ1	Network Converter for single split (DC power supply type):	UTYVITGX
Wired remote controller (touch panel):	UTYRNRYZ5		FGRCWIF1Z2	Network Converter for single split (AC power supply type):	UTYVITGXV
Wired remote controller:	UTYRLRY		UTYTFXSJ3	External connect kit:	UTYXWZXZG
	UTYRNNYM		FGACWIF1Z1	Remote sensor unit:	UTYXSZXZ1
	UTYRVNYM	Silver Ion Filter:	UTDHFTA (09-14)	IR receiver unit:	UTYLBTYM
Simple remote controller (without operation mode):	UTYRHRY		UTDHFTE (18)	External switch controller:	UTYTERX
Simple remote controller:	UTYRSRY	Auto Louver Grille Kit:	UTDGXTAW (09-14)		
	UTYRSNYM		UTDGXTBW (18)		

**Dimensions**

(Unit: mm)



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

# Medium Static Pressure Duct

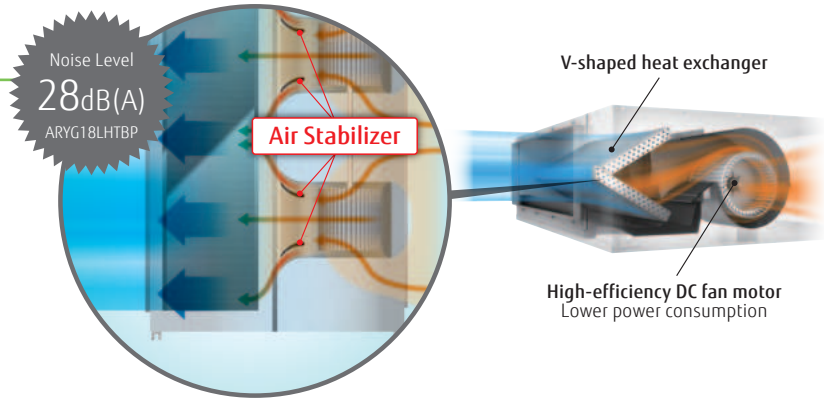
Compact Size



(30/36/45/54)

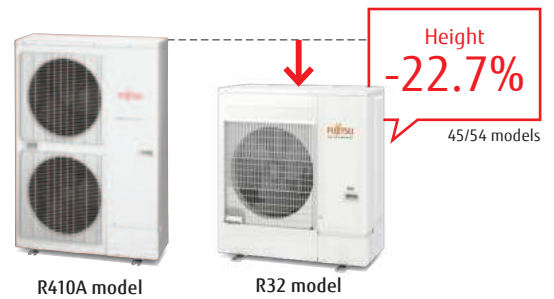
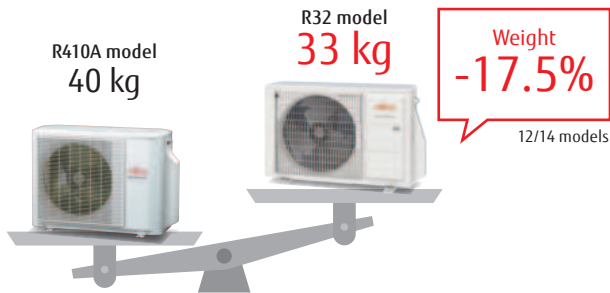
## High-Efficiency & Quiet Operation

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



## Small, lightweight outdoor unit

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



## Automatic Airflow adjustment function

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



## Link up with a variety of Central Control System (Option)

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





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



**Specifications**

Model name	Indoor unit		ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP		
	Outdoor unit		AOYG12KBTB	AOYG14KBTB	AOYG18KBTB	AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG54KBTB	AOYG36KRTA	AOYG45KRTA	AOYG54KRTA		
Power Source / Suggested Fuse Size			1Ph / 10A			Single phase, ~230 V, 50 Hz / 16A			1Ph, ~230 V, 50 Hz / 25A		1Ph / 32A		1Ph / 25A		3-phase, ~400 V, 50 Hz / 16A	
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 (4.2-16.5)	15.5 (4.7-16.5)	10.8 (2.7-12.7)	13.5 (4.2-16.5)	15.5 (4.7-16.5)		
UK Capacity	Cooling (Total / Sensible)	kW	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 / 7.50	11.54 / 9.52	12.78 / 10.04	9.03 / 7.50	11.54 / 9.52	12.78 / 10.04		
	Heating		5.06	5.80	6.64	6.91	7.86	9.63	10.92	13.83	15.02	10.92	14.74	15.02		
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	3.32	3.43	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	A++		A++	A++	A++	A++	A++	A++	-	-	A++	-	-		
	Heating (Average)	A+		A+	A+	A+	A+	A+	A+	-	-	A+	-	-		
Max. Operating Current	Cooling / Heating	A	9.7 / 9.7	10.2 / 10.2	12.1 / 12.1	12.6 / 12.6	13.6 / 13.6	22.6 / 22.6	22.6 / 22.6	28.5 / 28.5	28.5 / 28.5	10.5 / 10.5	14.0 / 14.0	14.0 / 14.0		
Annual Energy Consumption	Cooling	kWh/a	194	243	280	323	366	477	544	-	-	544	-	-		
	Heating		1,159	1,328	1,501	1,597	2,048	2,796	2,898	-	-	2,898	-	-		
Moisture Removal		l/h	0.7	0.9	1.2	1.5	1.8	2.3	2.0	2.6	3.7	2.0	2.6	3.7		
Sound Pressure Level	Indoor (Cooling)	dB(A)	32 / 21 / 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)		32 / 21 / 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		
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		
Airflow Rate	Indoor / Outdoor (Cooling)	m³/h	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	1,850 / 3,750	2,550 / 4,450	2,550 / 4,450	1,850 / 3,750	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	Indoor	mm	300 × 700 × 700	300 × 700 × 700	300 × 1,000 × 700	300 × 1,000 × 700	300 × 1,000 × 700	300 × 1,000 × 700	300 × 1,000 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700		
H x W x D	Outdoor		542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320		
Weight	Indoor	kg (lbs)	27 (60)	27 (60)	35 (77)	35 (77)	36 (79)	36 (79)	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)			
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 9.52 (3/8")		6.35 (1/4") / 12.70 (1/2")			9.52 (3/8") / 15.88 (5/8")		9.52 (3/8") / 15.88 (5/8")		9.52 (3/8") / 15.88 (5/8")				
Drain Hose Diameter (I.D. / O.D.)		mm	25 / 32		25 / 32		25 / 32		25 / 32		25 / 32		25 / 32			
Max. Pipe Length (Pre-Charge)		m	25 (15)		30 (20)		30 (20)		50 (30)		50 (30)		50 (30)			
Max. Height Difference		m	20		20		25		30		30		30			
Operating Range	Cooling	°CDB	-15 to 46		-15 to 46		-15 to 46		-15 to 46		-15 to 46		-15 to 46			
	Heating		-15 to 24		-15 to 24		-15 to 24		-15 to 24		-15 to 24		-15 to 24			
Refrigerant	Type (Global Warming Potential)		R32 (675)		R32 (675)		R32 (675)		R32 (675)		R32 (675)		R32 (675)			
	Charge	kg (CO2eq-T)	0.85 (0.574)		0.85 (0.574)		1.02 (0.689)		1.25 (0.844)		1.25 (0.844)		1.90 (1.283)			

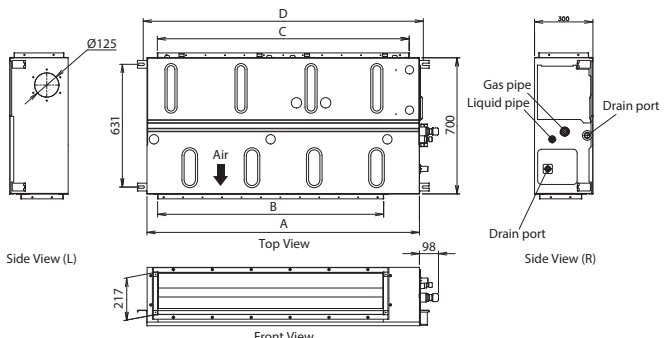
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	External input and output PCB:	UTYXCX	WLAN adapter:	UTYTFXSX21
Wired remote controller (touch panel):	UTYRNRZY5	External connect kit:	UTYXWXZG		FGRCWIF122
Wired remote controller:	UTYRLRY	External input and output PCB:	UTZGXNA		UTYTFXSJ3
	UTYRNNYM	Long-life filter:	UTDLFNA (36-54)		FGACWIF121
	UTYRVNYM		UTDLFNB (18-30)	Network Converter for single split (DC power supply type):	UTYVTGX
Simple remote controller (without operation mode):	UTYRHRY		UTDLFNC (12-14)	Network Converter for single split (AC power supply type):	UTYVTGXV
Simple remote controller:	UTYRSRY	Silver Ion Filter:	UTDHFNC (12/14)		
	UTYRSNYM		UTDHFNB (18-30)		
Remote sensor unit:	UTYXSZKZ1	IR receiver unit:	UTDHFNA (36-54)	(Outdoor unit 30/36/45/54)	
External switch controller:	UTYTERX		UTYLTBYM	External connect kit:	UTYXWXZ3

