



Light Commercial & Residential SPLIT

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- S-060 Wall-mounted Specifications
- S-063 ECO Series Lineup Specifications
- S-068 Feature Summary



Refrigerant R32 models

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

- S-016 Designer Range
 - High Spec & Design
 - Cool Beauty Design
- S-020 Standard Range – High-Efficiency & Comfort
- S-022 ECO Range – Compact Size

Wall-mounted type

- S-024 Standard Range
 - High-Efficiency & Large Rooms
- S-028 ECO Range
 - Compact Size
 - Comfort for Large Rooms
 - Cooling-enhanced type

Cassette

- S-034 Compact 4-way Flow Range – Compact Size
- S-036 Circular Flow Range – Comfort for Large Rooms

Duct

- S-038 Slim Duct – Slim Design
- S-040 Medium Static Pressure Duct
 - High-Efficiency & Comfort
 - Compact Size
 - Standard
- S-050 High Static Pressure Duct

Floor, Ceiling

- S-056 Floor – Compact Size
- S-058 Ceiling



Refrigerant R410A models

Duct

- S-052 High Static Pressure Duct
- S-054 Big Duct



Split Overview

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



Wall-mounted type, Designer Series, Cool Beauty Design

Existing pipes can be reused if they meet our guidelines

Please consult with our regional sales subsidiaries for details.

Cautions when reusing the existing pipes

- The thickness of the pipes must be 0.8 mm or thicker in accordance with the pipe diameter.
- Use flares that have been reworked to be compatible with the new refrigerant, and are compliant with ISO 14903.
- Select suitable wiring in accordance with the installation manual of the new air conditioning unit.
- When pump-down is not possible or when the inner pipe walls are dirty, make sure to clean the pipes before connecting new ones.
- When using different diameters pipes from the standard sizes,
 - The performance may not reach the published specification value.
 - Dedicated flare nuts compliant with ISO 14903 should be procured locally.
 - Restrictions apply to pipe lengths, refrigerant volumes, and room sizes.



Wall-mounted type

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



Duct

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



Cassette

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



Floor

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



Ceiling

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

Indoor Units Lineup



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

Type	Range	Refrigerant	Model	Class													
				7	9	12	14	18	22	24	30	36	45	54	60	72	90
Wall-mounted type Built in WLAN adapter model	Designer Range High Spec & Design	R32 Cooling & Heating	NEW KG Series	ASHH07KGTG	ASHH09KGTG	ASHH12KGTG	ASHH14KGTG										
	Designer Range Cool Beauty Design	R32 Cooling & Heating	KE Series	ASHG07KETF ASHG07KETF-B	ASHG09KETF ASHG09KETF-B	ASHG12KETF ASHG12KETF-B	ASHG14KETF ASHG14KETF-B										
	Standard Range High-Efficiency & Comfort	R32 Cooling & Heating	NEW KM Series	ASHH07KMCG ASHH07KMCG-B	ASHH09KMCG ASHH09KMCG-B	ASHH12KMCG ASHH12KMCG-B	ASHH14KMCG ASHH14KMCG-B										
	ECO Range Compact Size	R32 Cooling & Heating	NEW KN Series	ASHH07KNCA	ASHH09KNCA	ASHH12KNCA											
Wall-mounted type	Standard Range High-Efficiency & Large Rooms	R32 Cooling & Heating	KM Series				ASHG18KMTE		ASHG24KMTE								
	Standard Range High-Efficiency & Large Rooms	R32 Cooling & Heating	KM Series								ASHH30KMTB	ASHH36KMTB					
	ECO Range Compact Size	R32 Cooling & Heating	KP Series	ASHG07KPCE	ASHG09KPCE	ASHG12KPCE											
	ECO Range Comfort for Large Rooms	R32 Cooling & Heating	KL Series				ASHG18KLCA		ASHG24KLCA								
	ECO Range Cooling-enhanced	R32 Cooling & Heating	NEW KL Series	ASHH07KLTA	ASHH09KLTA	ASHH12KLTA											

Indoor Units Lineup



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Type	Range	Refrigerant	Model	Class													
				7	9	12	14	18	22	24	30	36	45	54	60	72	90
Cassette	Compact 4-way Flow Range Compact Size	Cooling & Heating			AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA							
	Circular Flow Range Comfort for Large Rooms	Cooling & Heating	 18/22/24 30/36/45/54					AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB			
Duct	Slim Duct	Cooling & Heating	 09/12/14 18		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP									
	Medium Static Pressure Duct High-Efficiency & Comfort	Cooling & Heating	 12/14/18 22/24 30/36/45/54			ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP	ARXH24KMTAP	ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH54KMTAP			
	Medium Static Pressure Duct Compact Size	Cooling & Heating	 12/14 18/22/24/30 36/45/54			ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP			
	Medium Static Pressure Duct Standard	Cooling & Heating							ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA				
	High Static Pressure Duct	Cooling & Heating												ARXG45KHTB	ARXG54KHTB		
		Cooling & Heating														ARHG60LHTA	
	Big Duct	Cooling & Heating															ARHG72LHTA
Floor Compact & Comfort	Cooling & Heating				AGHG09KVCA	AGHG12KVCA	AGHG14KVCA										
Ceiling	Cooling & Heating	 18/22 24/30 36/45/54						ABHG18KRTA	ABHG22KRTA	ABHG24KRTA	ABHG30KRTA	ABHG36KRTA	ABHG45KRTA	ABHG54KRTA			

Features

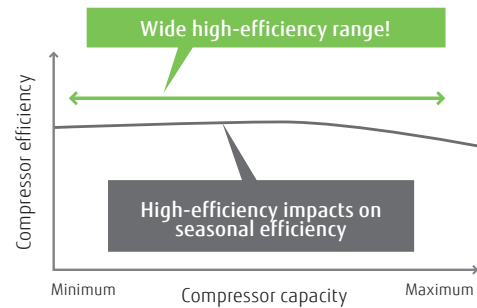
High-Efficiency

ALL DC All DC Inverter Technology



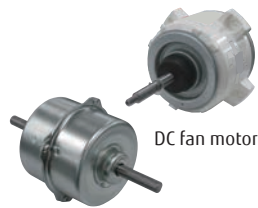
DC twin-rotary compressor

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



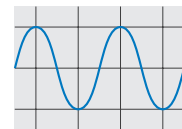
DC fan motor

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



Sine-wave DC inverter control

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



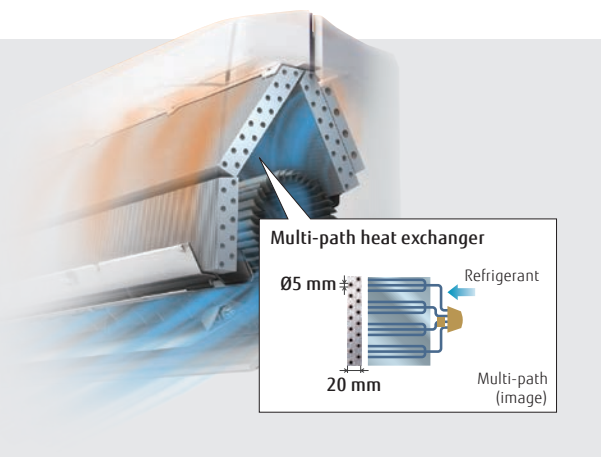
Heat Exchanger for Wall-mounted type

High-density multipath heat exchanger

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

High-performance sub-cool heat exchanger

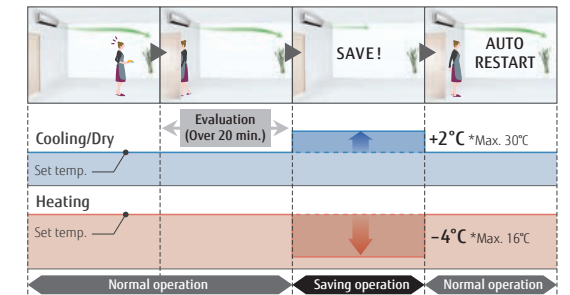
A counter-type bypass circuit has been incorporated to achieve a higher performance. (Large multi-split type, VRF)



High Energy Saving

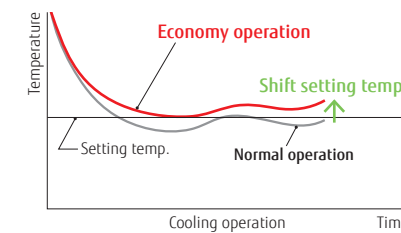
Human sensor control

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.



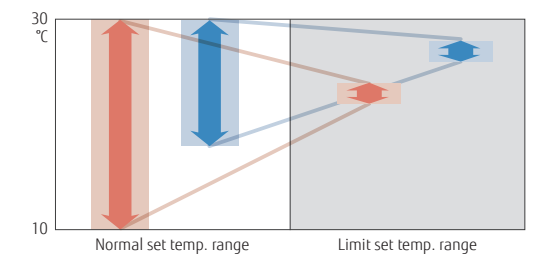
Economy operation

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



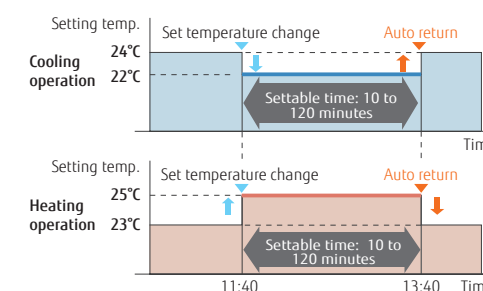
Setting temperature range limitation

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



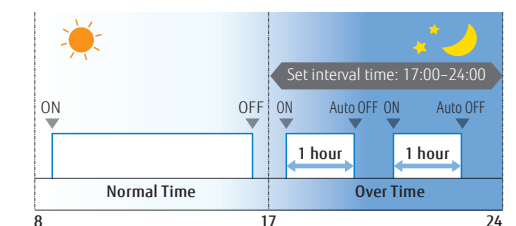
Set temperature auto return

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



Auto-off timer

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

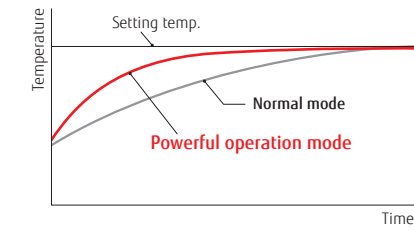


More Comfort



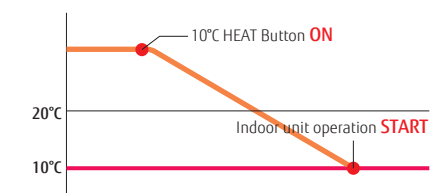
Powerful operation

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



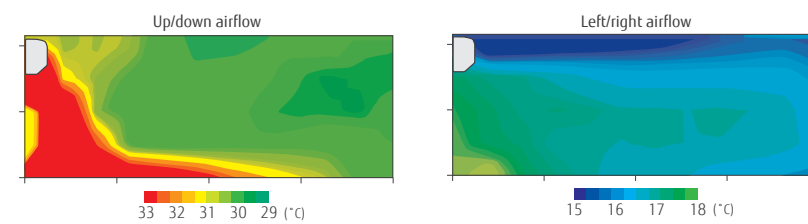
10°C heat

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



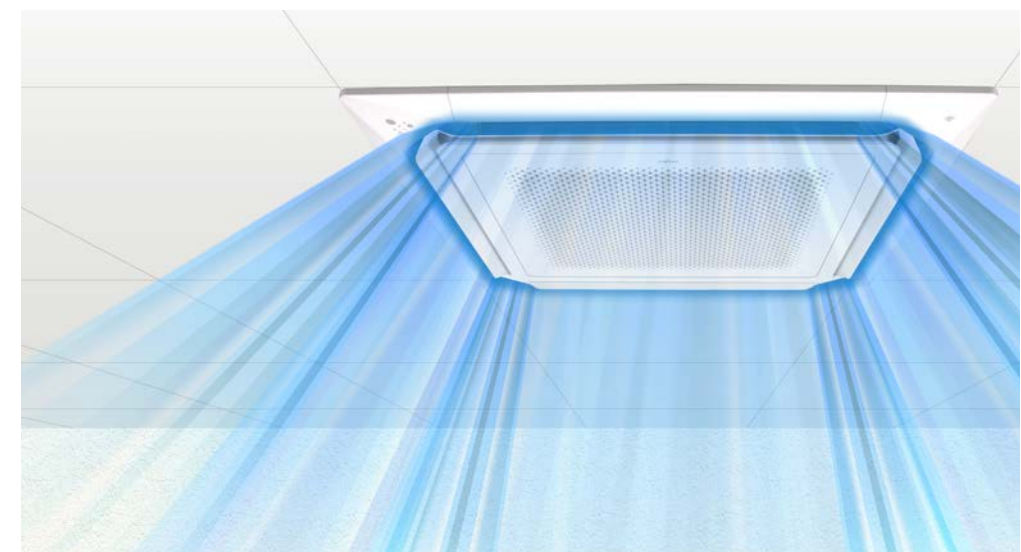
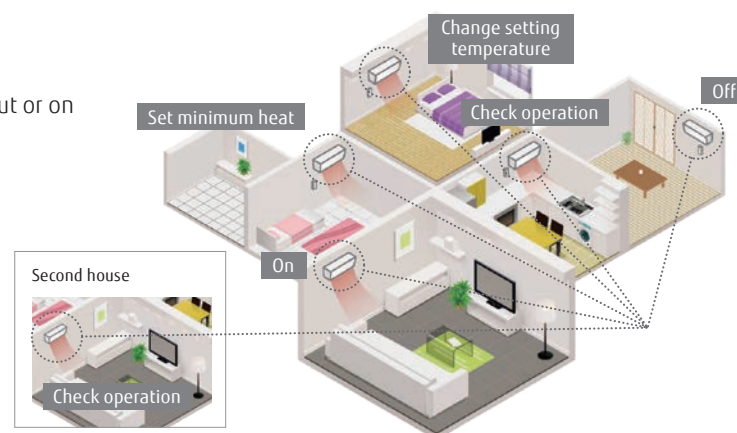
Power diffuser

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



Wireless LAN control

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



Uniform air conditioning

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



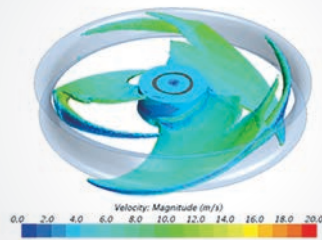
Quiet and Comfort Control



Low Noise Technology

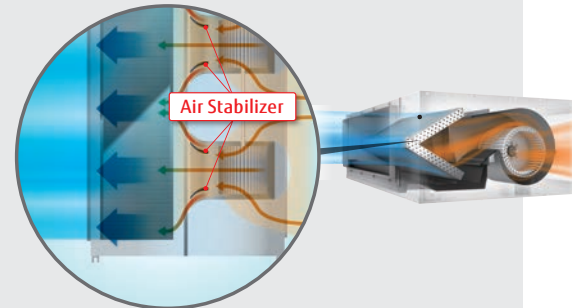
Outdoor unit fan

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



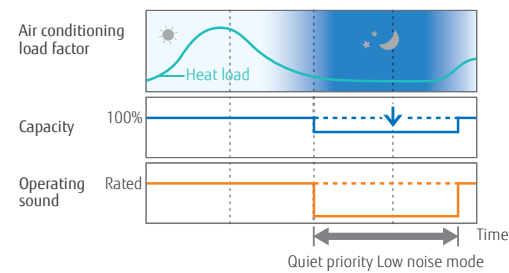
Air stabilizer in Duct

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



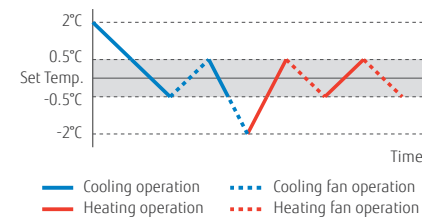
Outdoor unit low noise operation

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



Auto changeover

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



Fresh air intake for Cassette, Duct, Ceiling

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



Feature Explanation

Energy-Saving Features

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

Features for Comfort

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

Convenience Features

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

Clean Features

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

Installation / Support

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



All DC models

Wall-mounted type

Built-in WLAN adapter model
Designer Range
High Spec & Design

KG Series

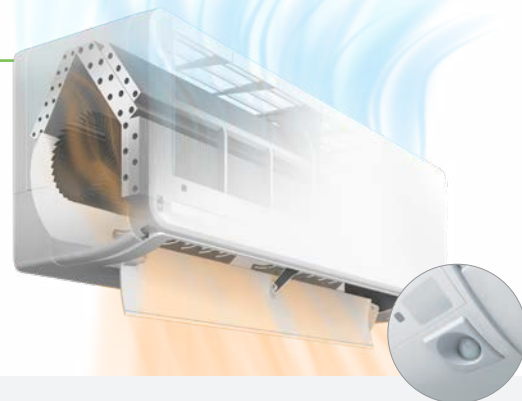


High energy saving

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

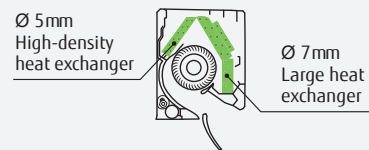
Rank **A+++*** SEER **9.80*** SCOP **5.20***

*07/09/12 models *07 model *07/09/12 models



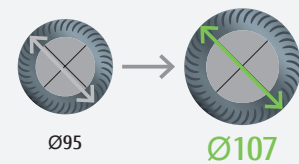
Hybrid-heat exchanger

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.