**Dimensions**

(Unit: mm)



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

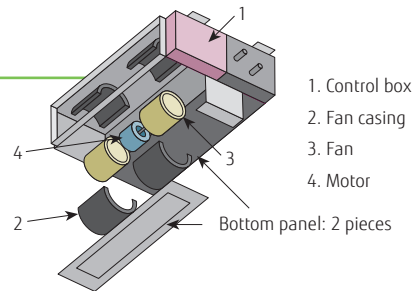
# Medium Static Pressure Duct Standard



(45)

## Easy maintenance

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

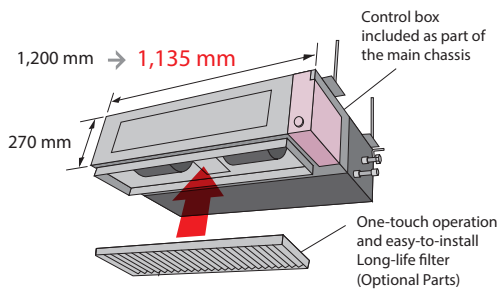


See below for case of rear-suction type

## Slim & Compact Design

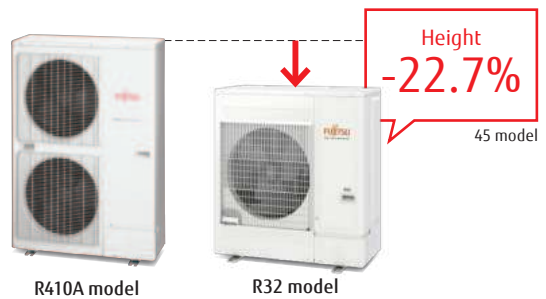
### Indoor Unit

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

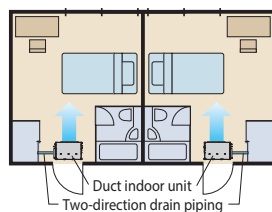


### Outdoor Unit

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



## Two-direction drain piping



## Link up with a variety of Central Control System (Option)

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





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



**Specifications** - The specifications shown below are with the standard outdoor units, also available with economy outdoors, see page S-040 for details

Model name	Indoor unit		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit		AOYG22KBTB	AOYG24KBTB	AOYG30KBTB	AOYG36KBTB	AOYG45KBTB	AOYG36KRTA	AOYG45KRTA
Power Source / Suggested Fuse Size			1Ph, ~230 V	50 Hz / 16A	1Ph, ~230 V	50 Hz / 25A	1Ph / 32A	3-phase, ~400 V, 50 Hz / 16A	
Capacity	Cooling	kW	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)	9.5 (2.8-11.2)	12.1 (4.0-13.0)
	Heating		7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)	10.8 (2.7-12.7)	13.5 (4.2-15.2)
UK Capacity	Cooling (Total / Sensible)	kW	5.85 / 4.37	6.63 / 4.86	8.08 / 6.23	9.03 / 6.83	11.54 / 8.64	9.03 / 6.83	11.54 / 8.64
	Heating		6.91	7.86	9.63	10.92	13.83	10.92	13.83
Input Power	Cooling / Heating	kW	1.78 / 1.87	2.14 / 1.97	2.65 / 2.63	2.97 / 2.88	4.22 / 3.84	2.97 / 2.88	4.22 / 3.84
EER	Cooling	W/W	3.37	3.18	3.21	3.20	2.87	3.20	2.87
COP	Heating		3.74	3.80	3.80	3.75	3.52	3.75	3.52
Pdesign	Cooling / Heating (-10°C)	kW	6.0 / 4.8	6.8 / 6.0	8.5 / 8.0	9.5 / 8.7	-	9.5 / 8.7	-
SEER	Cooling	W/W	6.10	6.20	6.23	6.10	-	6.10	-
SCOP	Heating		4.10	4.10	4.00	4.00	-	4.00	-
Energy Efficiency Class	Cooling	A	A++	A++	A++	A++	-	A++	-
	Heating		A+	A+	A+	A+	-	A+	-
Max. Operating Current	Cooling / Heating	A	12.6 / 12.6	13.6 / 13.6	22.6 / 22.6	22.6 / 22.6	28.5 / 28.5	10.5 / 10.5	14.0 / 14.0
Annual Energy Consumption	Cooling	kWh/a	344	384	477	545	-	545	-
	Heating		1,637	2,045	2,797	3,044	-	3,044	-
Moisture Removal		l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q	31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28
Sound Power Level	Outdoor (Cooling/Heating)	High	51 / 51	53 / 54	53 / 55	55 / 55	57 / 57	55 / 55	57 / 57
	Outdoor (Cooling/Heating)	High	60 / 62	60 / 62	65 / 69	65 / 70	68 / 70	65 / 70	68 / 70
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,100 / 2,240	1,100 / 2,700	1,900 / 3,750	1,900 / 3,750	2,100 / 4,450	1,900 / 3,750	2,100 / 4,450
	Indoor / Outdoor (Heating)	High	1,100 / 1,960	1,100 / 2,700	2,100 / 3,750	2,100 / 3,750	2,100 / 4,450	2,100 / 3,750	2,100 / 4,450
Static pressure range (Standard)		Pa	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30-150 (47)	30-150 (60)
Net Dimensions H x W x D	Indoor	mm	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700
	Outdoor	mm	632 x 799 x 290	716 x 820 x 315	788 x 940 x 320	788 x 940 x 320	998 x 940 x 320	788 x 940 x 320	998 x 940 x 320
Weight	Indoor	kg (lbs)	35 (77)	35 (77)	38 (84)	38 (84)	39 (86)	38 (84)	39 (86)
	Outdoor	kg (lbs)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	53 (117)	67 (148)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 12.70 (1/2")		9.52 (3/8") / 15.88 (5/8")		9.52 (3/8") / 15.88 (5/8")		
Drain Hose Diameter (I.D. / O.D.)		mm	35.7 / 38.1	35.7 / 38.1	35.7 / 38.1	35.7 / 38.1	35.7 / 38.1	35.7 / 38.1	
Max. Pipe Length (Pre-Charge)		m	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference		m	25	25	30	30	30	30	30
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)

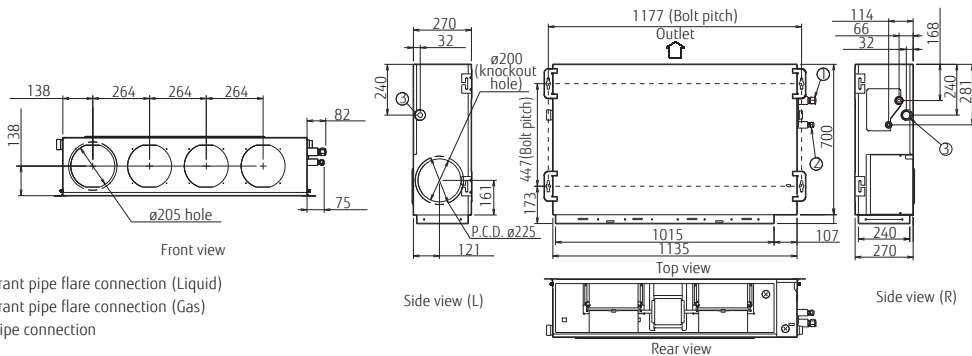
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	WLAN adapter:	UTYFYSXZ1	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRYZ5		FGRCWIF22	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY		UTYFYSXJ3	Drain pump unit:	UTZPX1NBA
	UTYRNNYM		FGACWIF1Z	Long-life filter:	UTDLF25NA
	UTYRVNYM	Flange (Round):	UTDRF204	Silver Ion Filter:	UTDHFND
Simple remote controller (without operation mode):	UTYRHRY	Flange (Square):	UTDSF045T		
Simple remote controller:	UTYRSRY	IR receiver unit:	UTYLBTM	(Outdoor unit 30/36/45)	
	UTYRSNYM	Remote sensor unit:	UTYXSZXZ1	External connect kit:	UTYXWZXZ3
External switch controller:	UTYTERX	External connect kit:	UTYXWZXZG		

**Dimensions**

(Unit: mm)



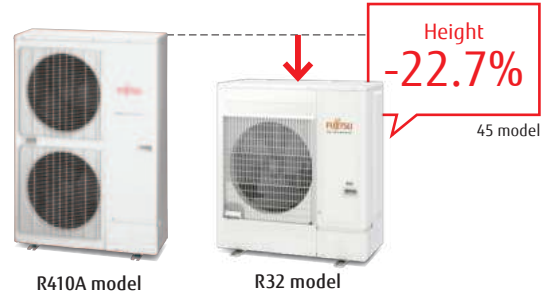
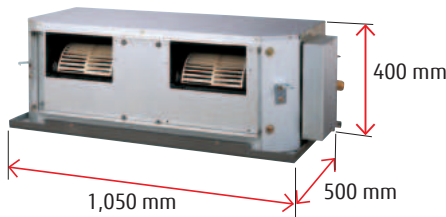
NEW

# High Static Pressure Duct

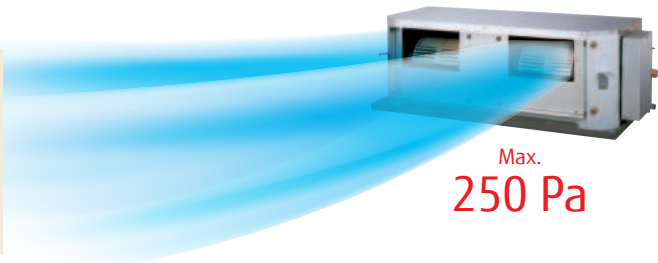
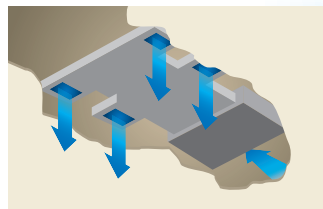


## Easy installation (Compact & Lightweight)

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

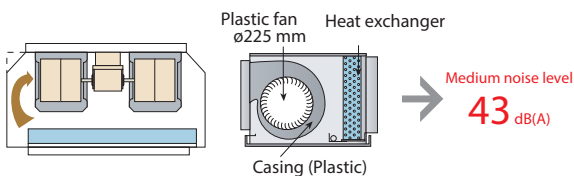


## Design also suits high static pressure



## Low noise

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



## Link up with a variety of Central Control System (Option)

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



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



**Specifications**

Model name	Indoor unit		ARXG45KHTB	ARXG54KHTB	ARXG45KHTB	ARXG54KHTB	
	Outdoor unit		AOYG45KBTB	AOYG54KBTB	AOYG45KRTA	AOYG54KRTA	
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 32A		3-phase, ~400 V, 50 Hz / 16A		
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 Capacity	Cooling (Total / Sensible)	kW	11.54 / 9.68	12.78 / 10.60	11.54 / 9.68	12.78 / 10.60	
	Heating		14.74	16.38	14.74	16.38	
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	-		-		-	
Max. Operating Current	Cooling / Heating	A	28.5 / 28.5	28.5 / 28.5	14.0 / 14.0	14.0 / 14.0	
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	
Sound Power Level	Outdoor (Cooling/Heating)	High	57 / 57	57 / 59	57 / 57	57 / 59	
	Indoor (Cooling / Heating)	High	75 / 74	75 / 74	75 / 74	75 / 74	
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	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	
	Outdoor	mm	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	
Weight	Indoor	kg (lbs)	46 (101)	46 (101)	46 (101)	46 (101)	
	Outdoor	kg (lbs)	67 (148)	67 (148)	67 (148)	67 (148)	
Connection Pipe Diameter (Liquid / Gas)		mm	9.52 (3/8") / 15.88 (5/8")	9.52 (3/8") / 15.88 (5/8")	9.52 (3/8") / 15.88 (5/8")	9.52 (3/8") / 15.88 (5/8")	
Drain port Diameter (I.D. / O.D.)			23.4 / 25.4	23.4 / 25.4	23.4 / 25.4	23.4 / 25.4	
Max. Pipe Length (Pre-Charge)		m	50 (30)	50 (30)	50 (30)	50 (30)	
Max. Height Difference			30	30	30	30	
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	
	Charge	kg (CO2eq-T)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	

**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

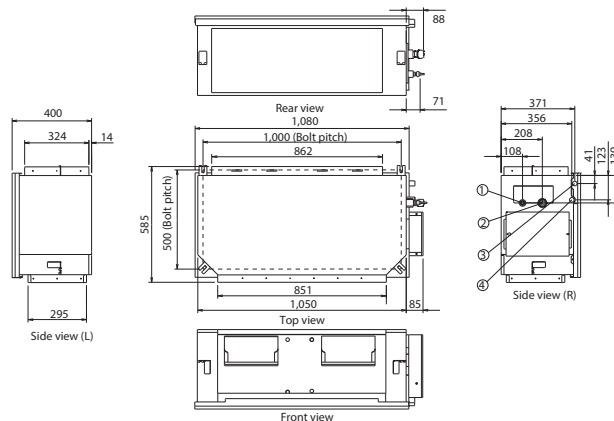
Compact wired remote controller: UTYRCRYZ1  
 Wired remote controller (touch panel): UTYRNRYZ5  
 Wired remote controller: UTYRLRY  
 Simple remote controller: UTYRSRY  
 UTYRHRY  
 IR Receiver unit: UTYLBTYM  
 External connect kit: UTYXWZXZG

Remote sensor unit: UTYXSZXZ1  
 Long-life filter: UTDLF60KA  
 External switch controller: UTYTERX  
 WLAN adapter: UTYTFSXZ1  
 UTYTFSXJ3  
 FGACWIF1Z1  
 External input and output PCB: UTYXCSX+UTZGXEA

Network Converter for single split (DC power supply type): UTYVTGX  
 Network Converter for single split (AC power supply type): UTYVTGXV  
 Silver Ion Filter: UTDHFKB  
**(Outdoor unit)**  
 External connect kit: UTYXWZXZ3

**Dimensions**

(Unit: mm)



Specifications subject to change without notice, images are for illustration purposes only

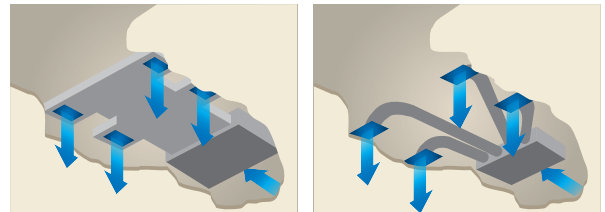
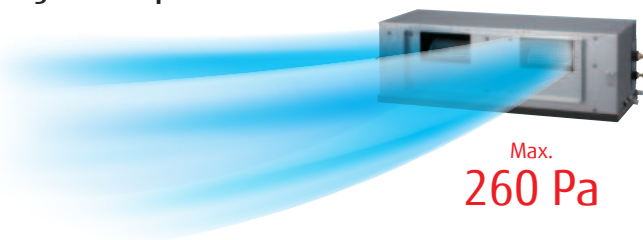
# High Static Pressure Duct



## High energy efficiency

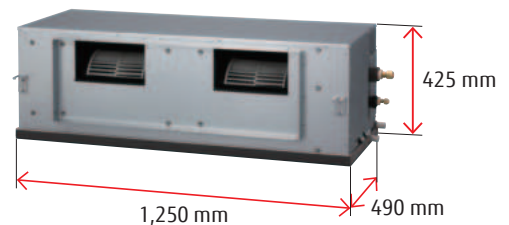
Much greater efficiency is achieved by the use of all-DC inverter technology.

## Design also corresponding to high static pressure



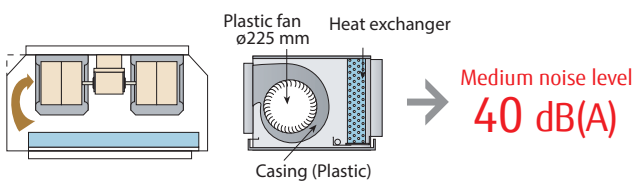
## Easy installation (Compact & Lightweight)

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



## Low noise

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



## Link up with a variety of Central Control System (Option)

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





Model: ARYG60LHTA [3-phase]



Wired RC



Specifications

Model name	Indoor unit		ARYG60LHTA	
	Outdoor unit		AOYG60LATT	
Power Source / Suggested Fuse Size				3-phase, ~400 V, 50 Hz / 16A
Capacity	Cooling	kW	15.0 (6.2-17.5)	
	Heating		18.0 (6.2-20.0)	
UK Capacity	Cooling (Total / Sensible)	kW	13.47 / 12.77	
	Heating		16.64	
Input Power	Cooling / Heating	kW	4.70 / 5.15	
EER	Cooling	W/W	3.19	
COP	Heating		3.50	
Max. Operating Current	Cooling / Heating	A	12.5 / 12.5	
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 H x W x D	Indoor	mm	425 x 1,250 x 490	
	Outdoor	mm	1,290 x 900 x 330	
Weight	Indoor	kg (lbs)	54 (119)	
	Outdoor	kg (lbs)	104 (229)	
Connection Pipe Diameter (Liquid / Gas)			mm	
Drain Hose Diameter (I.D. / O.D.)			mm	
Max. Pipe Length (Pre-Charge)			m	
Max. Height Difference			m	
Operating Range	Cooling	°CDB	-15 to 46	
	Heating		-15 to 24	
Refrigerant	Type (Global Warming Potential)	R410A (2,088)		
	Charge	kg (CO2eq-T)	3.45 (7.204)	