Smart device control

A WLAN adapter is included as standard equipment. By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

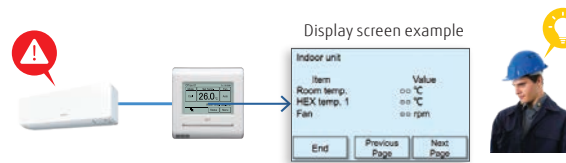
* See page C-020 for details on smart device control.



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-RNRG25 or UTY-RVRG) is required.



Model: ASHH07KGTG / ASHH09KGTG / ASHH12KGTG / ASHH14KGTG



Specifications

Model name	Indoor unit		ASHH07KGTG	ASHH09KGTG	ASHH12KGTG	ASHH14KGTG
	Outdoor unit		AOHH07KGGC	AOHH09KGGC	AOHH12KGGC	AOHH14KGGC
Power Source	Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	2.0	2.5	3.4	4.2
		Min.-Max.	0.9-3.3	0.9-3.6	0.9-4.1	0.9-4.5
	Heating	Rated	2.5	2.8	4.0	5.4
Min.-Max.		0.9-5.2	0.9-5.4	0.9-6.1	0.9-6.4	
Input Power	Cooling/Heating	kW	0.400 / 0.500	0.550 / 0.600	0.870 / 0.910	1.220 / 1.450
EER	Cooling		5.00	4.55	3.91	3.44
	Heating	W/W	5.00	4.67	4.40	3.72
COP	Cooling		5.00	4.67	4.40	3.72
	Heating	W/W	5.00	4.67	4.40	3.72
Pdesign	Cooling/Heating (-10°C)	kW	2.0 / 2.3	2.5 / 2.4	3.4 / 2.5	4.2 / 4.0
SEER	Cooling		9.80	9.40	8.80	8.00
	Heating (Average)	W/W	5.20	5.20	5.20	4.60
SCOP	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	71	93	135	184
	Heating		618	646	673	1,217
Moisture Removal		l/h	1.1	1.3	1.6	1.7
	Indoor (Cooling)	H/M/L/Q	36 / 32 / 29 / 19	38 / 34 / 29 / 19	40 / 35 / 30 / 19	43 / 36 / 30 / 20
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	38 / 34 / 31 / 20	39 / 34 / 31 / 20	42 / 38 / 33 / 21	44 / 39 / 33 / 24
	Outdoor (Cooling/Heating)	High	42 / 43	44 / 45	50 / 50	50 / 50
Sound Power Level	Indoor (Cooling/Heating)	High	49 / 51	52 / 52	56 / 58	57 / 59
	Outdoor (Cooling/Heating)	High	56 / 56	58 / 58	65 / 66	65 / 66
Airflow Rate	Indoor/Outdoor (Cooling)	High	570 / 1,390	640 / 1,480	680 / 1,800	750 / 1,800
	Indoor/Outdoor (Heating)	High	610 / 1,350	630 / 1,420	750 / 1,690	780 / 1,690
Net Dimensions	Indoor	mm	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215
	Outdoor	mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor	kg	10	10	10	10
	Outdoor	kg	30	30	31	32
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Drain Hose Diameter (I.D./O.D.)		13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)
Max. Height Difference			15	15	15	15
Operating Range	Cooling	°CDB	-10 to 50	-10 to 50	-10 to 50	-10 to 50
	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

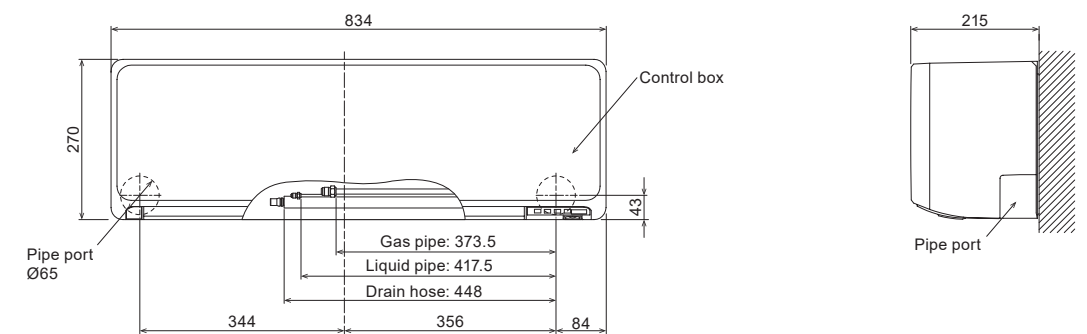
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type): UTY-RVRG	Simple remote controller: UTY-RSRG	Network Converter for single split (DC power supply type): UTY-VTGX
Compact wired remote controller: UTY-RCRG21	External switch controller: UTY-TERX	Network Converter for single split (AC power supply type): UTY-VTGXV
Wired remote controller (touch panel): UTY-RNRG25	Communication kit: UTY-TWRXZ2	Silver Ion filter: UTR-FA16-5
Wired remote controller: UTY-RLRG	External connect kit: UTY-XWZX	External input and output PCB*: UTY-XCSXZ2
Simple remote controller (without operation mode): UTY-RHRG	UTY-XWZX25	

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

Dimensions

(Unit: mm)



Wall-mounted type

Built-in WLAN adapter model
Designer Range
Cool Beauty Design



Cool beauty design

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



CMF: COLOR MATERIAL FINISH

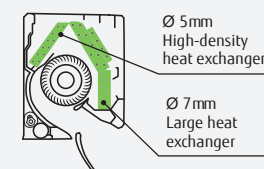
The texture of the front panel expresses the craftsmanship of Europe, and changes its expression with the changing light of the day.

High energy saving

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



Hybrid-heat exchanger



Ø107 Large cross-flow fan



Smart device control

A WLAN adapter is included as standard equipment. By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

* See page C-020 for details on smart device control.



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.



Model: ASHG07KETF / ASHG09KETF / ASHG12KETF / ASHG14KETF (Peal white X White)
ASHG07KETF-B / ASHG09KETF-B / ASHG12KETF-B / ASHG14KETF-B (Silver X Dark gray)



Specifications

Model name	Indoor unit		ASHG07KETF ASHG07KETF-B	ASHG09KETF ASHG09KETF-B	ASHG12KETF ASHG12KETF-B	ASHG14KETF ASHG14KETF-B
	Outdoor unit		AOHG07KETA	AOHG09KETA	AOHG12KETA	AOHG14KETA
Power Source	Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	2.0	2.5	3.4	4.2
		Min.-Max.	0.9 - 3.0	0.9 - 3.2	0.9 - 3.9	0.9 - 4.4
	Heating	Rated	2.5	2.8	4.0	5.4
		Min.-Max.	0.9 - 3.4	0.9 - 4.0	0.9 - 5.3	0.9 - 6.0
Input Power	Cooling/Heating	kW	0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
EER	Cooling	W/W	4.43	3.97	3.65	3.44
COP	Heating	W/W	4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating (-10°C)	kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling	W/W	7.40	7.30	7.30	6.90
SCOP	Heating (Average)	W/W	4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling	kWh/a	95	118	163	213
	Heating	kWh/a	785	819	795	1,367
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/46	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	55/58	57/59
Airflow Rate	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 x 950 (wall side: 840) x 230			
	Outdoor	mm	541 x 663 x 290	541 x 663 x 290	541 x 663 x 290	542 x 799 x 290
Weight	Indoor	kg	11	11	11	11.5
	Outdoor	kg	23	23	25	31
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain Hose Diameter (I.D./O.D.)		mm	13.8/15.0 to 16.8	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			15	15	15	15
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
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

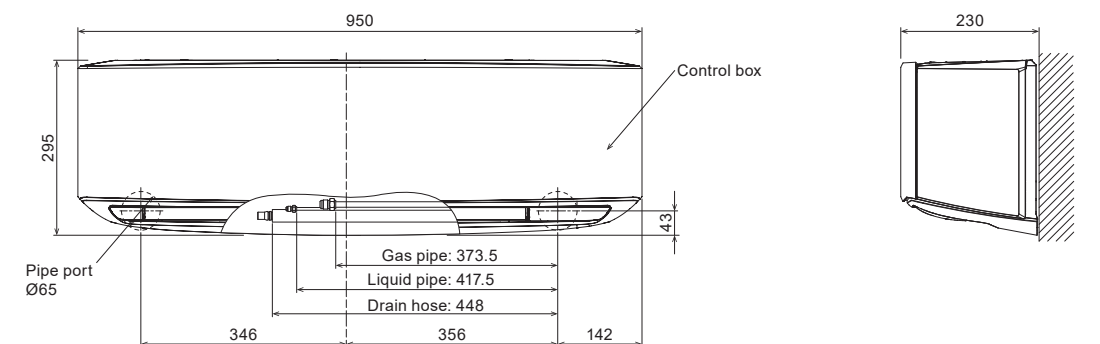
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	Simple remote controller:	UTY-RSRG	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	Communication kit:	UTY-TWRXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ5	External connect kit:	UTY-XWZX	Silver Ion filter:	UTR-FAT6-5
Wired remote controller:	UTY-RLRG		UTY-XWZXZ5	External input and output PCB*1:	UTY-XCSXZ2
Simple remote controller (without operation mode):	UTY-RHRG	External switch controller:	UTY-TERX		

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

Dimensions

(Unit: mm)



Wall-mounted type

Built-in WLAN adapter model
Standard Range
High-Efficiency & Comfort

KM Series



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.



Warm & gentle color option

Both white and soft black color are relatively gentle tones and no strong contrast, each color harmonize with the environment and create a warm atmosphere.

High energy saving

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

Rank Cooling A++ Heating A++*

SEER 8.40* SCOP 4.60*

*07/09/12 models

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.

Quiet & Comfort
20 dB(A)
Cooling only

Smart device control

A WLAN adapter is included as standard equipment. By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

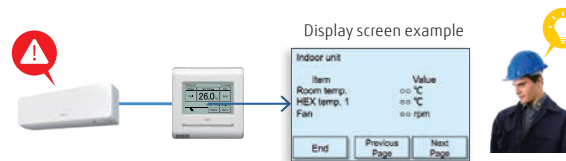
* See page C-020 for details on smart device control.



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-RNRGZ5 or UTY-RVRG) is required.



Model: ASHH07KMCG / ASHH09KMCG / ASHH12KMCG / ASHH14KMCG
ASHH07KMCG-B / ASHH09KMCG-B / ASHH12KMCG-B / ASHH14KMCG-B



Specifications

Model name	Indoor unit		ASHH07KMCG / ASHH07KMCG-B		ASHH09KMCG / ASHH09KMCG-B		ASHH12KMCG / ASHH12KMCG-B		ASHH14KMCG / ASHH14KMCG-B	
	Outdoor unit		AOHH07KMCG		AOHH09KMCG		AOHH12KMCG		AOHH14KMCG	
Power Source	Single phase, ~230 V, 50 Hz									
Capacity	Cooling	Rated	2.0		2.5		3.4		4.2	
		Min.-Max.	0.9-3.0		0.9-3.2		0.9-3.9		0.9-4.4	
Capacity	Heating	Rated	2.5		2.8		4.0		5.4	
		Min.-Max.	0.9-3.4		0.9-4.0		0.9-5.3		0.9-6.0	
Input Power	Cooling/Heating	kW	0.450 / 0.555		0.650 / 0.620		0.960 / 1.020		1.220 / 1.410	
EER	Cooling	W/W	4.43		3.85		3.54		3.44	
COP	Heating	W/W	4.52		4.52		3.92		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	8.40		8.40		7.70		7.10	
SCOP	Heating (Average)	W/W	4.60		4.60		4.60		4.10	
Energy Efficiency Class	Cooling		A++		A++		A++		A++	
	Heating (Average)		A++		A++		A++		A+	
Max. Operating Current	Cooling/Heating	A	6.5 / 9.0		6.5 / 9.0		6.5 / 9.0		6.5 / 9.0	
Annual Energy Consumption	Cooling	kWh/a	83		104		155		207	
	Heating	kWh/a	700		730		761		1,366	
Moisture Removal		l/h	1.0		1.3		1.8		2.1	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38 / 33 / 29 / 20		40 / 34 / 29 / 20		40 / 35 / 30 / 20		43 / 36 / 30 / 20	
	Indoor (Heating)	H/M/L/Q	41 / 35 / 31 / 22		42 / 36 / 31 / 22		42 / 38 / 33 / 22		44 / 39 / 33 / 24	
Sound Power Level	Outdoor (Cooling/Heating)	High	46 / 46		46 / 46		50 / 50		50 / 50	
	Indoor (Cooling/Heating)	High	54 / 56		55 / 57		55 / 58		57 / 59	
Airflow Rate	Indoor/Outdoor (Cooling)	High	650 / 1,650		700 / 1,650		700 / 1,700		770 / 1,680	
	Indoor/Outdoor (Heating)	High	720 / 1,450		750 / 1,450		780 / 1,470		820 / 1,580	
Net Dimensions H x W x D	Indoor	mm	270 x 834 x 215		270 x 834 x 215		270 x 834 x 215		270 x 834 x 215	
	Outdoor	mm	541 x 663 x 290		541 x 663 x 290		541 x 663 x 290		542 x 799 x 290	
Weight	Indoor	kg	10		10		10		10	
	Outdoor	kg	22		22		24		31	
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 9.52		6.35 / 9.52		6.35 / 9.52		6.35 / 9.52	
Drain Hose Diameter (I.D./O.D.)		mm	13.8 / 15 to 16.8		13.8 / 15 to 16.8		13.8 / 15 to 16.8		13.8 / 15 to 16.8	
Max. Pipe Length (Pre-Charge)		m	20 (15)		20 (15)		20 (15)		20 (15)	
Max. Height Difference			15		15		15		15	
Operating Range	Cooling	°CDB	-10 to 50		-10 to 50		-10 to 50		-10 to 50	
	Heating	°CDB	-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)	0.60 (0.405)		0.60 (0.405)		0.70 (0.473)		0.85 (0.574)	

Optional parts

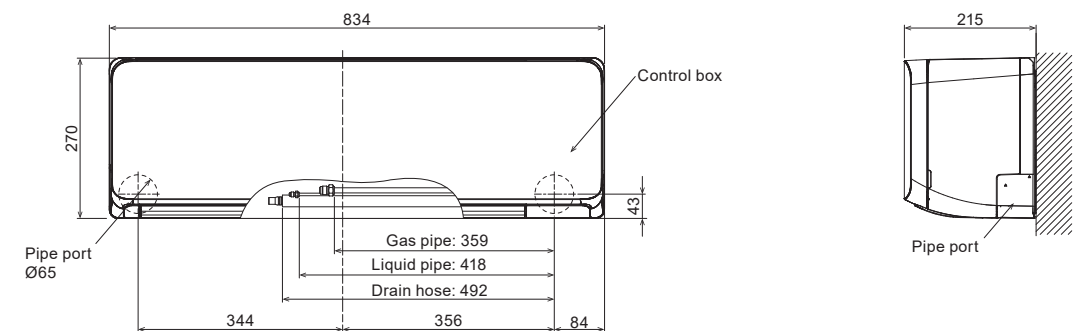
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type): UTY-RVRG	Simple remote controller: UTY-RSRG	Network Converter for single split (DC power supply type): UTY-VTGX
Compact wired remote controller: UTY-RCRGZ1	Communication kit: UTY-TWRXZ2	Network Converter for single split (AC power supply type): UTY-VTGXV
Wired remote controller (touch panel): UTY-RNRGZ5	External connect kit: UTY-XWZX	Silver Ion filter: UTR-FA16-5
Wired remote controller: UTY-RLRG	External switch controller: UTY-XWZX5	External input and output PCB*: UTY-XCSXZ2
Simple remote controller (without operation mode): UTY-RHRG	External switch controller: UTY-TERX	

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

Dimensions

(Unit: mm)



Wall-mounted type

Built-in WLAN adapter model
ECO Range
Compact Size



Elegant & smart square design

An elegant and smart type in the eco range. The delicate shading of the ridge line makes the unit an accessory for the room.



High energy saving

The size of the heat exchanger has increased to improve performance, making it more powerful despite its compact size.

Rank Cooling A++ Heating A+

SEER 7.8* SCOP 4.4

* 07 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.

Quiet & Comfort

20 dB(A)

Cooling only

Smart device control

A WLAN adapter is included as standard equipment. By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

* See page C-020 for details on smart device control.

AIRSTAGE Mobile

"ON" before returning home.

Highly efficient operation even at high outdoor temperatures

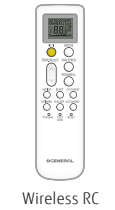
Operation Range MAX 50°C (Cooling operation)

Even when installed in areas with high outdoor air temperatures (Max. 50°C*), it is comfortable because it can cool the interior well.

* suction temperature of the outdoor unit



Model: ASHH07KNCA / ASHH09KNCA / ASHH12KNCA



Specifications

Model name	Indoor unit		kW	ASHH07KNCA	ASHH09KNCA	ASHH12KNCA
	Outdoor unit			A0HH07KNCA	A0HH09KNCA	A0HH12KNCA
Power Source			Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	2.0	2.5	3.4	
		Min.-Max.	0.9-2.9	0.9-3.1	0.9-3.8	
	Heating	Rated	2.5	2.8	3.8	
Min.-Max.		0.9-3.4	0.9-4.0	0.9-4.8		
Input Power	Cooling/Heating		kW	0.50 / 0.58	0.74 / 0.70	1.05 / 1.02
EER	Cooling			4.00	3.38	3.24
		Heating			4.31	4.00
Pdesign	Cooling/Heating (-10°C)		kW	2.0 / 2.3	2.5 / 2.4	3.4 / 2.5
SEER	Cooling			7.8	7.4	7.0
		Heating (Average)			4.4	4.4
Energy Efficiency Class	Cooling				A++	A++
		Heating (Average)			A+	A+
Max. Operating Current	Cooling/Heating		A	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0
Annual Energy Consumption	Cooling			90	118	170
		Heating			731	763
Moisture Removal			l/h	1.0	1.0	1.4
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	36 / 33 / 29 / 20	38 / 35 / 29 / 20	40 / 36 / 32 / 20
	Indoor (Heating)	H/M/L/Q		38 / 33 / 30 / 22	38 / 33 / 30 / 22	39 / 35 / 31 / 22
Sound Power Level	Outdoor (Cooling/Heating)	High	dB(A)	43 / 44	44 / 45	49 / 49
	Indoor (Cooling/Heating)	High		51 / 52	53 / 52	55 / 53
Airflow Rate	Outdoor (Cooling/Heating)	High	m³/h	53 / 54	56 / 56	60 / 61
	Indoor/Outdoor (Cooling)	High		530 / 1,430	580 / 1,430	600 / 1,460
Net Dimensions	Indoor	mm	mm	580 / 1,390	580 / 1,390	600 / 1,360
	Outdoor	mm		270 × 784 × 222	270 × 784 × 222	270 × 784 × 222
Weight	Indoor	kg	kg	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290
	Outdoor	kg		9	9	24
Connection Pipe Diameter (Liquid/Gas)			mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
Drain Hose Diameter (I.D./O.D.)			mm	13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max. Height Difference			m	15	15	15
Operating Range	Cooling	°CDB	°CDB	-10 to 50	-10 to 50	-10 to 50
	Heating	°CDB		-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		kg (CO2eq-T)	R32 (675)	R32 (675)	R32 (675)
	Charge			0.57 (0.385)	0.57 (0.385)	0.65 (0.439)

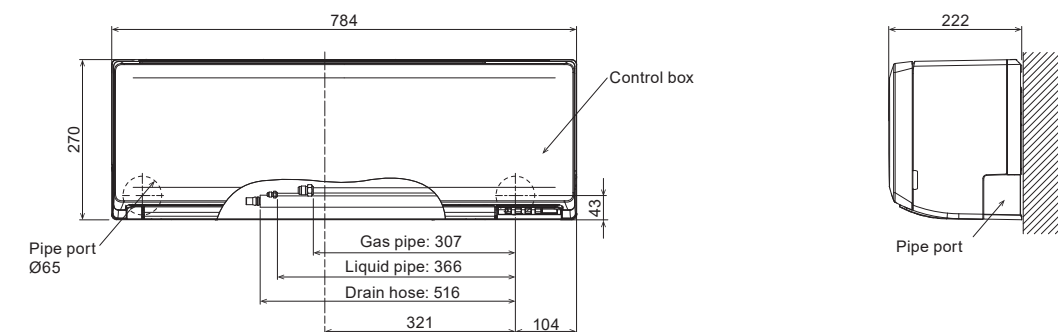
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)



Wall-mounted type

Standard Range

High-Efficiency & Large Rooms



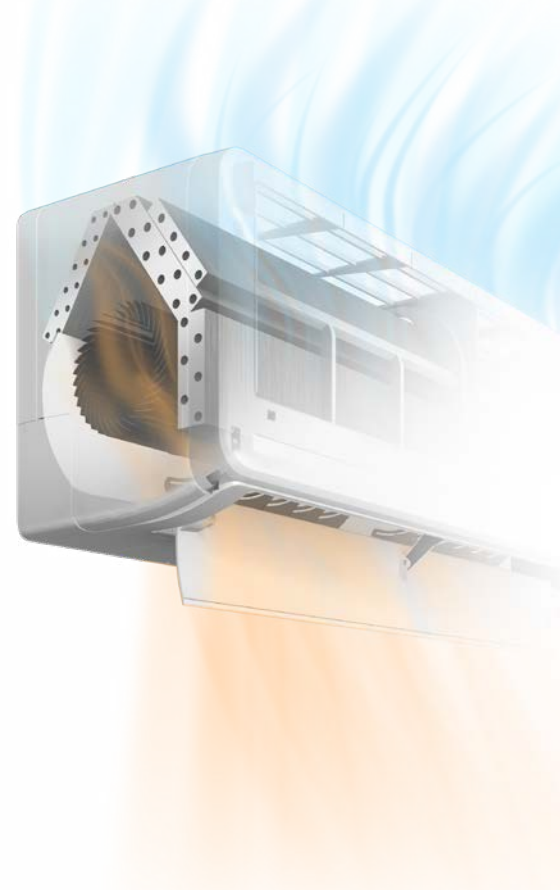
KM Series



High energy saving

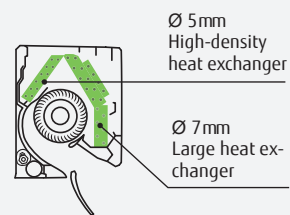
High-efficiency has been achieved by the lambda-shaped heat exchanger, large cross-flow fan, and the new refrigerant.

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



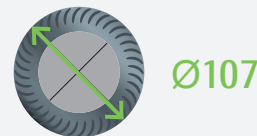
Hybrid-heat exchanger

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



Ø107 Large cross-flow fan

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



Smart device control (Option)

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

* For more information about smart device control, please refer to the page C-020.

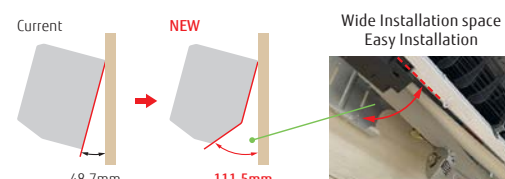


You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.



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: ASHG18KMTE / ASHG24KMTE



Specifications

Model name	Indoor unit		ASHG18KMTE		ASHG24KMTE	
	Outdoor unit		AOHG18KMTA		AOHG24KMTA	
Power Source						
Single phase, ~230 V, 50 Hz						
Capacity	Cooling	Rated	kW	5.2	7.1	
		Min.-Max.		0.9-6.0	0.9-8.3	
	Heating	Rated	6.3	8.0		
Min.-Max.		0.9-8.7	0.9-10.1			
Input Power	Cooling/Heating		kW	1.39/1.56	2.08/1.91	
EER	Cooling			3.74	3.41	
COP	Heating		W/W	4.04	4.19	
Pdesign	Cooling/Heating (-10°C)		kW	5.2/4.8	7.1/7.1	
SEER	Cooling		W/W	7.77	7.30	
SCOP	Heating (Average)			4.60	4.20	
Energy Efficiency Class	Cooling			A++	A++	
	Heating (Average)			A++	A+	
Max. Operating Current	Cooling/Heating		A	9.5/13.5	13.5/16.0	
Annual Energy Consumption	Cooling		kWh/a	234	340	
	Heating			1,460	2,362	
Moisture Removal			l/h	1.7	2.7	
	Indoor (Cooling)	H/M/L/Q		45/40/35/29	49/40/35/29	
Sound Pressure Level	Indoor (Heating)	H/M/L/Q		46/40/35/29	49/40/35/29	
	Outdoor (Cooling/Heating)	High	dB(A)	50/50	54/52	
Sound Power Level	Indoor (Cooling/Heating)	High		60/61	65/65	
	Outdoor (Cooling/Heating)	High		65/65	67/66	
Airflow Rate	Indoor/Outdoor (Cooling)	High	m ³ /h	980/2,350	1,170/3,240	
	Indoor/Outdoor (Heating)	High		1,020/2,100	1,170/2,820	
Net Dimensions H x W x D	Indoor	mm		280 x 980 x 240	280 x 980 x 240	
	Outdoor	mm		632 x 799 x 290	716 x 820 x 315	
Weight	Indoor	kg		12.5	12.5	
	Outdoor	kg		36	42	
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/12.70	6.35/12.70	
Drain Hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	
Max. Pipe Length (Pre-Charge)			m	25 (15)	30 (15)	
Max. Height Difference				20	25	
Operating Range	Cooling	°CDB		-10 to 46	-10 to 46	
	Heating			-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	
	Charge	kg (CO ₂ eq-T)		1.02 (0.689)	1.32 (0.891)	

Optional parts

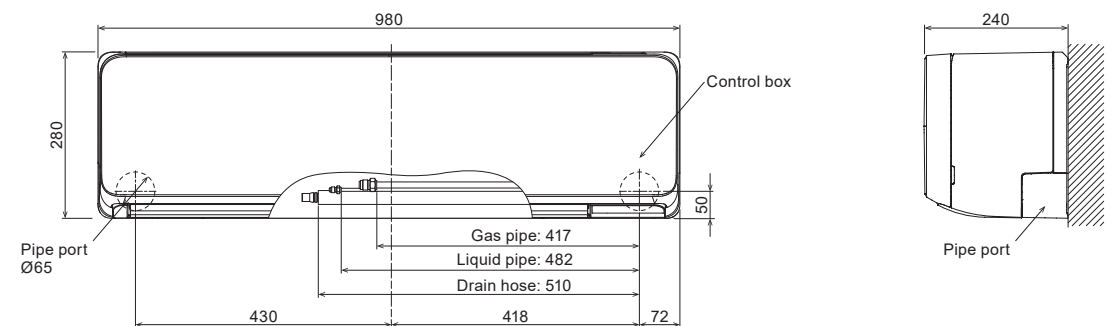
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	External connect kit:	UTY-XWZX25	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRG21	Communication kit:	UTY-TWRXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ5	External input and output PCB*1:	UTY-XCSXZ2	Silver Ion filter:	UTR-FA16-5
Wired remote controller:	UTY-RLRG	WLAN adapter:	UTY-TFSXF2	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRG		UTY-TFSXH3		
Simple remote controller:	UTY-RSRG		FG-AC-WIF1Z1		

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

Dimensions

(Unit: mm)



Wall-mounted type

Standard Range

High-Efficiency & Large Rooms



KM Series



Special Cooling

When it is necessary to be constantly cooled such as rooms with a high heat load, it is possible to operate the cooling with keeping performance even when the outside temperature is low.

- *Wired remote controller (UTY-RNRGZ5) is required.
- *Please note that we will not provide compensation for any damages suffered to your appliances or data as a result of using this function.
- *Please use it in low-humidity environments.
- Condensation and other problems may be caused when used in high-humidity environments.



Human sensor

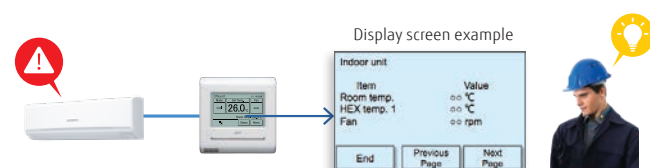
The Human sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



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-RNRGZ5 or UTY-RVRG) is required.



Smart device control (Option)

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

* For more information about smart device control, please refer to the page C-020.



Model: ASHH30KMTB / ASHH36KMTB



Wireless RC



Specifications

Model name	Indoor unit		ASHH30KMTB		ASHH36KMTB	
	Outdoor unit		AOHH30KMTB		AOHH36KMTB	
Power Source			Single phase, ~230V, 50Hz			
Capacity	Cooling	Rated	8.0		9.4	
		Min.-Max.	2.9-9.0		2.9-10.0	
	Heating	Rated	8.8		10.1	
Min.-Max.		2.2-11.8		2.7-12.6		
Input Power	Cooling/Heating	kW	2.33/2.20		3.16/2.73	
EER	Cooling		3.43		2.97	
COP	Heating	W/W	4.00		3.70	
Pdesign	Cooling/Heating (-10°C)	kW	8.0/6.5		9.4/7.1	
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		1,994		2,189	
Moisture Removal			2.6		3.8	
	Indoor (Cooling)	H/M/L/Q	50/44/40/33		50/44/40/33	
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	49/44/39/33		49/44/39/33	
	Outdoor (Cooling/Heating)	High	53/55		55/55	
Sound Power Level	Indoor (Cooling/Heating)	High	65/65		65/65	
	Outdoor (Cooling/Heating)	High	68/69		70/70	
Airflow Rate	Indoor/Outdoor (Cooling)	High	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 x 1,150 x 280		340 x 1,150 x 280	
	Outdoor	mm	788 x 940 x 320		788 x 940 x 320	
Weight	Indoor	kg	18.5		18.5	
	Outdoor	kg	52.0		52.0	
Connection Pipe Diameter (Liquid/Gas)			9.52/15.88		9.52/15.88	
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)			50(30)		50(30)	
Max. Height Difference			30		30	
Operating Range	Cooling	°CDB	-15to46		-15to46	
	Heating		-15to24		-15to24	
Refrigerant	Type (Global Warming Potential)		R32(675)		R32(675)	
	Charge		kg (CO2eq-T)	1.90(1.283)		1.90(1.283)

Optional parts

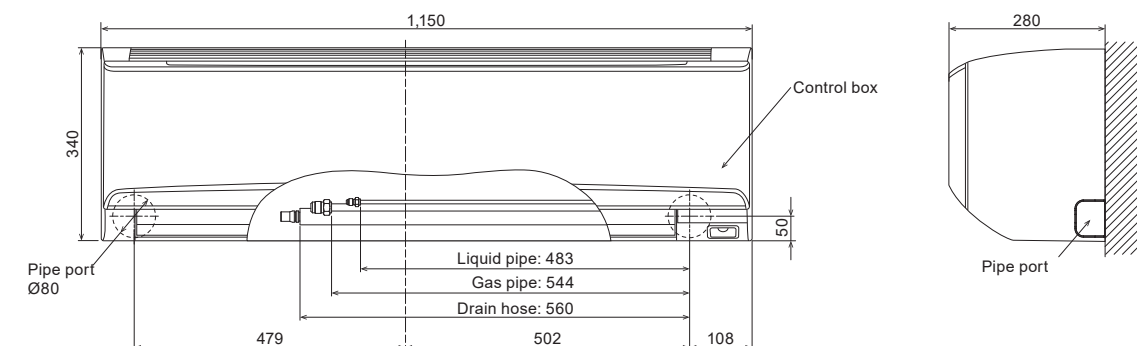
* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	External connect kit:	UTY-XWZX25	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	Communication kit:	UTY-TWRXZ2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ5	External input and output PCB*1:	UTY-XCSXZ2	Silver Ion Filter:	UTR-FA13-3
Wired remote controller:	UTY-RLRG	WLAN adapter:	UTY-TFSXF2	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRG		UTY-TFSXH3		
Simple remote controller:	UTY-RSRG		FG-ACWIF1Z1		

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

Dimensions

(Unit: mm)



Wall-mounted type
ECO Range
Compact Size

KP Series



Slim & stylish square design

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



High energy saving

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

Rank Cooling A++ Heating A+
SEER 6.7^{*1} SCOP 4.1^{*2}
*1: 07/09 models *2: 12 model

Comfortable airflow & Quiet operation

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



Smart device control (Option)

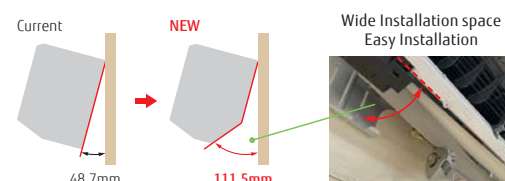
With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* For more information about smart device control, please refer to the page C-020.