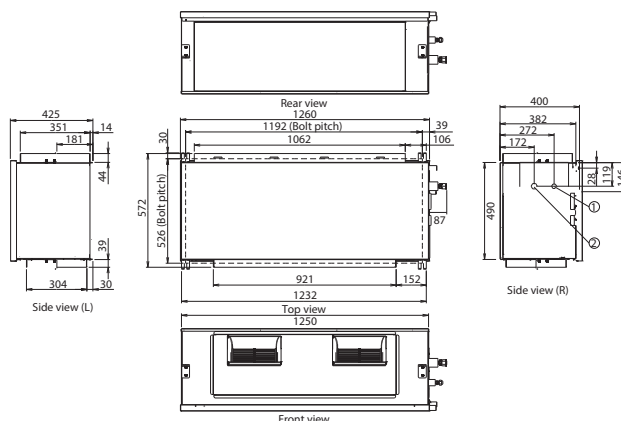
Optional parts

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Wired remote controller: UTYRNNYM	Network Converter for single split (DC power supply type): UTYVTGX
Wired remote controller: UTYRVNYM	Network Converter for single split (AC power supply type): UTYVTGXV
Simple remote controller: UTYRSNYM	External connect kit: UTDECS5A
External switch controller: UTYTERX	IR receiver unit: UTYLRHYM
WLAN adapter: UTYTFNXZ1	
Remote sensor unit: FGRCWIF1Z2	(Outdoor unit) External connect kit: UTYXWZXZ2
Remote sensor unit: UTYXSZXZ1	

Dimensions

(Unit: mm)

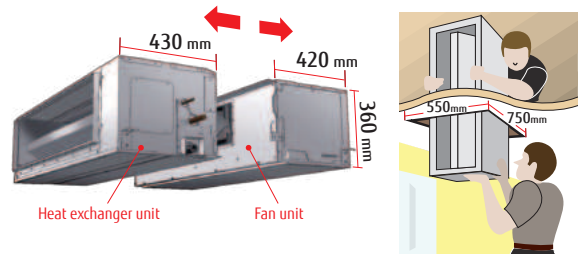


# Big Duct



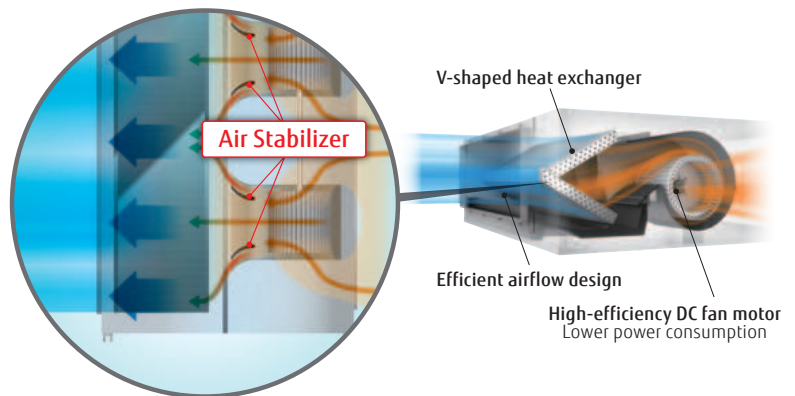
## Splittable, lightweight, and compact design

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



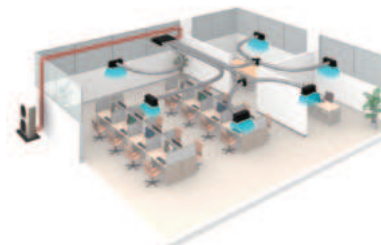
## Quiet operation

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



## Automatic Airflow adjustment function

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



## Link up with a variety of Central Control System (Option)

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





Model: ARYG72LHTA/ARYG90LHTA



Wired RC



Specifications

Model name	Indoor unit		ARYG72LHTA	ARYG90LHTA
	Outdoor unit		AOYG72LRLA	AOYG90LRLA
Power Source	Indoor		Single phase, ~230 V, 50 Hz / 6A	
	Outdoor		3-phase, ~400 V, 50 Hz / 16A	
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 Capacity	Cooling (Total / Sensible)	kW	18.96 / 14.65	21.95 / 16.62
	Heating		21.54	26.00
Input Power	Cooling / Heating	kW	6.46 / 6.59	7.77 / 8.18
	EER		Cooling	2.94
COP	Heating	W/W	3.40	3.30
	Max. Operating Current		Indoor (Cooling / Heating)	-
Moisture Removal	Outdoor (Cooling / Heating)	A	-	-
			l/h	4.5
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 (Cooling)	High	4,300 / 8,400	4,300 / 8,400
	Indoor / Outdoor (Heating)	High	4,300 / 8,400	4,300 / 9,000
Static pressure range (Standard)		Pa	50 to 150 (72)	50 to 200 (72)
Net Dimensions H x W x D	Indoor	mm	360 × 1,400 × 850	360 × 1,400 × 850
	Outdoor	mm	1,428 × 1,080 × 480	1,428 × 1,080 × 480
Weight	Indoor	kg (lbs)	69 (152)	80 (176)
	Outdoor	kg (lbs)	165 (364)	174 (384)
Connection Pipe Diameter (Liquid / Gas)		mm	12.70 (1/2") / 25.4 (1 1/8")	12.70 (1/2") / 25.4 (1 1/8")
Drain Hose Diameter (I.D. / O.D.)			25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	100 (30)	100 (30)
Max. Height Difference			30	30
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46
	Heating		-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)
	Charge	kg (CO2eq-T)	5.6 (11.693)	7.1 (14.825)

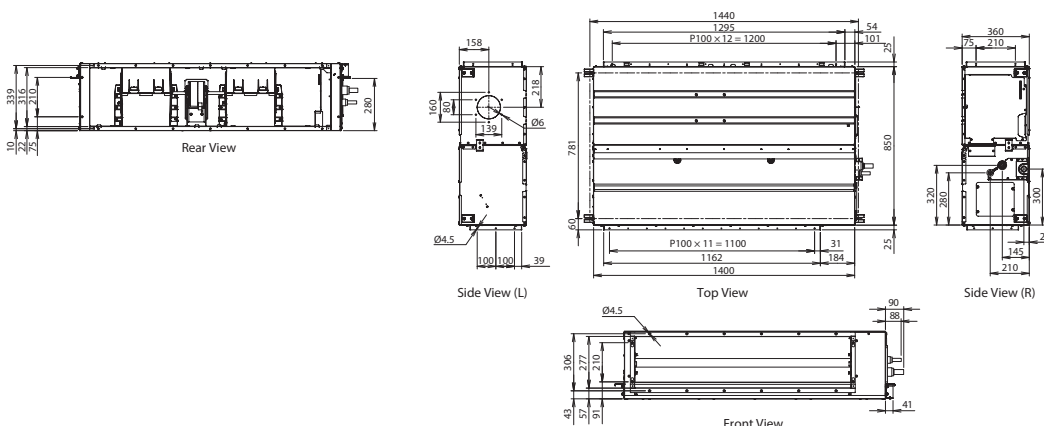
Optional parts

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	WLAN adapter:	UTYF5XZ1	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRYZ5		FGRCWIF122	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY		UTYF5XJ3	IR receiver unit:	UTYLBTYM
	UTYRNRYM		FGACWIF121	Silver Ion Filter:	UTYLRHYM
	UTYRVNYM	External input and output PCB:	UTYXCSX		UTDHFKA
Simple remote controller (without operation mode):	UTYRHRY	Remote sensor unit:	UTYXSZX1		
Simple remote controller:	UTYRSRY	Long-life filter	UTDLFKA	(Outdoor unit)	
	UTYRSNYM	External connect kit:	UTYXWZXZG	External connect kit:	UTYXWZXZ3
External switch controller:	UTYTERX	Drain pump unit:	UTZPX1NAB		

Dimensions

(Unit: mm)



# Floor

Compact Size



## High energy saving

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

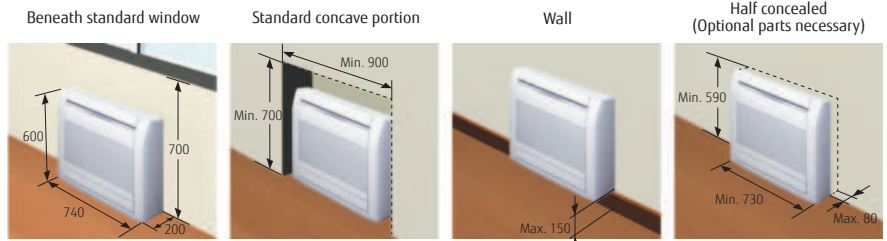


SEER **8.50**<sup>\*1</sup> SCOP **4.30**<sup>\*1</sup>

\*1: 09 model

## Flexible & easy installation

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

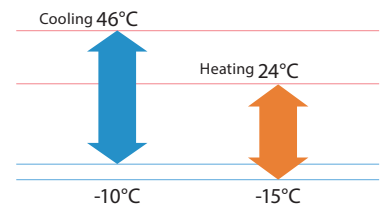


(Unit: mm)

\* Concave position installation with concealment is prohibited.