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: ASHG07KPCE / ASHG09KPCE / ASHG12KPCE



Specifications

Model name	Indoor unit		Outdoor unit		ASHG07KPCE	ASHG09KPCE	ASHG12KPCE
	AOHG07KPCA		AOHG09KPCA		AOHG12KPCA		
Power Source	Single phase, ~230 V, 50 Hz						
Capacity	Cooling	Rated	kW	2.0		2.5	
		Min.-Max.		0.9-2.8		0.9-3.0	
	Heating	Rated		2.5		2.8	
Min.-Max.		0.9-3.4		0.9-3.8		0.9-4.8	
Input Power	Cooling/Heating		kW	0.48/0.63		0.71/0.79	
EER	Cooling			4.17		3.52	
COP	Heating		W/W	3.97		3.54	
Pdesign	Cooling/Heating (-10°C)		kW	2.0/2.2		2.5/2.4	
SEER	Cooling		W/W	6.70		6.70	
SCOP	Heating (Average)		W/W	4.00		4.00	
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	104		131	
	Heating			769		840	
Moisture Removal			l/h	1.0		1.3	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/38/31/22		45/38/31/22	
	Indoor (Heating)	H/M/L/Q		45/40/36/26		46/40/35/27	
Sound Power Level	Outdoor (Cooling/Heating)	High		45/46		47/47	
	Indoor (Cooling/Heating)	High		57/58		58/58	
	Outdoor (Cooling/Heating)	High		57/58		59/59	
	Indoor/Outdoor (Cooling)	High		580/1,650		580/1,650	
Airflow Rate	Indoor/Outdoor (Heating)	High	m ³ /h	580/1,450		580/1,450	
	Indoor		mm	270 × 784 × 224		270 × 784 × 224	
Net Dimensions H x W x D	Outdoor		mm	541 × 663 × 290		541 × 663 × 290	
	Indoor		kg	8		8	
Weight	Outdoor		kg	23		25	
	Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52		6.35/9.52	
Drain Hose Diameter (I.D./O.D.)			mm	11.8/15.0 to 16.8		11.8/15.0 to 16.8	
Max. Pipe Length (Pre-Charge)			m	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)		0.55 (0.371)	

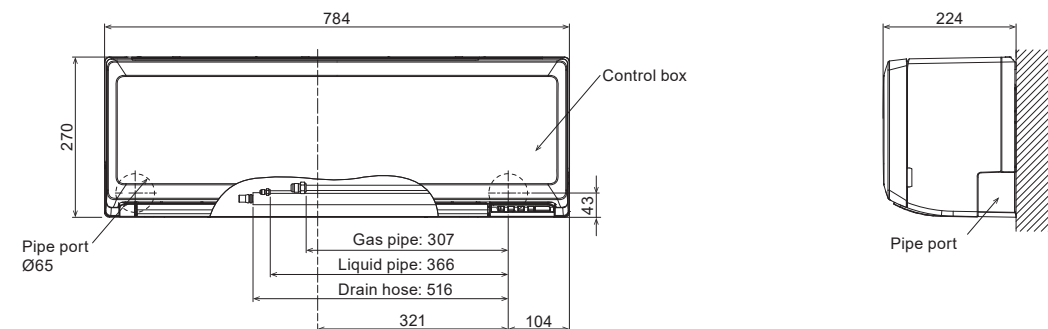
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

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

Dimensions

(Unit: mm)



Wall-mounted type
ECO Range
Comfort for Large Rooms



KL Series



Model: ASHG18KLCA / ASHG24KLCA



Wireless RC



For ASHG18KLCA



For ASHG24KLCA

Specifications

Model name	Indoor unit		Outdoor unit		ASHG18KLCA	ASHG24KLCA
	AOHG18KLCA		AOHG24KLCA			
Power Source	Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	kW	5.2		7.1
		Min.-Max.		0.9-5.5		0.9-7.7
	Heating	Rated	6.3		8.0	
Min.-Max.		0.6-7.6		0.9-9.0		
Input Power	Cooling/Heating		kW	1.685/1.80		2.42/2.225
EER	Cooling		W/W	3.09		2.93
	Heating			3.50		3.60
Pdesign	Cooling/Heating (-10°C)		kW	5.20/4.80		7.10/7.10
SEER	Cooling		W/W	7.20		7.10
	Heating (Average)			4.30		4.00
SCOP	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	Cooling		l/h	1.9		3.1
	Heating					
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	47/44/40/35		51/45/38/33
	Indoor (Heating)	H/M/L/Q		50/45/41/37		52/45/41/37
Sound Power Level	Outdoor (Cooling/Heating)	High		50/56		55/57
	Indoor (Cooling/Heating)	High		60/65		64/65
Airflow Rate	Outdoor (Cooling/Heating)	High	m³/h	61/66		65/67
	Indoor/Outdoor (Cooling)	High		865/1,830		1,040/2,885
Net Dimensions	Indoor		mm	293 × 790 × 249		293 × 790 × 249
	Outdoor			542 × 799 × 290		632 × 799 × 290
Weight	Indoor		kg	9.5		10.0
	Outdoor			33		38
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52		6.35/12.70
Drain Hose Diameter (I.D./O.D.)			mm	13.8/15.8 to 16.7		13.8/15.8 to 16.7
Max. Pipe Length (Pre-Charge)			m	25 (15)		30 (15)
Max. Height Difference				20		25
Operating Range	Cooling		°CDB	-10 to 46		-10 to 46
	Heating			-15 to 24		-15 to 24
Refrigerant	Type (Global Warming Potential)		kg (CO2eq-T)	R32 (675)		R32 (675)
	Charge			0.85 (0.574)		1.10 (0.743)

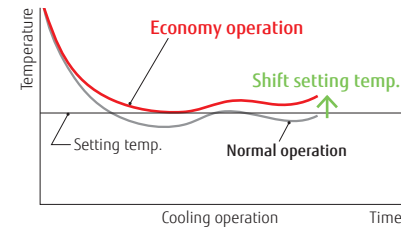
Narrow width & Compact design

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



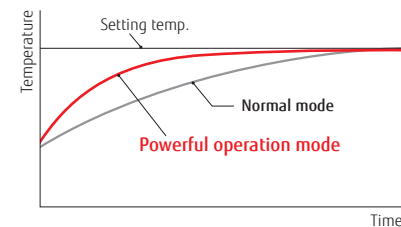
Economy operation

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

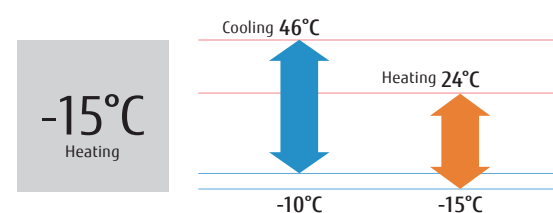
In powerful operation mode, the compressor operates at maximum speed for 20 minutes to provide a powerful airflow. Rapid cooling and heating makes the room comfortable quickly.



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



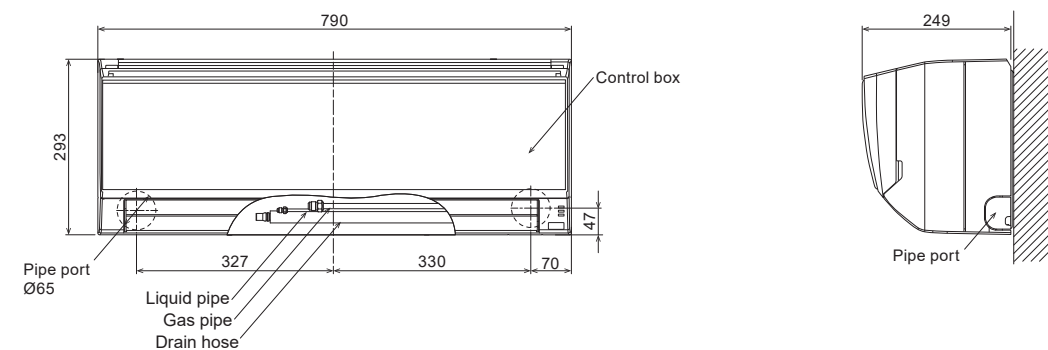
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)



Wall-mounted type
ECO Range
Cooling-enhanced type

KL Series

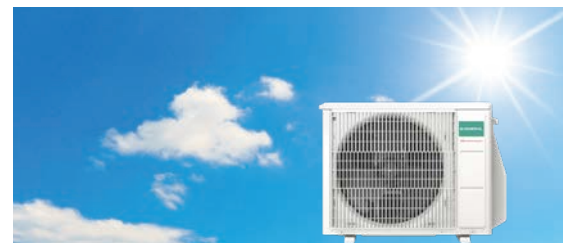


Highly efficient operation even at high outdoor temperatures

Even when installed in areas with high outdoor air temperatures (Max. 52°C*), it is comfortable because it can cool the interior well.

*suction temperature of the outdoor unit

Rank **A++**
SEER **7.1***
Operation Range **MAX 52°C**
*07 model (Cooling operation)



MINIMAL SMART design

The new smart design eliminates mechanical elements and offers a sophisticated, premium impression. Its compact size, with a width of 770 mm, allows for flexible installation in limited room space.



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.



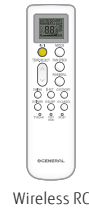
Smart device control (Option)

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

* For more information about smart device control, please refer to the page C-020.



Model: ASHH07KLTA / ASHH09KLTA / ASHH12KLTA



Specifications

Model name	Indoor unit		kW	ASHH07KLTA	ASHH09KLTA	ASHH12KLTA
	Outdoor unit			AOHH07KLTA	AOHH09KLTA	AOHH12KLTA
Power Source	Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated		2.0	2.5	3.4
		Min.-Max.		0.9-2.8	0.9-3.0	0.9-3.7
	Heating	Rated		2.4	2.5	3.4
Min.-Max.			0.9-3.3	0.9-3.5	0.9-3.7	
Input Power	Cooling/Heating		kW	0.54 / 0.64	0.76 / 0.67	1.05 / 0.915
EER	Cooling			3.70	3.29	3.24
COP	Heating		W/W	3.75	3.73	3.72
Pdesign	Cooling/Heating (-10°C)		kW	2.0 / 2.2	2.5 / 2.3	3.4 / 2.5
SEER	Cooling		W/W	7.10	6.80	6.70
SCOP	Heating (Average)		W/W	4.10	4.10	4.10
Energy Efficiency Class	Cooling			A++	A++	A++
	Heating (Average)			A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.0 / 6.0	6.0 / 6.0	7.0 / 7.0
Annual Energy Consumption	Cooling		kWh/a	99	129	178
	Heating			752	786	854
Moisture Removal			l/h	0.18	0.55	1.26
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	41 / 36 / 29 / 21	43 / 36 / 29 / 21	43 / 37 / 30 / 21
	Indoor (Heating)	H/M/L/Q		41 / 37 / 32 / 23	43 / 37 / 32 / 23	43 / 37 / 32 / 23
Sound Power Level	Outdoor (Cooling/Heating)	High	dB(A)	47 / 47	47 / 47	50 / 50
	Indoor (Cooling/Heating)	High		54 / 55	55 / 55	55 / 56
Airflow Rate	Indoor/Outdoor (Cooling)	High	m³/h	600 / 1,650	620 / 1,650	620 / 1,700
	Indoor/Outdoor (Heating)	High		600 / 1,450	620 / 1,450	640 / 1,470
Net Dimensions H x W x D	Indoor	mm		250 x 770 x 218	250 x 770 x 218	250 x 770 x 218
	Outdoor	mm		541 x 663 x 290	541 x 663 x 290	541 x 663 x 290
Weight	Indoor	kg		7.0	7.0	7.5
	Outdoor	kg		19	19	22
Connection Pipe Diameter (Liquid/Gas)			mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
Drain Hose Diameter (I.D./O.D.)			mm	13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15
Operating Range	Cooling		°CDB	10 to 52	10 to 52	10 to 52
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		kg (CO2eq-T)	R32 (675)	R32 (675)	R32 (675)
	Charge			0.53(0.358)	0.53(0.358)	0.60(0.405)

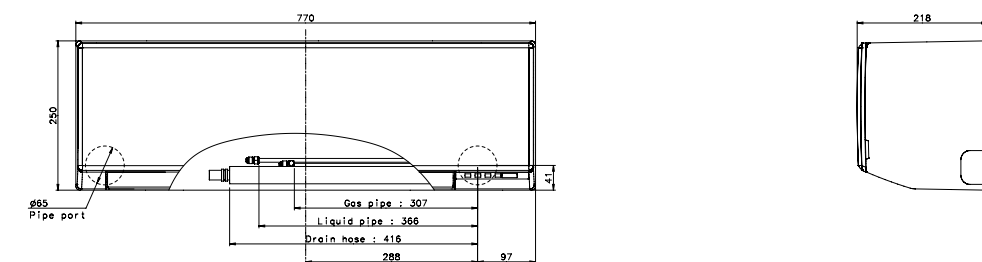
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

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

Dimensions

(Unit: mm)



Compact Cassette

Compact 4-way Flow Range
Compact Size



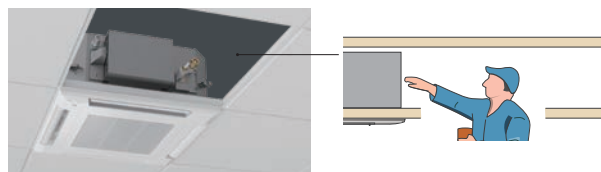
Compact and stylish panel design

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



Easy maintenance

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



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



Flexible installation

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



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

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



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



Specifications

Model name	Indoor unit		AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit		AOHG09KBTB	AOHG12KBTB	AOHG14KBTB	AOHG18KBTB	AOHG22KBTB	AOHG24KBTB
Power Source			Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	2.5	3.5	4.3	5.2	6.0	6.8
		Min.-Max.	0.9-3.2	0.9-4.4	0.9-5.4	0.9-5.9	0.9-6.7	0.9-8.0
	Heating	Rated	3.2	4.1	5.0	6.0	7.0	7.5
Min.-Max.		0.9-4.7	0.9-5.7	0.9-6.5	0.9-7.5	0.9-8.0	0.9-9.1	
EER	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
COP	Cooling	W/W	4.57	3.76	3.36	3.25	3.30	3.08
	Heating	W/W	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
	Heating (Average)	W/W	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	kWh/a	826	1,106	1,208	1,466	1,562	2,097
Moisture Removal		l/h	0.6	1.2	1.5	2.2	2.6	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/31/29/27	37/34/30/27	38/34/30/27	38/34/30/26	44/42/36/30	49/44/36/30
	Indoor (Heating)	H/M/L/Q	34/32/29/27	37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33	49/45/40/33
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	47/47	49/49	50/50	51/51	53/54
	Indoor (Cooling/Heating)	High	46/47	49/49	50/55	50/55	56/57	59/61
	Outdoor (Cooling/Heating)	High	59/59	61/61	62/62	62/62	63/63	65/66
	Indoor/Outdoor (Cooling)	High	540/1,480	600/1,580	680/1,670	680/2,160	830/2,240	930/2,700
Airflow Rate	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	15	15	15	15	16	16
	Outdoor	kg	32	33	33	36	38	42
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70	6.35/12.70
Drain Hose Diameter (I.D./O.D.)			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	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)
Cassette Grille	Model name		UTG-UFGF-W	UTG-UFGF-W	UTG-UFGF-W	UTG-UFGF-W	UTG-UFGF-W	UTG-UFGF-W
	Dimensions (H × W × D)	mm	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620
	Weight	kg	2.3	2.3	2.3	2.3	2.3	2.3

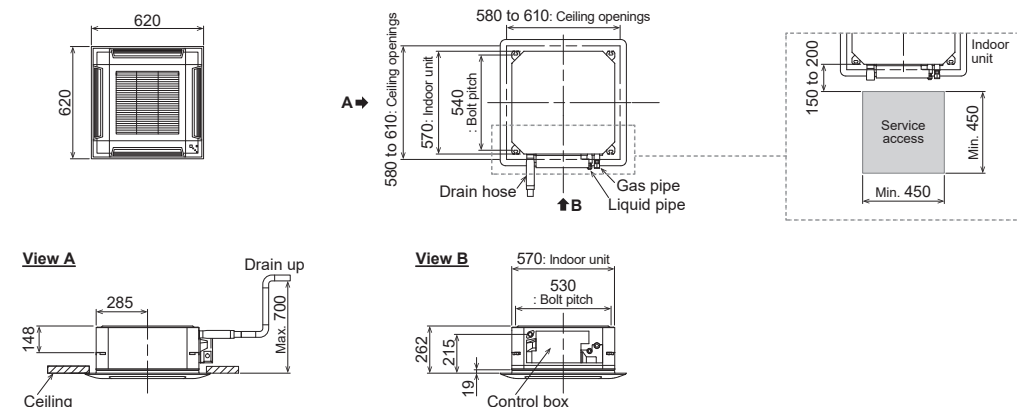
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type): UTY-RVRG	Wireless remote controller: UTY-LNTG	Network Converter for single split (DC power supply type): UTY-VTGX
Compact wired remote controller: UTY-RRCRZ1	External switch controller: UTY-TERX	Network Converter for single split (AC power supply type): UTY-VTGXV
Wired remote controller (touch panel): UTY-RNRGZ5	WLAN adapter: UTY-TFSXZ1	Insulation kit for high humidity: UTZ-KXGC
Wired remote controller: UTY-RLRG	FG-RC-WIF1Z2	External input and output PCB: UTY-XCSX
UTY-RNNGM	UTY-TFSXJ3	External input and output PCB box: UTZ-GXRA
UTY-RVNGM	FG-AC-WIF1Z1	Silver Ion Filter: UTD-HFAA
Simple remote controller (without operation mode): UTY-RHRG	Air Outlet Shutter Plate: UTR-YDZB	Fresh air intake kit: UTZ-VXAA
Simple remote controller: UTY-RSRG	Cassette Grille: UTG-UFGF-W	External connect kit: UTY-XWZXZG

Dimensions

(Unit: mm)



Slim Duct

Slim Design



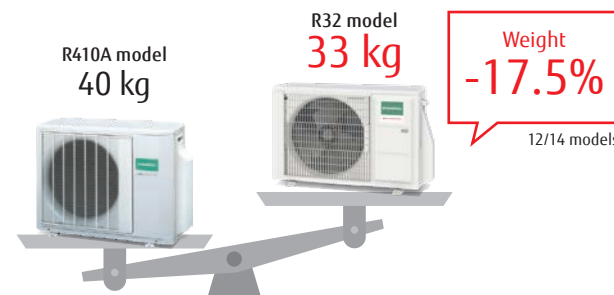
Slim design

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



Compact and lightweight outdoor unit

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



Wide range of static pressures

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



Static pressure range
0 to 90 Pa

Auto louver grille kit (Option)

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

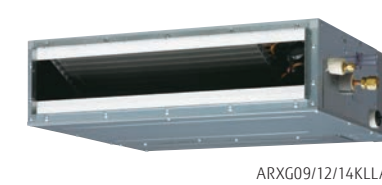


Link up with a variety of central control system (Option)

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



Model: ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP



Specifications

Model name	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOHG09KBTB	AOHG12KBTB	AOHG14KBTB	AOHG18KBTB
Power Source	Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	2.5	3.5	4.3	5.2
		Min.-Max.	0.9-3.2	0.9-4.4	0.9-5.4	0.9-5.9
	Heating	Rated	3.2	4.1	5.0	6.0
Min.-Max.		0.9-4.7	0.9-5.7	0.9-6.5	0.9-7.5	
Input Power	Cooling/Heating	kW	0.60/0.79	0.93/1.08	1.28/1.32	1.55/1.62
EER	Cooling	W/W	4.17	3.76	3.36	3.35
COP	Heating	W/W	4.05	3.80	3.79	3.70
Pdesign	Cooling/Heating (-10°C)	kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4
SEER	Cooling	W/W	6.20	6.10	5.80	6.20
SCOP	Heating	W/W	4.30	4.00	3.90	4.10
Energy Efficiency Class	Cooling		A++	A++	A+	A++
	Heating		A+	A+	A	A+
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	17	17	17	20
	Outdoor	kg	32	33	33	36
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Drain Hose Diameter (I.D./O.D.)		mm	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)

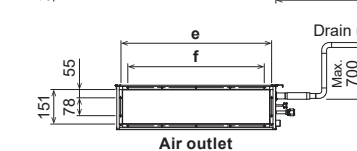
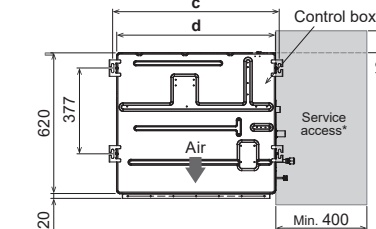
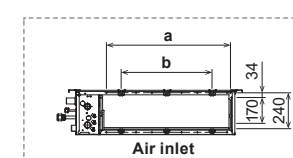
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1		FG-RC-WIF122	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ5		UTY-TFSXJ3	External connect kit:	UTY-XWZXZG
Wired remote controller:	UTY-RLRG	Silver Ion Filter:	FG-AC-WIF121	Remote sensor unit:	UTY-XS2XZ1
	UTY-RNNGM		UTD-HFTA (09-14)	Auto Louver Grille Kit:	UTD-GXTA-W (09-14)
	UTY-RVNGM		UTD-HFTB (18)		UTD-GXTB-W (18)
Simple remote controller (without operation mode):	UTY-RHRG	External switch controller:	UTY-TERX		
Simple remote controller:	UTY-RSRG	IR receiver unit:	UTY-LBTGM		

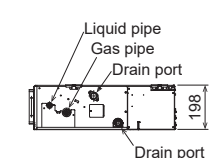
Dimensions

(Unit: mm)



	ARXG 09 / 12 / 14KLLAP	ARXG18KLLAP
a	574	774
b	P200x2=400	P200x3=600
c	734	934
d	700	900
e	650	850
f	P100x6=600	P100x8=800

*The design of the service access depends on the installation method. Refer to the installation manual for more information.



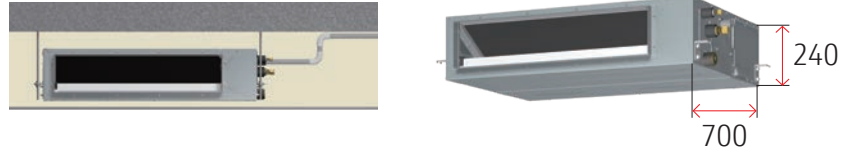
Medium Static Pressure Duct

High-Efficiency & Comfort



Slim & Compact design

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



High energy saving

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

Rank Cooling A++ Heating A+

SEER 6.50*1 SCOP 4.20*2

*1: 12/22 models *2: 12/22/24 models

Easy maintenance

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

- Easy inspection of drain hose**
The whole drain hose can be removed for easy replacement and cleaning.
- Easy cleaning of the heat exchanger**
- Filter change**
Filter can be installed and removed easily. *Long life filter is available as optional parts.

Drain hose as standard

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



Wide range of static pressures

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

Static pressure range **30 to 150 Pa**

Model: ARXH12KMTAP / ARXH14KMTAP / ARXH18KMTAP / ARXH22KMTAP / ARXH24KMTAP



Specifications

Model name	Indoor unit		ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP	ARXH24KMTAP
	Outdoor unit		AOHG12KBTB	AOHG14KBTB	AOHG18KBTB	AOHG22KBTB	AOHG24KBTB
Power Source	Single phase, ~230 V, 50 Hz						
Capacity	Cooling	Rated	3.5	4.3	5.2	6.0	6.8
		Min.-Max.	0.9-4.4	0.9-5.4	0.9-5.9	0.9-6.7	0.9-8.0
	Heating	Rated	4.1	5.0	6.0	7.0	7.5
Min.-Max.		0.9-5.7	0.9-6.5	0.9-7.5	0.9-8.0	0.9-9.1	
Input Power	Cooling/Heating	kW	0.930 / 1.080	1.260 / 1.320	1.580 / 1.740	1.67 / 1.84	1.89 / 1.87
EER	Cooling	W/W	3.76	3.40	3.30	3.60	3.60
COP	Heating	W/W	3.80	3.79	3.45	3.80	4.01
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
SEER	Cooling	W/W	6.50	6.10	6.20	6.50	6.40
SCOP	Heating (Average)	W/W	4.20	4.00	4.10	4.20	4.20
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A++
	Heating (Average)		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
Annual Energy Consumption	Cooling	kWh/a	196	255	301	331	380
	Heating	kWh/a	1,133	1,330	1,501	1,598	1,999
Moisture Removal		l/h	1.3	1.3	2.0	1.5	2.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32 / 28 / 25 / 24	34 / 30 / 28 / 26
	Indoor (Heating)	H/M/L/Q	29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32 / 28 / 25 / 24	34 / 30 / 28 / 26
Sound Power Level	Outdoor (Cooling/Heating)	High	47 / 47	49 / 49	50 / 50	51 / 51	53 / 54
	Indoor (Cooling/Heating)	High	58 / 58	59 / 59	60 / 60	58 / 58	60 / 60
Airflow Rate	Indoor (Cooling/Heating)	High	61 / 61	62 / 62	62 / 62	63 / 63	65 / 66
	Indoor/Outdoor (Cooling)	High	650 / 1,580	800 / 1,670	840 / 2,160	1,150 / 2,240	1,230 / 2,700
Static pressure range (Standard)	Indoor/Outdoor (Heating)	High	650 / 1,520	800 / 1,580	840 / 1,830	1,150 / 1,960	1,230 / 2,700
		Pa	30 to 150 (40)	30 to 150 (40)	30 to 150 (40)	30 to 150 (40)	30 to 150 (50)
Net Dimensions H x W x D	Indoor	mm	240 x 700 x 700	240 x 700 x 700	240 x 700 x 700	240 x 1,000 x 700	240 x 1,000 x 700
	Outdoor	mm	542 x 799 x 290	542 x 799 x 290	632 x 799 x 290	632 x 799 x 290	716 x 820 x 315
Weight	Indoor	kg	24	24	24	31	31
	Outdoor	kg	33	33	36	38	42
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.70	6.35 / 12.70
Drain Hose Diameter (I.D./O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (20)	30 (20)	30 (20)
Max. Height Difference			20	20	20	25	25
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		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)

Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	Silver ion filter:	UTD-HFNC (12/14/18)	External input and output PCB:	UTY-XCSX
Compact wired remote controller:	UTY-RCRGZ1		UTD-HFNB (22/24)	External input and output PCB bracket:	UTZ-GXDA
Wired remote controller (touch panel):	UTY-RNRGZ5	Long-life filter:	UTD-LFDC (12/14/18)	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RLRG		UTD-LFDB (22/24)	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple remote controller (without operation mode):	UTY-RHRG	MODBUS converter:	UTY-VMSX	External connect kit:	UTY-XWZXXG
Simple remote controller:	UTY-RSRG	KNX converter:	UTY-VKSX	IR receiver unit:	UTY-LBTGM
Remote sensor unit:	UTY-XSZX	WLAN adapter:	UTY-TFSXZ1	External switch controller:	UTY-TERX
	UTY-XSZXZ1		UTY-TFSXJ3		

Dimensions

(Unit: mm)

	ARXH 12 / 14 / 18 KMTAP	ARXH 22 / 24 KMTAP
a	650	895
b	740	1,040
c	P100 x 5 = 500	P100 x 8 = 800
d	P100 x 5 = 500	P100 x 7 = 700
e	700	1,000
f	490	790

*The design of the service access depends on the installation method. Refer to the installation manual for more information.

Medium Static Pressure Duct

High-Efficiency & Comfort



Slim & Compact design

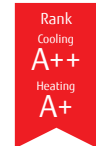
The new product has reduced the height to 240 mm, making it more compact. The slim design fits nicely into narrow spaces under the ceiling.



(Unit: mm)

High energy saving

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



SEER **6.23**^{*1}

SCOP **4.10**^{*2}

*1: 30 model

*2: 36 model

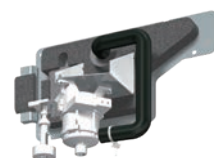
Easy maintenance

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



Drain hose as standard

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

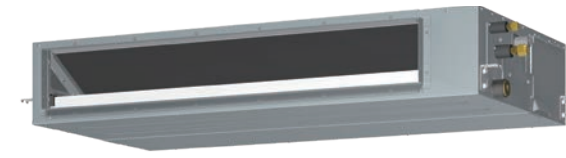


Wide range of static pressures

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

Static pressure range **30 to 150 Pa**

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



ARXH30/36/45/54KMTAP



For ARXH30/36KMTAP For ARXH45/54KMTAP

Specifications

Model name	Indoor unit			ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH54KMTAP
	Outdoor unit			AOHG30KBTB	AOHG36KBTB	AOHG45KBTB	AOHG36KRTA	AOHG45KRTA	AOHG54KRTA
Power Source	Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	8.5	9.5	12.1	9.5	12.1	13.4
		Min.-Max.		2.8-10.0	2.8-11.2	4.0-13.5	2.8-11.2	4.0-13.5	4.5-14.5
	Heating	Rated	10.0	10.8	13.5	10.8	13.5	15.5	
Min.-Max.		2.7-11.2	2.7-12.7	4.2-16.2	2.7-12.7	4.2-16.2	4.7-16.5		
Input Power	Cooling/Heating		kW	2.57 / 2.50	2.97 / 2.70	3.87 / 3.73	2.97 / 2.70	3.87 / 3.73	4.62 / 4.65
EER	Cooling		W/W	3.31	3.20	3.13	3.20	3.13	2.90
COP	Heating			4.00	4.00	3.62	4.00	3.62	3.33
Pdesign	Cooling/Heating (-10°C)		kW	8.5 / 8.0	9.5 / 8.7	-	9.5 / 8.7	-	-
SEER	Cooling		W/W	6.23	6.10	-	6.10	-	-
SCOP	Heating (Average)			4.00	4.10	-	4.10	-	-
Energy Efficiency Class	Cooling			A++	A++	-	A++	-	-
	Heating (Average)			A+	A+	-	A+	-	-
Max. Operating Current	Cooling/Heating		A	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	485	553	-	553	-	-
	Heating			2,795	2,970	-	2,970	-	-
Moisture Removal			l/h	1.8	2.0	4.0	2.0	4.0	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29	40 / 36 / 32 / 29
	Indoor (Heating)	H/M/L/Q		38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29	40 / 36 / 32 / 29
Sound Power Level	Outdoor (Cooling/Heating)	High	dB(A)	53 / 55	55 / 55	57 / 57	55 / 55	57 / 57	57 / 59
	Indoor (Cooling/Heating)	High		64 / 64	65 / 65	67 / 67	65 / 65	67 / 67	67 / 67
Airflow Rate	Indoor/Outdoor (Cooling)	High	m³/h	1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450	2,160 / 4,450
	Indoor/Outdoor (Heating)	High		1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450	2,160 / 4,450
Static pressure range (Standard)			Pa	30 to 150 (50)	30 to 150 (50)	30 to 150 (60)	30 to 150 (50)	30 to 150 (60)	30 to 150 (60)
Net Dimensions H x W x D	Indoor		mm	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700	240 × 1,400 × 700
	Outdoor		mm	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg	42	42	42	42	42	42
	Outdoor		kg	52	52	67	53	67	67
Connection Pipe Diameter (Liquid/Gas)			mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Hose Diameter (I.D./O.D.)			mm	25 / 32	25 / 32	25 / 32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)			m	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference				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
	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)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