## Low ambient operation

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



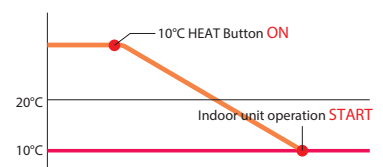
## Smart device control (Option)

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



## 10°C Heat

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



Model: AGYG09KVCA / AGYG12KVCA / AGYG14KVCA



Wireless RC



For AGYG09/12KVCA



For AGYG14KVCA

**Specifications**

Model name	Indoor unit		AGYG09KVCA	AGYG12KVCA	AGYG14KVCA
	Outdoor unit		AOYG09KVCA	AOYG12KVCA	AOYG14KVCA
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A		Single phase, ~230 V, 50 Hz / 16A
Capacity	Cooling	kW	2.5 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.2)
	Heating		3.5 (0.9-5.1)	4.5 (0.9-5.3)	5.2 (0.9-6.3)
UK Capacity	Cooling (Total / Sensible)	kW	2.40 / 2.33	3.36 / 2.76	3.99 / 3.27
	Heating		4.50	4.67	6.46
Input Power	Cooling / Heating	kW	0.53 / 0.81	0.88 / 1.22	1.06 / 1.41
EER	Cooling	W/W	4.70	4.00	3.95
COP	Heating		4.30	3.70	3.70
Pdesign	Cooling / Heating (-10°C)	kW	2.50 / 2.60	3.50 / 3.50	4.20 / 4.20
SEER	Cooling	W/W	8.50	8.20	8.10
SCOP	Heating (Average)		4.30	4.10	4.00
Energy Efficiency Class	Cooling	A+++		A++	A++
	Heating (Average)	A+		A+	A+
Max. Operating Current	Cooling / Heating	A	7.0 / 8.5	7.0 / 8.5	11.0 / 12.0
Annual Energy Consumption	Cooling	kWh/a	103	149	181
	Heating (Average)		845	1,192	1,466
Moisture Removal			1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40 / 35 / 29 / 22	40 / 35 / 29 / 22	44 / 38 / 31 / 22
	Indoor (Heating)	H/M/L/Q	41 / 35 / 29 / 22	41 / 35 / 29 / 22	43 / 37 / 29 / 22
Sound Power Level	Outdoor (Cooling/Heating)	High	43 / 47	45 / 51	51 / 50
	Indoor (Cooling / Heating)	High	53 / 54	53 / 54	57 / 56
	Outdoor (Cooling/Heating)	High	58 / 61	61 / 64	63 / 63
	Indoor / Outdoor (Cooling)	High	570 / 1,530	570 / 1,530	650 / 2,210
Airflow Rate	Indoor / Outdoor (Heating)	High	600 / 1,510	600 / 1,510	650 / 2,100
	Indoor	mm	600 × 740 × 200	600 × 740 × 200	600 × 740 × 200
Net Dimensions H x W x D	Outdoor	mm	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290
	Indoor	kg (lbs)	14 (31)	14 (31)	14 (31)
Weight	Outdoor	kg (lbs)	31 (68)	31 (68)	38 (83)
	Connection Pipe Diameter (Liquid / Gas)	6.35 (1/4") / 9.52 (3/8")		6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")
Drain Hose Diameter (I.D. / O.D.)	mm		13.8 / 15.8 to 16.7	13.8 / 15.8 to 16.7	13.8 / 15.8 to 16.7
Max. Pipe Length (Pre-Charge)	m		20 (15)	20 (15)	20 (15)
Max. Height Difference			15	15	15
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	R32 (675)		R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.94 (0.635)

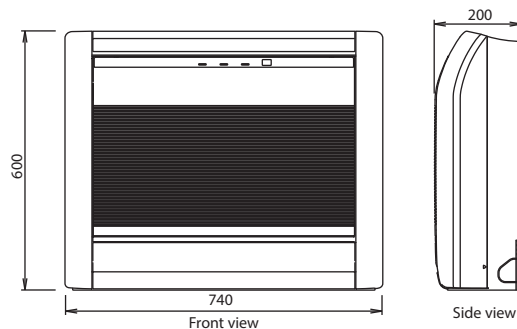
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	External switch controller:	UTYTERX	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRZ5	WLAN adapter:	UTYTF SXZ1	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY		FGACWIF1Z1	Silver Ion Filter:	UTRFA035
Simple remote controller (without operation mode):	UTYRHRY		UTYTF SXJ3	External connect kit:	UTYXWZXZ5
Simple remote controller:	UTYRSRY	Half concealed kit:	UTRSTA	Communication kit:	UTYTWXRZ3

**Dimensions**

(Unit: mm)



# Ceiling



reddot winner 2020



## Light Elegant Design

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



## Easy installation

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

1. Set mounting brackets

2. Hold up the ceiling unit and fit to the mounting brackets

3. Attach with screws



## Easy maintenance

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



The drain pan can be removed for cleaning.



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



## Flexible installation

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



## Link up with a variety of Central Control System (Option)

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



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



**Specifications** - The specifications shown below are with the standard outdoor units, also available with economy outdoors, see page S-041 for details

Model name	Indoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	ABYG36KRTA	ABYG45KRTA	ABYG54KRTA			
	Outdoor unit		A0YG18KBTB	A0YG22KBTB	A0YG24KBTB	A0YG30KBTB	A0YG36KBTB	A0YG45KBTB	A0YG36KRTA	A0YG45KRTA	A0YG54KRTA			
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 16A				1Ph, ~230 V, 50 Hz / 25A		1Ph / 32A			3-phase, ~400 V, 50 Hz / 16A		
Capacity	Cooling	kW	5.2 (0.9-5.9)	6.0 (0.9-6.7)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.1 (4.0-13.5)	9.5 (2.8-11.2)	12.1 (4.0-13.5)	13.4 (4.5-14.5)			
	Heating		6.0 (0.9-7.5)	7.0 (0.9-8.0)	7.5 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	10.8 (2.7-12.7)	13.5 (4.2-16.2)	15.5 (4.7-16.5)			
UK Capacity	Cooling (Total / Sensible)	kW	5.01 / 3.62	5.85 / 4.12	6.63 / 4.97	8.08 / 5.23	9.03 / 7.44	11.54 / 8.37	TBC	TBC	TBC			
	Heating		6.64	6.91	7.86	9.63	10.92	14.74	TBC	TBC	TBC			
Input Power	Cooling / Heating	kW	1.55 / 1.62	1.87 / 1.95	2.14 / 1.97	2.65 / 2.77	2.96 / 2.88	4.22 / 3.84	2.96 / 2.88	4.22 / 3.84	4.45 / 4.43			
EER	Cooling	W/W	3.35	3.21	3.18	3.21	3.21	2.87	3.21	2.87	3.01			
COP	Heating		3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.50			
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	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++												
	Heating (Average)	A+												
Max. Operating Current	Cooling / Heating	A	12.1 / 12.1	12.6 / 12.6	13.6 / 13.6	22.6 / 22.6	22.6 / 22.6	28.5 / 28.5	10.5 / 10.5	14.0 / 14.0	14.0 / 14.0			
Annual Energy Consumption	Cooling	kWh/a	293	344	384	486	524	-	524	-	-			
	Heating		1,501	1,677	2,042	2,796	2,904	-	2,904	-	-			
Moisture Removal		l/h	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	5.0			
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38 / 36 / 33 / 31	42 / 37 / 34 / 31	41 / 36 / 32 / 29	45 / 40 / 35 / 32	44 / 40 / 37 / 32	45 / 41 / 39 / 34	44 / 40 / 37 / 32	45 / 41 / 39 / 34	48 / 44 / 41 / 38			
	Indoor (Heating)	H/M/L/Q	38 / 36 / 33 / 31	42 / 37 / 34 / 31	41 / 36 / 32 / 29	45 / 40 / 35 / 32	44 / 40 / 37 / 32	45 / 41 / 39 / 34	44 / 40 / 37 / 32	45 / 41 / 39 / 34	48 / 44 / 41 / 38			
Sound Power Level	Outdoor (Cooling/Heating)	High	50 / 50	51 / 51	53 / 54	53 / 55	55 / 55	57 / 57	55 / 55	57 / 57	57 / 59			
	Indoor (Cooling / Heating)	High	53 / 53	57 / 57	56 / 56	60 / 60	59 / 59	60 / 60	59 / 59	60 / 60	63 / 63			
Airflow Rate	Indoor / Outdoor (Cooling)	High	840 / 2,160	900 / 2,240	1,230 / 2,700	1,400 / 3,750	1,850 / 3,750	1,900 / 4,450	1,850 / 3,750	1,900 / 4,450	2,100 / 4,450			
	Indoor / Outdoor (Heating)	High	840 / 1,830	900 / 1,960	1,230 / 2,700	1,400 / 3,750	1,800 / 3,750	1,850 / 4,450	1,800 / 3,750	1,850 / 4,450	2,100 / 4,450			
Net Dimensions H x W x D	Indoor	mm	235 × 1,080 × 705	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705			
	Outdoor	mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 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)	38 (84)			
	Outdoor	kg (lbs)	36 (79)	38 (84)	42 (93)	52 (115)	52 (115)	67 (148)	53 (117)	67 (148)	67 (148)			
Connection Pipe Diameter (Liquid / Gas)			6.35 (1/4") / 12.70 (1/2")			9.52 (3/8") / 15.88 (5/8")			9.52 (3/8") / 15.88 (5/8")					
Drain Hose Diameter (I.D. / O.D.)			25 / 32		25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32			
Max. Pipe Length (Pre-Charge)			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			
Operating Range	Cooling	°CDB	-15 to 46		-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46			
	Heating		-15 to 24		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24			
Refrigerant	Type (Global Warming Potential)	R32 (675)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)			
	Charge	kg (CO2eq-T)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)			