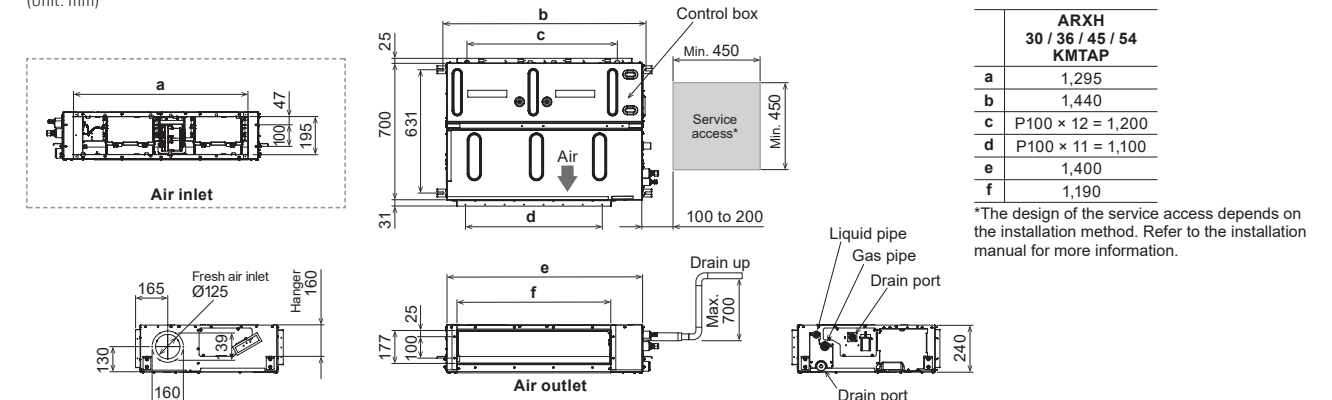
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	IR receiver unit:	UTY-LBTGM	External input and output PCB:	UTY-XCSX
Compact wired remote controller:	UTY-RCRGZ1	Silver ion filter:	UTY-HFNA	External input and output PCB bracket:	UTZ-GXDA
Wired remote controller (touch panel):	UTY-RNRGZ5	Long-life filter:	UTD-LFDA	Network Converter for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RLRG	MODBUS converter:	UTY-VMSX	Network Converter for single split (AC power supply type):	UTY-VTGXV
Simple remote controller (without operation mode):	UTY-RHRG	KNX converter:	UTY-VKSX	External connect kit:	UTY-XWZXZG
Simple remote controller:	UTY-RSRG	WLAN adapter:	UTY-TFSXZ1		
Remote sensor unit:	UTY-XSZX		UTY-TFSXJ3	(Outdoor unit)	
	UTY-XSZXZ1	External switch controller:	UTY-TERX	External connect kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)



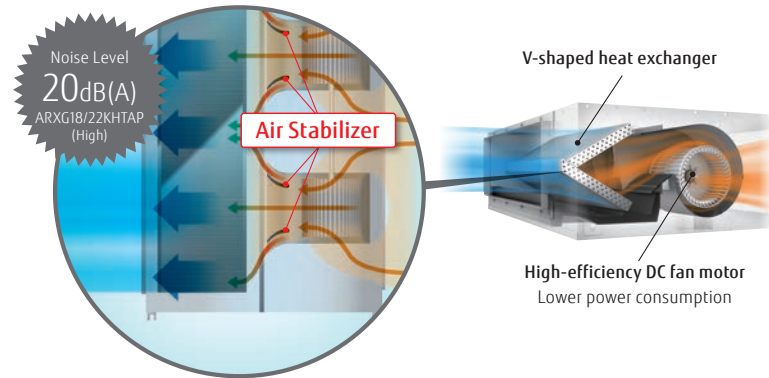
Medium Static Pressure Duct

Compact Size



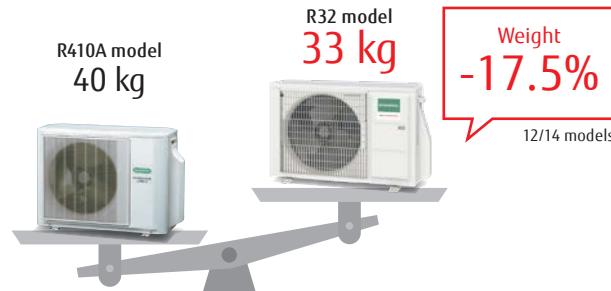
High-efficiency & Quiet operation

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



Small, lightweight outdoor unit

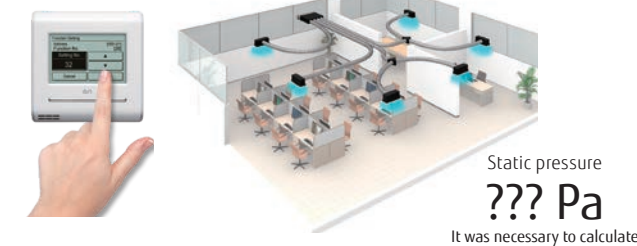
The outdoor unit in this series is smaller and lighter than previous-generation outdoor units. It can be installed in a narrow space.



Automatic airflow adjustment function

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

Automatically adjust!



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



Specifications

Model name	Indoor unit		ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP
	Outdoor unit		AOHG12KBTB	AOHG14KBTB	AOHG18KBTB	AOHG22KBTB	AOHG24KBTB	AOHG30KBTB
Power Source	Single phase, ~230 V, 50 Hz							
Capacity	Cooling	Rated	3.5	4.3	5.2	6.0	6.8	8.5
		Min.-Max.	0.9-4.4	0.9-5.4	0.9-5.9	0.9-6.7	0.9-8.0	2.8-10.0
	Heating	Rated	4.1	5.0	6.0	7.0	7.5	10.0
Min.-Max.		0.9-5.7	0.9-6.5	0.9-7.5	0.9-8.0	0.9-9.1	2.7-11.2	
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
EER	Cooling	W/W	4.02	3.68	3.82	3.51	3.60	3.21
COP	Heating	W/W	4.10	4.00	3.85	3.87	4.06	3.80
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
SEER	Cooling	W/W	6.30	6.20	6.50	6.50	6.50	6.23
SCOP	Heating (Average)	W/W	4.10	4.00	4.10	4.20	4.10	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	9.7/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6
Annual Energy Consumption	Cooling	kWh/a	194	243	280	323	366	477
	Heating	kWh/a	1,159	1,328	1,501	1,597	2,048	2,796
Moisture Removal		l/h	0.7	0.9	1.2	1.5	1.8	2.3
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29
	Outdoor (Cooling/Heating)	High	47/47	49/49	50/50	51/51	53/54	53/55
Sound Power Level	Indoor (Cooling/Heating)	High	57/58	59/60	54/54	57/57	57/57	63/65
	Outdoor (Cooling/Heating)	High	61/61	62/62	62/62	63/63	65/66	68/69
Airflow Rate	Indoor/Outdoor (Cooling)	High	850/1,580	950/1,670	1,050/2,160	1,050/2,240	1,360/2,700	1,700/3,750
	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
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)
Net Dimensions H x W x D	Indoor	mm	300 x 700 x 700	300 x 700 x 700	300 x 1,000 x 700	300 x 1,000 x 700	300 x 1,000 x 700	300 x 1,000 x 700
	Outdoor	mm	542 x 799 x 290	542 x 799 x 290	632 x 799 x 290	632 x 799 x 290	716 x 820 x 315	788 x 940 x 320
Weight	Indoor	kg	27	27	35	35	36	36
	Outdoor	kg	33	33	36	38	42	52
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70	6.35/12.70	9.52/15.88
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)	25 (15)	30 (20)	30 (20)	30 (20)	50 (30)
Max. Height Difference	Cooling		20	20	20	25	25	30
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Operating Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-t)	0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)

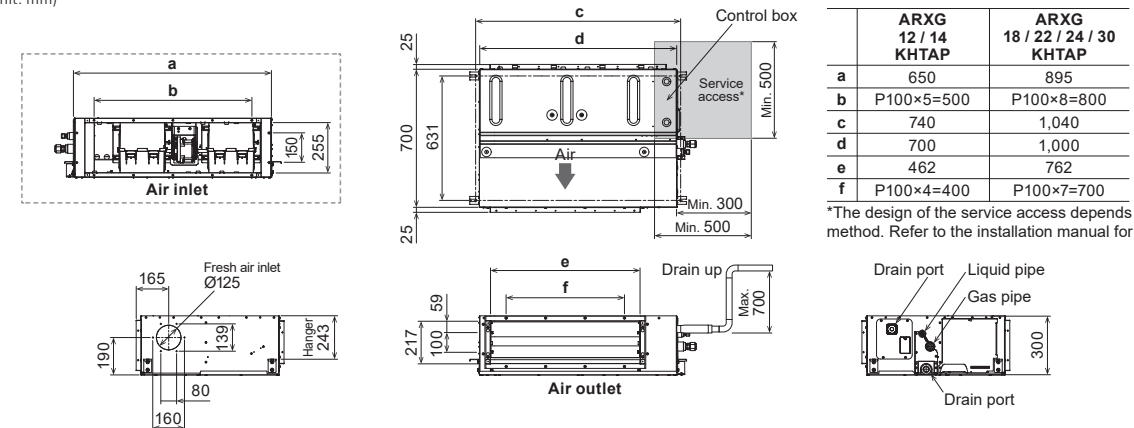
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	Long-life filter:	UTD-LFNB (18-30)	External input and output PCB:	UTY-XCSX
Compact wired remote controller:	UTY-RCRGZ1	UTD-LFNC (12-14)	UTD-LFNC (12-14)	External connect kit:	UTY-XWZXZG
Wired remote controller (touch panel):	UTY-RNRGZ5	Silver Ion Filter:	UTD-HFNB (18-30)	External input and output PCB bracket:	UTZ-GXNA
Wired remote controller:	UTY-RLRG	UTD-HFNC (12/14)	UTD-HFNC (12/14)	Network Converter for single split (DC power supply type):	UTY-VTGV
	UTY-RNNGM	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGVXV
	UTY-RVNGM	FG-RC-WIF122	FG-RC-WIF122	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRG	UTY-TFSXJ3	UTY-TFSXJ3		
Simple remote controller:	UTY-RSRG	FG-AC-WIF121	FG-AC-WIF121		
Remote sensor unit:	UTY-XSZXZ1	IR receiver unit:	UTY-LBTGM		
				(Outdoor unit 30)	
				External connect kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)



*The design of the service access depends on the installation method. Refer to the installation manual for more information.

Medium Static Pressure Duct

Compact Size



Model: ARXG36KHTAP / ARXG45KHTAP / ARXG54KHTAP
 ARXG36KHTAP [3-phase] / ARXG45KHTAP [3-phase] / ARXG54KHTAP [3-phase]

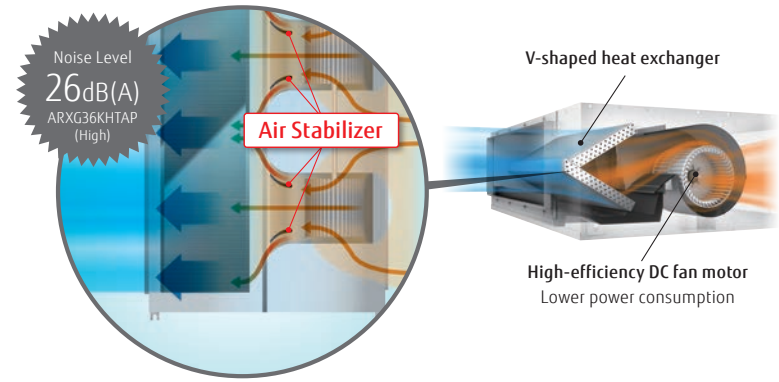


Specifications

Model name	Indoor unit			Outdoor unit				
	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	AOHG36KBTB	AOHG45KBTB	AOHG54KBTB		
Power Source	Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz				
Capacity	Cooling	Rated	9.5	12.1	13.4	9.5	12.1	13.4
		Min.-Max.	2.8-11.2	4.0-14.0	4.5-14.5	2.8-11.2	4.0-14.0	4.5-14.5
	Heating	Rated	10.8	13.5	15.5	10.8	13.5	15.5
Input Power	Cooling/Heating	Rated	2.7-12.7	4.2-16.2	4.7-16.5	2.7-12.7	4.2-16.2	4.7-16.5
		Min.-Max.	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	3.32	3.43	3.03	3.32	3.43	3.03
COP	Heating	W/W	4.35	4.01	3.98	4.35	4.01	3.98
Pdesign	Cooling/Heating (-10°C)	kW	9.5/8.7	-	-	9.5/8.7	-	-
SEER	Cooling	W/W	6.10	-	-	6.10	-	-
SCOP	Heating (Average)	W/W	4.20	-	-	4.20	-	-
Energy Efficiency Class	Cooling		A++	-	-	A++	-	-
	Heating (Average)		A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating	A	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	544	-	-	544	-	-
	Heating	kWh/a	2,898	-	-	2,898	-	-
Moisture Removal		l/h	2.0	2.6	3.7	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	36/31/28/26	39/35/31/29	39/35/31/29	36/31/28/26	39/35/31/29	39/35/31/29
	Outdoor (Cooling/Heating)	High	33/31/28/26	39/35/31/29	39/35/31/29	33/31/28/26	39/35/31/29	39/35/31/29
Sound Power Level	Indoor (Cooling/Heating)	High	55/55	57/57	57/59	55/55	57/57	57/59
	Outdoor (Cooling/Heating)	High	64/63	67/69	67/69	64/63	67/69	67/69
Airflow Rate	Indoor/Outdoor (Cooling)	High	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	1,850/3,750	2,550/4,450	2,550/4,450	1,850/3,750	2,550/4,450	2,550/4,450
Static pressure range (Standard)		Pa	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Net Dimensions H x W x D	Indoor	mm	300 x 1,400 x 700	300 x 1,400 x 700	300 x 1,400 x 700	300 x 1,400 x 700	300 x 1,400 x 700	300 x 1,400 x 700
	Outdoor	mm	788 x 940 x 320	998 x 940 x 320	998 x 940 x 320	788 x 940 x 320	998 x 940 x 320	998 x 940 x 320
Weight	Indoor	kg	46	46	46	46	46	46
	Outdoor	kg	52	67	67	53	67	67
Connection Pipe Diameter (Liquid/Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		m	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference			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
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

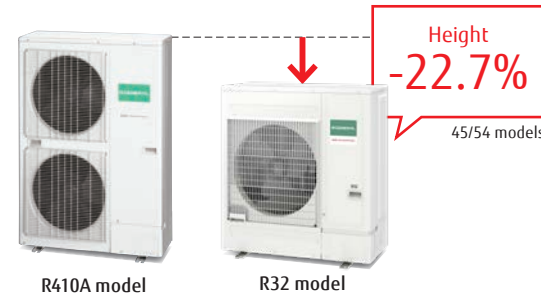
High-efficiency & Quiet operation

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

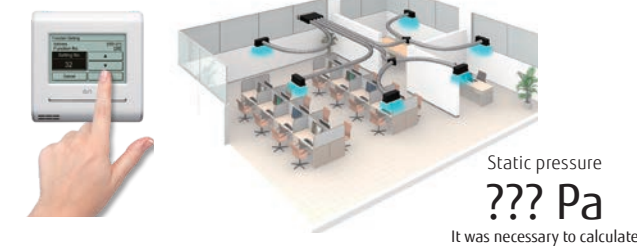
The outdoor unit in this series is smaller and lighter than previous-generation outdoor units. It can be installed in a narrow space.



Automatic airflow adjustment function

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

Automatically adjust!



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

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



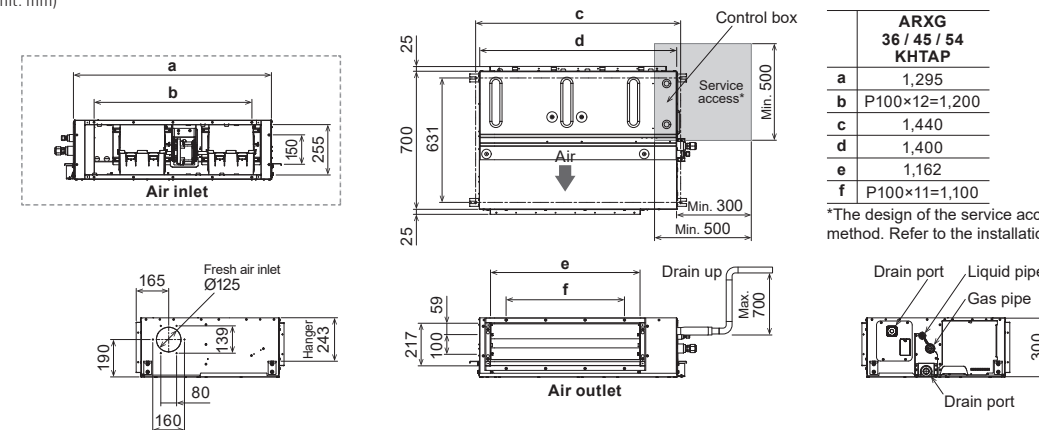
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	Long-life filter:	UTD-LFNA	External input and output PCB:	UTY-XCSX
Compact wired remote controller:	UTY-RCRGZ1	Silver Ion Filter:	UTD-HFNA	External input and output PCB bracket:	UTZ-GXNA
Wired remote controller (touch panel):	UTY-RNRGZ5		UTY-TFSXZ1	Network Inverter for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RLRG		FG-RC-WIF1Z2	Network Converter for single split (AC power supply type):	UTY-VTGXV
	UTY-RNNGM	WLAN adapter:	UTY-TFSXJ3		
	UTY-RVNGM		FG-AC-WIF1Z1	(Outdoor unit 36/45/54)	
Simple remote controller (without operation mode):	UTY-RHRG	External switch controller:	UTY-TERX	External connect kit:	UTY-XWZXZ3
Simple remote controller:	UTY-RSRG	IR receiver unit:	UTY-LBTGM		
Remote sensor unit:	UTY-XSZXZ1	External connect kit:	UTY-XWZXZG		

Dimensions

(Unit: mm)

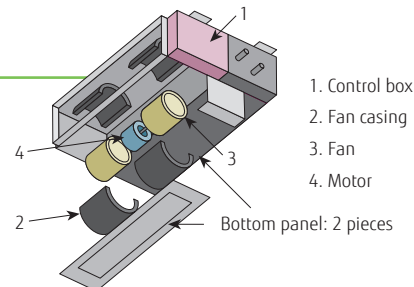


Medium Static Pressure Duct Standard



Easy maintenance

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

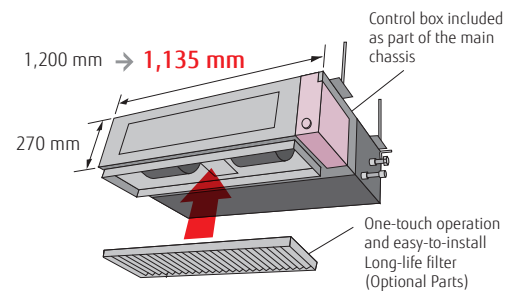


See below for case of rear-suction type

Slim & Compact design

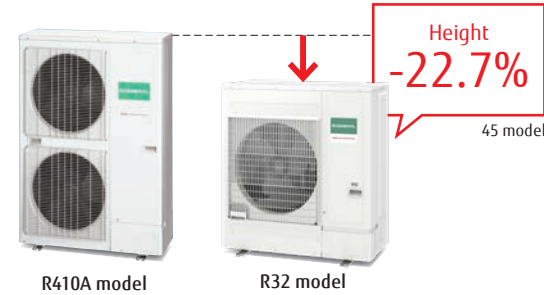
Indoor Unit

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

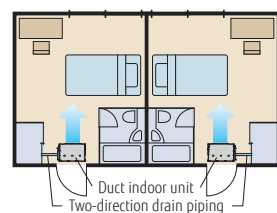


Outdoor Unit

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



Two-direction drain piping



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

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



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



Specifications

Model name	Indoor unit		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit		AOHG22KBTB	AOHG24KBTB	AOHG30KBTB	AOHG36KBTB	AOHG45KBTB	AOHG36KRTA	AOHG45KRTA
Power Source	Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	6.0	6.8	8.5	9.5	12.1	9.5	12.1
		Min.-Max.	0.9-6.7	0.9-8.0	2.8-10.0	2.8-11.2	4.0-13.0	2.8-11.2	4.0-13.0
	Heating	Rated	7.0	7.5	10.0	10.8	13.5	10.8	13.5
Min.-Max.		0.9-8.0	0.9-9.1	2.7-11.2	2.7-12.7	4.2-15.2	2.7-12.7	4.2-15.2	
Input Power	Cooling/Heating	kW	1.78/1.87	2.14/1.97	2.65/2.63	2.97/2.88	4.22/3.84	2.97/2.88	4.22/3.84
EER	Cooling	W/W	3.37	3.18	3.21	3.20	2.87	3.20	2.87
COP	Heating	W/W	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	W/W	4.10	4.10	4.00	4.00	-	4.00	-
Energy Efficiency Class	Cooling		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	kWh/a	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	Indoor	mm	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
	Outdoor	mm	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg	35	35	38	38	39	38	39
	Outdoor	kg	38	42	52	52	67	53	67
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
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	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	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.25 (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)

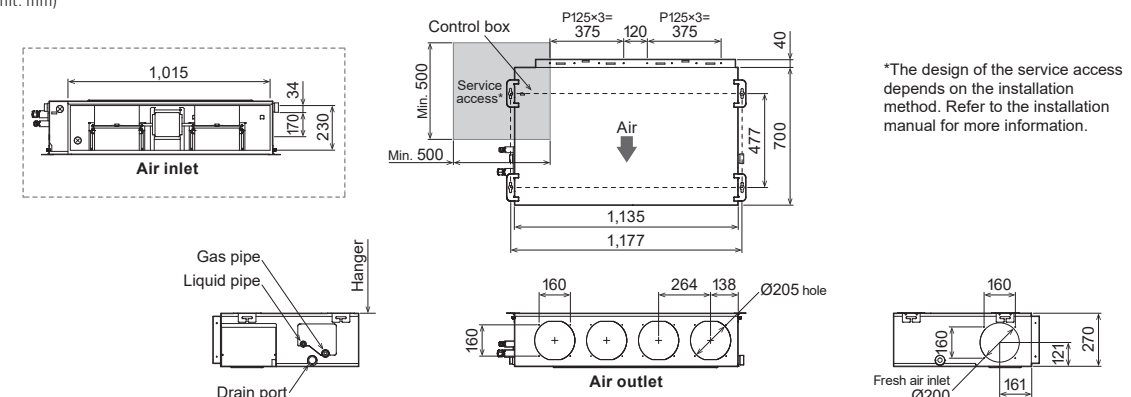
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1		FG-RC-WIF1Z2	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ5		UTY-TFSXJ3	Long-life filter:	UTD-LF25NA
Wired remote controller:	UTY-RLRG		FG-AC-WIF1Z1	Silver Ion Filter:	UTD-HFND
	UTY-RNNGM	Flange (Round):	UTD-RF204	External connect kit:	UTY-XWZXZG
	UTY-RVNGM	Flange (Square):	UTD-SF045T		
Simple remote controller (without operation mode):	UTY-RHRG	IR receiver unit:	UTY-LBTGM	(Outdoor unit 30/36/45)	
Simple remote controller:	UTY-RSRG	Remote sensor unit:	UTY-XS2XZ1	External connect kit:	UTY-XWZXZ3
External switch controller:	UTY-TERX	Drain pump unit:	UTZ-PX1NBA		

Dimensions

(Unit: mm)



*The design of the service access depends on the installation method. Refer to the installation manual for more information.

High Static Pressure Duct



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

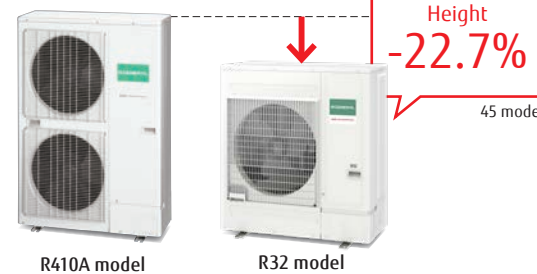
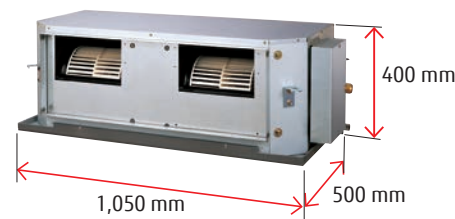


Specifications

Model name	Indoor unit		ARXG45KHTB	ARXG54KHTB	ARXG45KHTB	ARXG54KHTB
	Outdoor unit		AOHG45KHTB	AOHG54KHTB	AOHG45KRTA	AOHG54KRTA
Power Source	Single phase, ~230 V, 50 Hz				3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	12.1	13.4	12.1	13.4
		Min.-Max.	4.0-14.0	5.0-14.5	4.0-14.0	5.0-14.5
	Heating	Rated	13.5	15.5	13.5	15.5
		Min.-Max.	5.0-16.2	5.5-18.0	5.0-16.2	5.5-18.0
Input Power	Cooling/Heating	kW	4.16/3.61	4.77/4.18	4.16/3.61	4.77/4.18
EER	Cooling		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		-	-	-	-
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)	100 to 250 (100)	100 to 250 (100)
Net Dimensions	Indoor	mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500
H x W x D	Outdoor	mm	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg	46	46	46	46
	Outdoor	kg	67	67	67	67
Connection Pipe Diameter (Liquid/Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)		mm	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max. Pipe Length (Pre-Charge)		m	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference			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)

Easy installation (Compact & Lightweight)

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

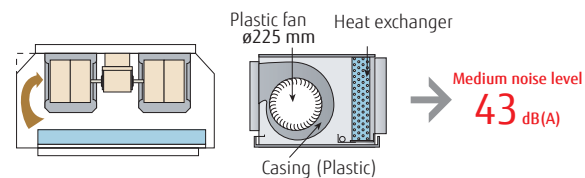


Design also suits high static pressure



Low noise

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



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

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



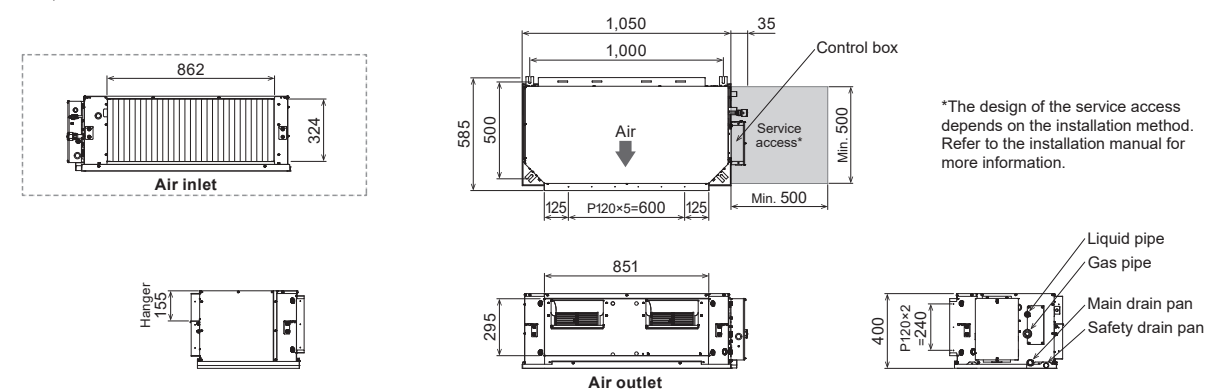
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	Remote sensor unit:	UTY-XSZXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	Long-life filter:	UTD-LF60KA	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ5	External switch controller:	UTY-TERX	Silver Ion Filter:	UTD-HFKB
Wired remote controller:	UTY-RLRG	WLAN adapter:	UTY-TFSXZ1	External connect kit:	UTY-XWZXXG
Simple remote controller:	UTY-RSRG		UTY-TFSXJ3		
	UTY-RHRG		FG-AC-WIF1Z1	(Outdoor unit)	
IR Receiver unit:	UTY-LBTGM	External input and output PCB:	UTY-XCSX+UTZ-GXEA	External connect kit:	UTY-XWZXXZ3

Dimensions

(Unit: mm)



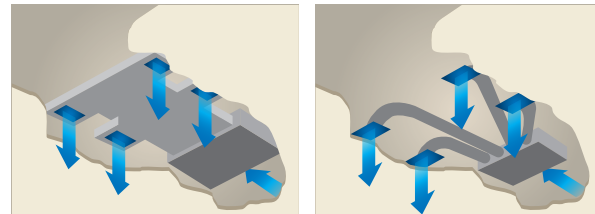
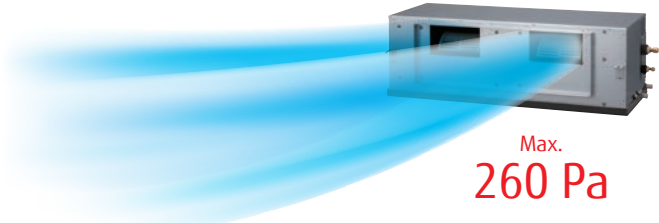
High Static Pressure Duct



High energy efficiency

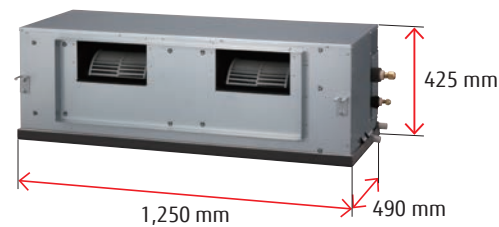
Much greater efficiency is achieved by the use of all-DC inverter technology.

Design also corresponding to high static pressure



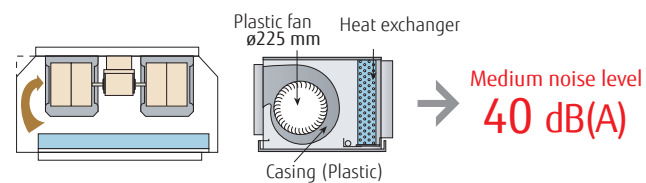
Easy installation (Compact & Lightweight)

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: ARHG60LHTA [3-phase]



Specifications

Model name	Indoor unit		Outdoor unit		ARHG60LHTA	AOHG60LATT
	Indoor unit		Outdoor unit			
Power Source					3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	kW	15.0		
		Min.-Max.		6.2-17.5		
	Heating	Rated	18.0			
Min.-Max.		6.2-20.0				
Input Power	Cooling/Heating		kW	4.70/5.15		
EER	Cooling		W/W	3.19		
COP	Heating		W/W	3.50		
Max. Operating Current	Cooling/Heating		A	12.5/12.5		
Moisture Removal			l/h	2.0		
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	45/40/36/-		
	Indoor (Heating)	H/M/L/Q		45/40/36/-		
	Outdoor (Cooling/Heating)	High		56/58		
Airflow Rate	Indoor/Outdoor (Cooling)	High	m ³ /h	3,550/6,900		
	Indoor/Outdoor (Heating)	High		3,550/7,300		
Static pressure range (Standard)			Pa	60 to 260 (60)		
Net Dimensions	Indoor		mm	425 × 1,250 × 490		
H x W x D	Outdoor		mm	1,290 × 900 × 330		
Weight	Indoor		kg	54		
	Outdoor		kg	104		
Connection Pipe Diameter (Liquid/Gas)			mm	9.52/15.88		
Drain Hose Diameter (I.D./O.D.)				23.4/25.4		
Max. Pipe Length (Pre-Charge)			m	75 (30)		
Max. Height Difference				30		
Operating Range	Cooling		*CDB	-15 to 46		
	Heating		*CDB	-15 to 24		
Refrigerant	Type (Global Warming Potential)			R410A (2,088)		
	Charge	kg (CO2eq-T)			3.45 (7.204)	

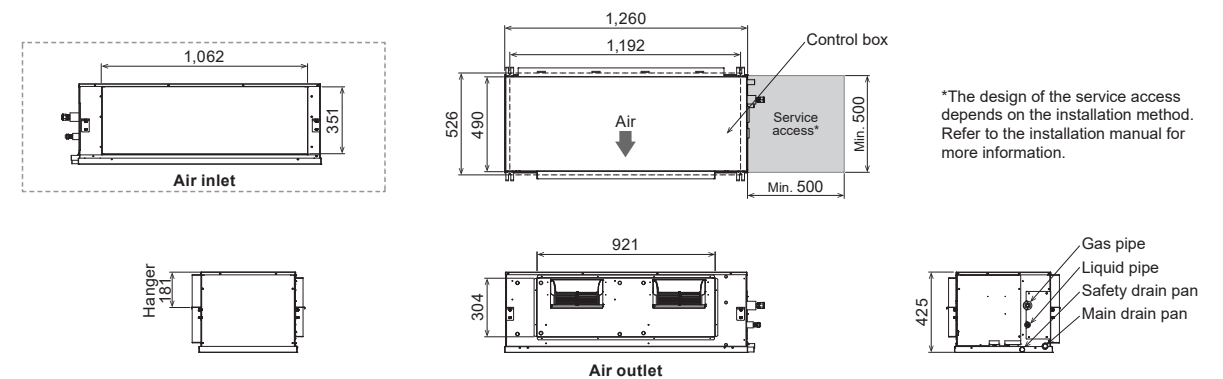
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

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

Dimensions

(Unit: mm)



*The design of the service access depends on the installation method. Refer to the installation manual for more information.