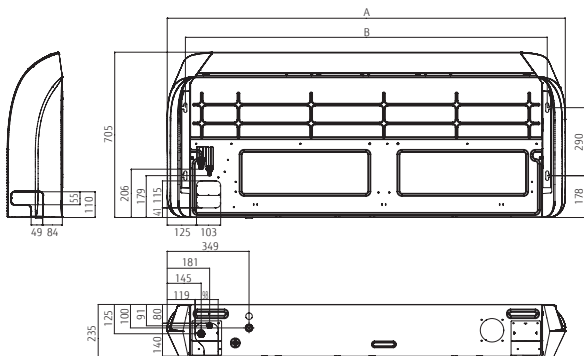
**Optional parts**

\* For optional parts compatibility of Intesis devices, refer to our Control Systems & Optional Parts Catalogue

Compact wired remote controller:	UTYRCRYZ1	WLAN adapter:	UTYFYSXZ1	Network Converter for single split (DC power supply type):	UTYVTGX
Wired remote controller (touch panel):	UTYRNRZY5		UTYFYSXJ3	Network Converter for single split (AC power supply type):	UTYVTGXV
Wired remote controller:	UTYRLRY		FGACWIF121	External switch controller:	UTYTERX
Simple remote controller (without operation mode):	UTYRHRY	Drain pump unit:	UTROPB24T		
Simple remote controller:	UTYRSRY	IR receiver unit:	UTYLBTYH	(Outdoor unit 30/36/45/54)	
External input and output PCB:	UTYXCSX	L-type piping kit:	UTPFX24A (18/22/24)	External connect kit:	UTYXWZXZ3
External input and output PCB box:	UTZGXEK		UTPFX35A (30/36/45/54)		
External connect kit:	UTYXWZXZG	Communication kit:	UTYTWXZ3		

**Dimensions**

(Unit: mm)



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





# ECO Series Lineup Specifications

Compact cassette



Model name	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit		AOYG09KATA	AOYG12KATA	AOYG14KATA	AOYG18KATA	AOYG22KATA	AOYG24KATA
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A			Single phase, ~230 V, 50 Hz / 16A		
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 Capacity	Cooling (Total / Sensible)	kW	2.37 / 1.92	3.27 / 2.56	4.10 / 3.12	4.80 / 3.42	5.65 / 3.90	6.63 / 4.74
	Heating		3.28	3.67	4.90	5.65	6.37	7.43
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	A++		A++	A++	A++	A++	A+
	Heating	A+		A+	A	A	A	A
Max. Operating Current	Cooling / Heating	A	6.9 / 6.9	7.7 / 7.7	9.2 / 9.2	10.1 / 10.1	11.6 / 11.6	12.6 / 12.6
Annual Energy Consumption	Cooling	kWh/a	141	201	247	298	344	403
	Heating		804	979	1,120	1,362	1,578	1,988
Moisture Removal		l/h	0.6	1.2	1.5	2.2	2.6	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33 / 31 / 29 / 27	37 / 34 / 30 / 27	38 / 34 / 30 / 27	38 / 34 / 30 / 26	44 / 42 / 36 / 30	49 / 44 / 36 / 30
	Indoor (Heating)	H/M/L/Q	34 / 32 / 29 / 27	37 / 34 / 31 / 29	43 / 38 / 34 / 30	43 / 38 / 34 / 30	45 / 43 / 40 / 33	49 / 45 / 40 / 33
Sound Power Level	Outdoor (Cooling/Heating)	High	47 / 48	49 / 50	50 / 51	51 / 52	52 / 53	54 / 55
	Indoor (Cooling / Heating)	High	46 / 47	49 / 49	50 / 55	50 / 55	56 / 57	59 / 61
Airflow Rate	Outdoor (Cooling/Heating)	High	60 / 60	62 / 62	63 / 63	63 / 64	64 / 65	66 / 67
	Indoor / Outdoor (Cooling)	High	540 / 1,610	600 / 1,630	680 / 1,670	680 / 1,710	830 / 2,240	930 / 2,885
Net Dimensions H x W x D	Indoor	mm	245 x 570 x 570	245 x 570 x 570	245 x 570 x 570	245 x 570 x 570	245 x 570 x 570	245 x 570 x 570
	Outdoor	mm	541 x 663 x 290	541 x 663 x 290	542 x 799 x 290	542 x 799 x 290	632 x 799 x 290	632 x 799 x 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)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 9.52 (3/8")			6.35 (1/4") / 12.70 (1/2")		
Drain port Diameter (I.D. / O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	15 (15)	15 (15)	20 (15)	20 (15)	25 (15)	25 (20)
Max. Height Difference		m	15	15	15	15	20	20
Operating 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 (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)	0.9 (0.608)	1.1 (0.743)	1.25 (0.844)
Cassette Grille	Model name		UTGUFYFW	UTGUFYFW	UTGUFYFW	UTGUFYFW	UTGUFYFW	UTGUFYFW
	Dimensions (H x W x D)	mm	49 x 620 x 620	49 x 620 x 620	49 x 620 x 620	49 x 620 x 620	49 x 620 x 620	49 x 620 x 620
	Weight	kg (lbs)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)	2.3 (5)

Circular cassette - Single Phase



Model name	Indoor unit		AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	
	Outdoor unit		AOYG18KATA	AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG54KATA	
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 16A			1Ph / 20A	1Ph / 25A	1Ph, ~230 V, 50 Hz / 32A		
Capacity	Cooling	kW	5.2 (0.9-5.4)	6.0 (0.9-6.3)	6.8 (0.9-7.4)	8.5 (2.8-9.6)	9.5 (2.8-10.6)	12.1 (4.0-12.6)	13.4 (4.5-13.8)	
	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)	
UK Capacity	Cooling (Total / Sensible)	kW	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	
	Heating		5.65	6.37	7.43	9.29	10.75	13.65	14.56	
Input Power	Cooling / Heating	kW	1.60 / 1.66	1.85 / 1.93	2.12 / 1.97	2.56 / 2.64	3.06 / 2.58	4.32 / 3.77	4.87 / 4.86	
EER	Cooling	W/W	3.25	3.24	3.21	3.32	3.10	2.80	2.75	
COP	Heating	W/W	3.61	3.63	3.81	3.79	4.19	3.58	3.19	
Pdesign	Cooling / Heating (-10°C)	kW	5.2 / 3.8	6.0 / 4.4	6.8 / 5.4	8.5 / 8.0	9.5 / 8.7	-	-	
SEER	Cooling	W/W	6.2	6.2	6.1	6.1	6.1	-	-	
SCOP	Heating	W/W	4.1	4.1	4.0	4.0	4.0	-	-	
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++	-	-	
	Heating		A+	A+	A+	A+	A+	-	-	
Max. Operating Current	Cooling / Heating	A	10.1 / 10.1	11.6 / 11.6	12.6 / 12.6	22.5 / 22.5	22.5 / 22.5	28.1 / 28.1	28.1 / 28.1	
Annual Energy Consumption	Cooling	kWh/a	293	338	390	488	545	-	-	
	Heating		1,297	1,502	1,887	2,794	3,044	-	-	
Moisture Removal		l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	
	Indoor (Heating)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	
Sound Power Level	Outdoor (Cooling/Heating)	High	51 / 52	52 / 53	54 / 55	53 / 55	55 / 55	58 / 59	58 / 61	
	Indoor (Cooling / Heating)	High	47 / 47	49 / 49	49 / 49	54 / 54	58 / 58	60 / 60	61 / 61	
	Outdoor (Cooling/Heating)	High	63 / 64	64 / 65	66 / 67	68 / 69	70 / 70	72 / 73	74 / 75	
	Indoor / Outdoor (Cooling)	High	1,050 / 1,710	1,050 / 2,240	1,150 / 2,885	1,600 / 3,750	1,870 / 3,750	2,000 / 4,450	2,100 / 4,450	
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,050 / 1,840	1,050 / 2,240	1,150 / 2,350	1,600 / 3,750	1,870 / 3,750	2,000 / 4,450	2,100 / 4,780	
	Indoor / Outdoor (Heating)	High	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	
Net Dimensions H x W x D	Indoor	mm	246 × 799 × 290	632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	
	Outdoor	mm	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	788 × 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)	
	Outdoor	kg (lbs)	33 (73)	36 (79)	38 (84)	52 (115)	52 (115)	61 (134)	63 (139)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 12.70 (1/2")			9.52 (3/8") / 15.88 (5/8")				
Drain port Diameter (I.D. / O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	
Max. Pipe Length (Pre-Charge)		m	20 (15)	25 (15)	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	
Max. Height Difference		m	15	20	20	30	30	30	30	
Operating 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	
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
	Charge	kg (CO2eq-T)	0.9 (0.608)	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)	
Cassette Grille	Model name		UTGUKYAW: White wired remote controller (touch panel)				UTGUKYCW: White / UTGUKYAB*1: Black			
	Dimensions (H × W × D)	mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	
	Weight	kg (lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	

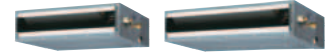
Circular cassette - Three Phase



Model name	Indoor unit		AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit		AOYG36KQTA	AOYG45KQTA	AOYG54KQTA
Power Source / Suggested Fuse Size			3-phase, ~400 V, 50 Hz / 16A		
Capacity	Cooling	kW	9.5 (2.8-10.6)	12.1 (4.0-12.6)	13.4 (4.5-13.8)
	Heating		10.8 (2.7-12.5)	13.5 (4.2-15.0)	15.5 (4.7-16.0)
UK Capacity	Cooling (Total / Sensible)	kW	9.03 / 6.49	11.54 / 8.56	12.78 / 9.23
	Heating		10.75	13.65	14.56
Input Power	Cooling / Heating	kW	3.06 / 2.58	4.32 / 3.77	4.87 / 4.86
EER	Cooling	W/W	3.10	2.80	2.75
COP	Heating	W/W	4.19	3.58	3.19
Pdesign	Cooling / Heating (-10°C)	kW	9.5 / 8.7	-	-
SEER	Cooling	W/W	6.1	-	-
SCOP	Heating	W/W	4.0	-	-
Energy Efficiency Class	Cooling		A++	-	-
	Heating		A+	-	-
Max. Operating Current	Cooling / Heating	A	10.5 / 10.5	13.6 / 13.6	13.6 / 13.6
Annual Energy Consumption	Cooling	kWh/a	545	-	-
	Heating		3,044	-	-
Moisture Removal		l/h	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	44 / 41 / 38 / 34	46 / 42 / 39 / 35	47 / 43 / 40 / 36
	Indoor (Heating)	H/M/L/Q	44 / 41 / 38 / 34	46 / 42 / 39 / 35	47 / 43 / 40 / 36
Sound Power Level	Outdoor (Cooling/Heating)	High	55 / 55	60 / 60	61 / 61
	Indoor (Cooling / Heating)	High	58 / 58	- / -	- / -
	Outdoor (Cooling/Heating)	High	70 / 70	72 / 73	74 / 75
	Indoor / Outdoor (Cooling)	High	1,870 / 3,750	2,000 / 4,450	2,100 / 4,450
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,870 / 3,750	2,000 / 4,450	2,100 / 4,780
	Indoor / Outdoor (Heating)	High	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
Net Dimensions H x W x D	Indoor	mm	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
	Outdoor	mm	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg (lbs)	29 (64)	29 (64)	29 (64)
	Outdoor	kg (lbs)	53 (117)	62 (137)	63 (139)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52 (3/8") / 15.88 (5/8")		
Drain port Diameter (I.D. / O.D.)		mm	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	30 (30)	30 (30)	30 (30)
Max. Height Difference		m	30	30	30
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)
Cassette Grille	Model name		53 × 950 × 950		
	Dimensions (H × W × D)	mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight	kg (lbs)	6.0 (13)	6.0 (13)	6.0 (13)

Specifications subject to change without notice, images are for illustration purposes only

Slim Duct



Model name	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOYG09KATA	AOYG12KATA	AOYG14KATA	AOYG18KATA
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 10A		Single phase, ~230 V, 50 Hz / 16A	
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 Capacity	Cooling (Total / Sensible)	kW	2.37 / 1.86	3.27 / 2.49	4.10 / 3.12	4.80 / 3.54
	Heating		3.28	3.67	4.90	5.65
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
Max. Operating Current	Cooling / Heating	A	6.9 / 6.9	7.7 / 7.7	9.2 / 9.2	10.1 / 10.1
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	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	47 / 48	49 / 50	50 / 51	51 / 52
	Indoor (Cooling / Heating)	High	57 / 57	58 / 58	60 / 60	58 / 58
Airflow Rate	Indoor / Outdoor (Cooling)	High	600 / 1,610	650 / 1,630	800 / 1,670	940 / 1,710
	Indoor / Outdoor (Heating)	High	600 / 1,550	650 / 1,410	800 / 1,580	940 / 1,840
Static pressure range (Standard)		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 x 700 x 620	198 x 700 x 620	198 x 700 x 620	198 x 900 x 620
	Outdoor	mm	541 x 663 x 290	541 x 663 x 290	542 x 799 x 290	542 x 799 x 290
Weight	Indoor	kg (lbs)	17 (37)	17 (37)	17 (37)	20 (44)
	Outdoor	kg (lbs)	23 (51)	25 (55)	32 (71)	33 (73)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 9.52 (3/8")	6.35 (1/4") / 12.70 (1/2")
Drain port Diameter (I.D. / O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	15 (15)	15 (15)	20 (15)	20 (15)
Max. Height Difference			15	15	15	15
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)	0.9 (0.608)

Medium Static Pressure Duct



Model name	Indoor unit		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA	
	Outdoor unit		AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	AOYG36KQTA	AOYG45KQTA	
Power Source / Suggested Fuse Size			1Ph, ~230 V, 50 Hz / 16A			1Ph, ~230 V, 50 Hz / 25A			3-phase, ~400 V, 50 Hz / 16A	
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 Capacity	Cooling (Total / Sensible)	kW	5.65 / 4.23	6.63 / 4.86	8.08 / 6.23	9.03 / 6.83	11.54 / 8.64	9.03 / 6.83	11.54 / 8.64	
	Heating		6.37	7.43	9.29	10.75	13.65	10.75	13.65	
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+	-		
	Heating	A		A	A	-	A	-		
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	
Annual Energy Consumption	Cooling	kWh/a	362	403	513	594	-	594	-	
	Heating		1,620	1,935	2,871	3,122	-	3,122	-	
Moisture Removal		l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31 / 29 / 27 / 25	31 / 29 / 27 / 25	39 / 35 / 30 / 26	39 / 35 / 30 / 26	42 / 38 / 32 / 28	39 / 35 / 30 / 26	42 / 38 / 32 / 28	
	Indoor (Heating)	H/M/L/Q	31 / 29 / 27 / 25	31 / 29 / 27 / 25	42 / 35 / 30 / 26	42 / 35 / 30 / 26	42 / 38 / 32 / 28	42 / 35 / 30 / 26	42 / 38 / 32 / 28	
Sound Power Level	Outdoor (Cooling/Heating)	High	52 / 53	54 / 55	53 / 55	55 / 55	58 / 59	55 / 55	58 / 59	
	Indoor (Cooling/Heating)	High	60 / 62	60 / 62	65 / 69	65 / 70	68 / 70	65 / 70	68 / 70	
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,100 / 2,240	1,100 / 2,885	1,900 / 3,750	1,900 / 3,750	2,100 / 4,450	1,900 / 3,750	2,100 / 4,450	
	Indoor / Outdoor (Heating)	High	1,100 / 2,240	1,100 / 2,350	2,100 / 3,750	2,100 / 3,750	2,100 / 4,450	2,100 / 3,750	2,100 / 4,450	
Static pressure range (Standard)		Pa	30 - 150 (35)	30 - 150 (35)	30 - 150 (47)	30 - 150 (47)	30 - 150 (60)	30 - 150 (47)	30 - 150 (60)	
Net Dimensions H x W x D	Indoor	mm	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	270 x 1,135 x 700	
	Outdoor	mm	632 x 799 x 290	632 x 799 x 290	788 x 940 x 320	788 x 940 x 320	998 x 940 x 320	788 x 940 x 320	998 x 940 x 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)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 12.70 (1/2")	9.52 (3/8")	15.88 (5/8")	9.52 (3/8") / 15.88 (5/8")	9.52 (3/8")	15.88 (5/8")		
Drain port Diameter (I.D. / O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	35.7 / 38.1	35.7 / 38.1	
Max. Pipe Length (Pre-Charge)		m	25 (15)	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	
Max. Height Difference			20	20	30	30	30	30	30	
Operating 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	
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
	Charge	kg (CO2eq-T)	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	1.9 (1.283)	2.4 (1.620)	

Ceiling - Single Phase



Model name	Indoor unit		ABYG18KRTA	ABYG22KRTA	ABYG24KRTA	ABYG30KRTA	ABYG36KRTA	ABYG45KRTA	
	Outdoor unit		AOYG18KATA	AOYG22KATA	AOYG24KATA	AOYG30KATA	AOYG36KATA	AOYG45KATA	
Power Source / Suggested Fuse Size			Single phase, ~230 V, 50 Hz / 16A			1Ph, ~230 V, 50 Hz / 25A			1Ph / 32A
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)	
	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)	
UK Capacity	Cooling (Total / Sensible)	kW	5.01 / 3.62	5.85 / 4.12	6.63 / 4.97	8.08 / 5.23	9.03 / 7.44	11.54 / 8.37	
	Heating		5.58	6.39	7.43	9.29	10.75	13.65	
Input Power	Cooling / Heating	kW	1.66 / 1.71	1.95 / 2.09	2.19 / 2.00	2.78 / 2.86	3.13 / 3.03	4.84 / 4.18	
EER	Cooling	W/W	3.13	3.08	3.11	3.06	3.04	2.50	
COP	Heating		3.51	3.35	3.75	3.5	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	-	
SEER	Cooling	W/W	5.8	5.6	6.0	5.8	5.6	-	
SCOP	Heating		3.8	3.8	3.9	3.9	3.9	-	
Energy Efficiency Class	Cooling	A+		A+	A+	A+	A+	-	
	Heating	A		A	A	A	A	-	
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	
Annual Energy Consumption	Cooling	kWh/a	538	375	679	512	594	-	
	Heating		1,398	1,618	1,935	2,871	3,117	-	
Moisture Removal		l/h	2.0	2.5	2.2	3.0	2.6	4.5	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	
	Indoor (Heating)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	
Sound Power Level	Outdoor (Cooling/Heating)	High	51 / 52	52 / 53	54 / 55	53 / 55	55 / 55	58 / 59	
	Indoor (Cooling / Heating)	High	53 / 53	57 / 57	56 / 56	60 / 60	59 / 59	60 / 60	
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	
	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	
Net Dimensions H x W x D	Indoor	mm	235 × 1,080 × 705	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	
	Outdoor	mm	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	988 × 940 × 320	
Weight	Indoor	kg (lbs)	24 (53)	24 (53)	31 (68)	31 (68)	38 (84)	38 (84)	
	Outdoor	kg (lbs)	33 (73)	36 (79)	38 (84)	52 (115)	52 (115)	61 (134)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35 (1/4") / 12.70 (1/2")			9.52 (3/8") / 15.88 (5/8")			
Drain port Diameter (I.D. / O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32	
Max. Pipe Length (Pre-Charge)		m	20 (15)	25 (15)	25 (20)	30 (30)	30 (30)	30 (30)	
Max. Height Difference		m	15	20	20	30	30	30	
Operating 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 (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
	Charge	kg (CO2eq-T)	0.9 (0.608)	1.1 (0.743)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.40 (1.620)	

Ceiling - Three Phase



Model name	Indoor unit		ABYG36KRTA	ABYG45KRTA
	Outdoor unit		AOYG36KQTA	AOYG45KQTA
Power Source / Suggested Fuse Size			3-phase, ~400 V, 50 Hz / 16A	
Capacity	Cooling	kW	9.5 (2.8-10.6)	12.1 (4.0-12.6)
	Heating		10.8 (2.7-12.5)	13.5 (4.2-15.0)
UK Capacity	Cooling (Total / Sensible)	kW	9.03 / 7.44	11.54 / 8.37
	Heating		10.75	13.65
Input Power	Cooling / Heating	kW	3.13 / 3.03	4.84 / 4.18
EER	Cooling	W/W	3.04	2.50
COP	Heating		3.56	3.23
Pdesign	Cooling / Heating (-10°C)	kW	9.5 / 8.7	-
SEER	Cooling	W/W	5.6	-
SCOP	Heating		3.9	-
Energy Efficiency Class	Cooling	A+		-
	Heating	A		-
Max. Operating Current	Cooling / Heating	A	10.5 / 10.5	13.6 / 13.6
Annual Energy Consumption	Cooling	kWh/a	594	-
	Heating		3,117	-
Moisture Removal		l/h	2.6	4.5
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	44/40/37/32	45/41/39/34
	Indoor (Heating)	H/M/L/Q	44/40/37/32	45/41/39/34
Sound Power Level	Outdoor (Cooling/Heating)	High	55 / 55	58 / 59
	Indoor (Cooling / Heating)	High	59 / 59	60 / 60
Airflow Rate	Indoor / Outdoor (Cooling)	High	1,850 / 3,750	1,900 / 4,450
	Indoor / Outdoor (Heating)	High	1,800 / 3,750	1,850 / 4,450
Net Dimensions H x W x D	Indoor	mm	235 × 1,700 × 705	235 × 1,700 × 705
	Outdoor	mm	788 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg (lbs)	38 (84)	38 (84)
	Outdoor	kg (lbs)	53 (117)	62 (137)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52 (3/8") / 15.88 (5/8")	
Drain port Diameter (I.D. / O.D.)		mm	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	30 (30)	30 (30)
Max. Height Difference		m	30	30
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.90 (1.283)	2.40 (1.620)

Specifications subject to change without notice, images are for illustration purposes only









# Feature Summary

Type		Wall-mounted type			
Series		Economy Series		Standard Series	
					
Model name		ASYG09/12KPCE	ASYG18/24KLCA	ASYG07/09/12/14KMCF	
					
Energy-Saving Features	 Dual-fan				
	 Save Human sensor				
	 Save & Stop Human sensor				
	 Economy mode	●	●	●	
	 Setting temperature range limitation			○	
 Set temperature auto return			○		
Features for Comfort	 Powerful heating				
	 Power diffuser				
	 Powerful mode	●	●	●	
	 10°C Heat			●	
	 Low noise mode			●	
	 Auto changeover	●	●	●	
	 UP/DOWN swing louver	●	●	●	
	 Double swing automatic				
	 Automatic fan speed	●	●	●	
	 Auto restart	●	●	●	
	 Connectable fresh air duct				
	 Fresh air intake				
	 Connectable distributing duct				
	 Individual airflow direction control				
Convenience Features	 Auto-off timer			○	
	 Sleep timer	●	●	●	
	 Program timer	●	●	●	
	 Weekly timer			○	
	 Weekly & Temperature setback timer			○	
	 Filter sign	●	●	●	
	 External error output			○	
	 External ON/OFF input			○	
	 Wireless LAN control	○		○	
	 Multi system control				
Clean Features	 Special cooling				
	 Plasma air clean				
	 Filter auto clean				
	 Ion deodorization filter			○	
	 Apple-catechin filter			○	
	 Long-life filter				
Installation / Support	 Washable panel	●	●		
	 Silver Ion Filter	○	○	○	
	 Automatic airflow adjustment				
	 Drain pump as standard				
	Blue fin				
	Refrigerant cycle monitor				

\*1 For details of Multi System Control function, refer to our Control Systems and Optional Parts Catalogue

\*2 Wired remote controller (UTYRNRZY5) is required to use Special Cooling function.



Wall-mounted type				
	Standard Series		Designer Series	
				
	ASYG18/24KMTE	ASYH30/36KMTB	ASYG07/09/12/14KETE, ASYG07/09/12/14KETEB	ASYG07/09/12/14KGTE
				
		●		●
	●	●	●	●
	○	○	○	○
	○	○	○	○
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	○	○	○	○
	●	●	●	●
	●	●	●	●
	●	●	●	●
	○	○	○	○
	○	○	○	○
	○	○	○	○
		○		
		●		
	●	●	●	●
	●	●	●	●
	●	●	●	●
	○	○	○	○
		●		
		○		

○: 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)
Model name	AUXG 09/12/14/18/22/24 KVLA	AUXG 18/22/24/30/36/45/54 KRLB	ARXG09/12/14/18KLLAP	ARXG 12/14/18/22/24/30/36/45/54 KHTAP
Energy-Saving Features	Dual-fan			
	Save human sensor			
	Save & Stop human sensor		○	
	Economy mode	●	●	●
	Setting temperature range limitation	○	●	○
Set temperature auto return	●	●	●	
Features for Comfort	Powerful heating			
	Power diffuser			
	Powerful mode			
	10°C Heat	●	○	○
	Low noise mode		○ (45/54)	○ (45/54)
	Auto changeover	●	●	●
	UP/DOWN swing louver	●	●	○
	Double swing automatic			
	Automatic fan speed	●	●	●
	Auto restart	●	●	●
	Connectable fresh air duct		●	
	Fresh air intake	○	○	○
	Connectable distributing duct		●	
Individual airflow direction control		●		
Convenience Features	Auto-off timer	●	●	●
	Sleep timer	●	○	○
	Program timer	●	○	○
	Weekly timer	●	●	●
	Weekly & Temperature setback timer	○		●
	Filter sign	●	●	●
	External error output		○	○
	External ON/OFF input	●	●	●
	Wireless LAN control	○	○	○
	Multi system control			
Clean Features	Special cooling			
	Plasma air clean			
	Filter auto clean			
	Ion deodorization filter			
	Apple-catechin filter			
	Long-life filter			○
Installation / Support	Washable panel			
	Silver Ion Filter	○	○	○
	Automatic airflow adjustment			●
	Drain pump as standard	●	●	●
	Blue fin		● (30/36/45/54)	● (30/36/45/54)
	Refrigerant cycle monitor			

\*1 For details of Multi System Control function, refer to our Control Systems and Optional Parts Catalogue

\*2 Wired remote controller (UTYRNRZY5) is required to use Special Cooling function.



### Notice regarding specifications

I.U. = Indoor Unit O.U. = Outdoor Unit Qu = Quiet \* = Not decided yet

- Specifications and design are subject to change without notice for future improvement.
- For further details, check with our authorized dealers.
- Cooling and heating capacities are based on the following conditions:

Cooling	Indoor temp. : 27°C DB/19°C WB Outdoor temp.: 35°C DB/24°C WB	Heating	Indoor temp. : 20°C DB Outdoor temp.: 7°C DB/6°C WB
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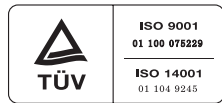
- Performance tests are conducted in accordance with EN14511.
- Seasonal efficiency tests are conducted in accordance with EN14825.
- Sound power tests are conducted in accordance with EN12102.

UK Capacities are based upon the following

- UK Cooling (Total / Sensible) 23°C DB/16°C WB Indoor 30°C Outdoor
- UK Heating 20°C Indoor, 0°C Outdoor



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ISO 14001 Certification number: 01 104 9245

Fujitsu General (Shanghai) Co., Ltd.



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ISO 9001 Certification number: 15917020073R5M  
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