Floor Compact Size



Model: AGHG09KVCA / AGHG12KVCA / AGHG14KVCA



Specifications

Model name	Indoor unit		AGHG09KVCA	AGHG12KVCA	AGHG14KVCA	
	Outdoor unit		AOHG09KVCA	AOHG12KVCA	AOHG14KVCA	
Power Source			Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	2.5	3.5	4.2	
		Min.-Max.	0.9-3.5	0.9-4.0	0.9-5.2	
	Heating	Rated	3.5	4.5	5.2	
Min.-Max.		0.9-5.1	0.9-5.3	0.9-6.3		
Input Power	Cooling/Heating		kW	0.53/0.81	0.88/1.22	1.06/1.41
EER	Cooling			4.70	4.00	3.95
COP	Heating		W/W	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)		W/W	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)		kWh/a	845	1,192	1,466
Moisture Removal			l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	40/35/29/22		44/38/31/22
	Indoor (Heating)	H/M/L/Q		41/35/29/22		43/37/29/22
Sound Power Level	Outdoor (Cooling/Heating)	High	dB(A)	43/47		51/50
	Indoor (Cooling/Heating)	High		53/54		57/56
Airflow Rate	Outdoor (Cooling/Heating)	High	m³/h	58/61		63/63
	Indoor/Outdoor (Cooling)	High		570/1,530		650/2,210
Net Dimensions H x W x D	Indoor	mm		600 x 740 x 200		600 x 740 x 200
	Outdoor	mm		542 x 799 x 290		632 x 799 x 290
Weight	Indoor	kg		14		14
	Outdoor	kg		31		38
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52		6.35/9.52
Drain Hose Diameter (I.D./O.D.)				13.8/15.8 to 16.7		13.8/15.8 to 16.7
Max. Pipe Length (Pre-Charge)			m	20 (15)		20 (15)
Max. Height Difference				15		15
Operating Range	Cooling	°CDB		-10 to 46		-10 to 46
	Heating	°CDB		-15 to 24		-15 to 24
Refrigerant	Type (Global Warming Potential)		kg (CO2eq-T)	R32 (675)		R32 (675)
	Charge			0.85 (0.574)		0.94 (0.635)

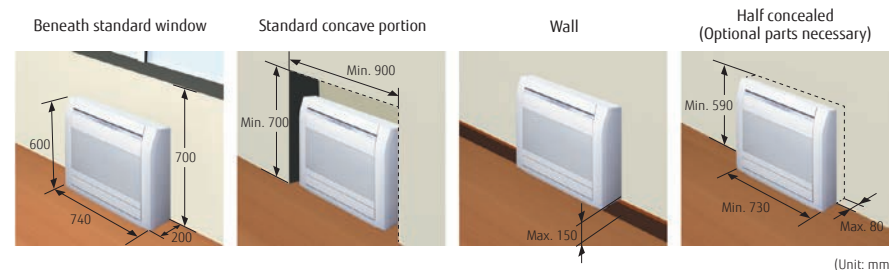
High energy saving

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



Flexible & easy installation

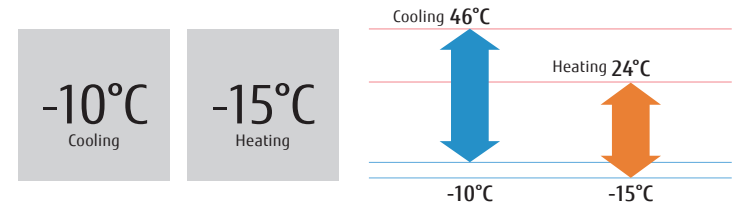
The compact and whole-surface suction design provides flexible installation options, including floor-standing, embedded, half concealed, and wall mount installation to match the room layout.



* Concaved position installation with concealment is prohibited.

Low ambient operation

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



Smart device control (Option)

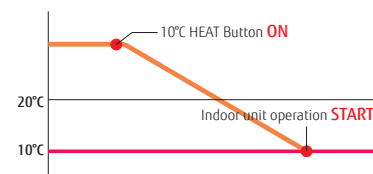
With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* See page C-020 for details on smart device control.



10°C heat

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



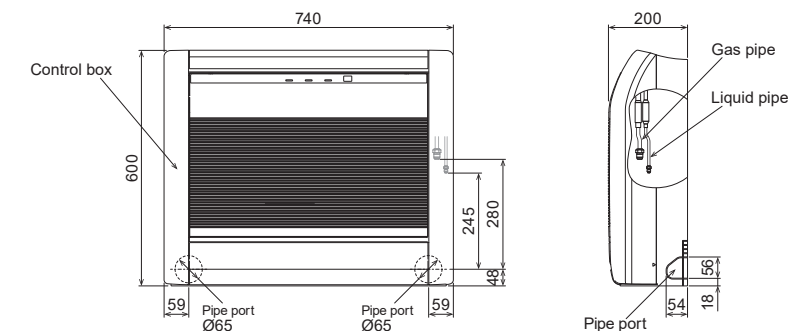
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

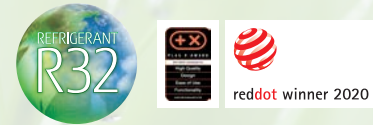
Wired Remote Controller (Design type):	UTY-RVRG	External switch controller:	UTY-TERX	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ5		FG-AC-WIF1Z1	Silver Ion Filter:	UTR-FA03-5
Wired remote controller:	UTY-RLRG		UTY-TFSXJ3	External connect kit:	UTY-XWZX25
Simple remote controller (without operation mode):	UTY-RHRG	Half concealed kit:	UTR-STA		
Simple remote controller:	UTY-RSRG	Communication kit:	UTY-TWRXZ3		

Dimensions

(Unit: mm)



Ceiling



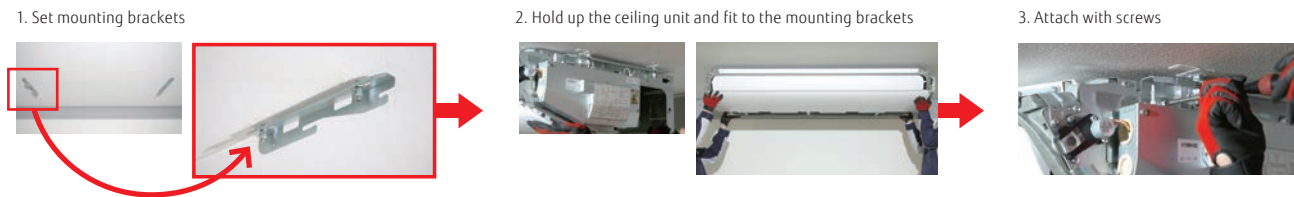
Light elegant design

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



Easy installation

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



Easy maintenance

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



The drain pan can be removed for cleaning.



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



Flexible installation

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



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

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



Model: ABHG18KRTA / ABHG22KRTA / ABHG24KRTA / ABHG30KRTA / ABHG36KRTA / ABHG45KRTA / ABHG36KRTA [3-phase] / ABHG45KRTA [3-phase] / ABHG54KRTA [3-phase]



Specifications

Model name	Indoor unit						Outdoor unit				
	ABHG18KRTA	ABHG22KRTA	ABHG24KRTA	ABHG30KRTA	ABHG36KRTA	ABHG45KRTA	AOHG18KRTB	AOHG22KRTB	AOHG24KRTB	AOHG30KRTB	AOHG36KRTB
Power Source	Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz				
Capacity	Cooling	Rated	5.2	6.0	6.8	8.5	9.5	12.1	9.5	12.1	13.4
		Min.-Max.	0.9-5.9	0.9-6.7	0.9-8.0	2.8-10.0	2.8-11.2	4.0-13.5	2.8-11.2	4.0-13.5	4.5-14.5
	Heating	Rated	6.0	7.0	7.5	10.0	10.8	13.5	10.8	13.5	15.5
Input Power	Cooling	Rated	0.9-7.5	0.9-8.0	0.9-9.1	2.7-11.2	2.7-12.7	4.2-16.2	2.7-12.7	4.2-16.2	4.7-16.5
		Min.-Max.	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
	Heating	Rated	3.35	3.21	3.18	3.21	3.21	2.87	3.21	2.87	3.01
EER	Cooling	Rated	3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.50
		Min.-Max.	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	9.5/8.7	-	-
	Heating	Rated	6.2	6.1	6.2	6.1	6.37	-	6.37	-	-
Pdesign	Cooling	Rated	4.1	4.0	4.1	4.0	4.21	-	4.21	-	-
		Min.-Max.	A++	A++	A++	A++	A++	-	A++	-	-
	Heating (Average)	Rated	A+	A+	A+	A+	A+	-	A+	-	-
SEER	Cooling	Rated	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
		Min.-Max.	293	344	384	486	524	-	524	-	-
	Heating	Rated	1.501	1.677	2.042	2.796	2.904	-	2.904	-	-
SCOP	Cooling	Rated	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	5.0
		Min.-Max.	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
	Heating	Rated	50/50	51/51	53/54	53/55	55/55	57/57	55/55	57/57	57/59
Sound Pressure Level	Indoor (Cooling)	High	53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60	63/63
		Low	62/62	63/63	65/66	68/69	70/70	71/71	70/70	71/71	73/73
	Outdoor (Cooling/Heating)	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
Sound Power Level	Indoor (Cooling)	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
		Low	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 (Cooling/Heating)	High	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
Airflow Rate	Indoor	High	24	24	31	31	38	38	38	38	38
		Low	36	38	42	52	52	67	53	67	67
	Outdoor	High	6.35/12.7	6.35/12.7	6.35/12.7	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Net Dimensions	Indoor	High	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
		Low	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
	Outdoor	High	20	25	25	30	30	30	30	30	30
Weight	Indoor	High	-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
		Low	-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
	Outdoor	High	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Connection Pipe Diameter (Liquid/Gas)	Indoor	High	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)
		Low	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
	Outdoor	High	20	25	25	30	30	30	30	30	30
Max. Pipe Length (Pre-Charge)	Cooling	High	-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
		Low	-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
	Heating	High	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Refrigerant	Type (Global Warming Potential)	High	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)
		Low	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
	Charge	High	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)

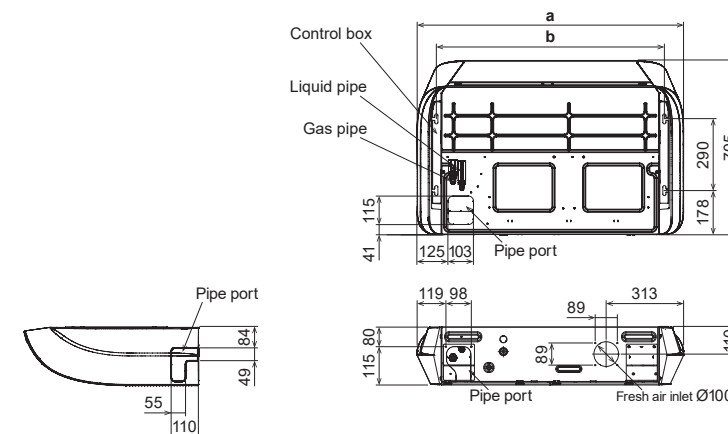
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wired Remote Controller (Design type):	UTY-RVRG	WLAN adapter:	UTY-TFSXZ1	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1		UTY-TFSXJ3	Network Converter for single split (AC power supply type):	UTY-VTGVX
Wired remote controller (touch panel):	UTY-RNRGZ5		FG-AC-WIF1Z1	External switch controller:	UTY-TERX
Wired remote controller:	UTY-RLRG	Drain pump unit:	UTR-DPB24T	External connect kit:	UTY-XWZXZG
Simple remote controller (without operation mode):	UTY-RHRG	IR receiver unit:	UTY-LBTGH	(Outdoor unit 30/36/45/54)	
Simple remote controller:	UTY-RSRG	L-type piping kit:	UTP-FX24A (18/22/24)	External connect kit:	UTY-XWZXZ3
External input and output PCB:	UTY-XCSX		UTP-FX35A (30/36/45/54)		
External input and output PCB box:	UTZ-GXEA	Communication kit:	UTY-TWRXZ3		

Dimensions

(Unit: mm)



	ABHG 18/22KRTA	ABHG 24/30KRTA	ABHG 36/45/54 KRTA
a	1,080	1,390	1,700
b	923	1,233	1,543



Wall-mounted Specifications

Designer Series High-Spec & Design (WLAN adapter Internal Models)

Model name	Indoor unit		ASHG07KGTF	ASHG09KGTF	ASHG12KGTF	ASHG14KGTF
	Outdoor unit		AOHG07KGCB	AOHG09KGCB	AOHG12KGCB	AOHG14KGCB
Power Source			Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	2.0	2.5	3.4	4.2
		Min.-Max.	0.9-3.2	0.9-3.4	0.9-4.1	0.9-4.5
	Heating	Rated	2.5	2.8	4.0	5.4
Min.-Max.		0.9-5.2	0.9-5.4	0.9-6.1	0.9-6.4	
Input Power	Cooling/Heating		0.400/0.500	0.555/0.560	0.805/0.910	1.175/1.350
EER	Cooling		5.00	4.50	4.22	3.57
COP	Heating		5.00	5.00	4.40	4.00
Pdesign	Cooling/Heating (-10°C)		2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		8.10	8.90	8.70	7.90
SCOP	Heating (Average)		5.30	5.20	5.20	4.50
Energy Efficiency Class	Cooling		A++	A+++	A+++	A++
	Heating (Average)		A+++	A+++	A+++	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		86	98	137	186
	Heating		606	645	673	1,242
Moisture Removal			l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/19	40/34/29/19	40/35/30/19	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/21	42/36/31/21	42/38/33/21	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/48	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	56/58	57/59
	Outdoor (Cooling/Heating)	High	61/62	61/63	65/66	65/66
	Indoor/Outdoor (Cooling)	High	650/1,610	700/1,610	700/1,680	770/1,680
Airflow Rate	Indoor/Outdoor (Heating)	High	720/1,560	750/1,610	770/1,580	800/1,580
			m ³ /h			
Net Dimensions H x W x D	Indoor		mm	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor		kg	10	10	10
	Outdoor		kg	30	30	31
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52		
Drain Hose Diameter (I.D./O.D.)			mm	13.8/15.0 to 16.8		
Max. Pipe Length (Pre-Charge)			m	20 (15)		
Max. Height Difference				15		
Operating Range	Cooling		°CDB	-10 to 46		
	Heating		°CDB	-15 to 24		
Refrigerant	Type (Global Warming Potential)			R32 (675)		
	Charge	kg (CO ₂ eq-T)		0.75 (0.506)	0.75 (0.506)	0.85 (0.574)

Designer Series High Spec & Design (WLAN adapter Option Models)

Model name	Indoor unit		ASHG07KGTE	ASHG09KGTE	ASHG12KGTE	ASHG14KGTE
	Outdoor unit		AOHG07KGCA	AOHG09KGCA	AOHG12KGCA	AOHG14KGCA
Power Source			Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	2.0	2.5	3.4	4.2
		Min.-Max.	0.9-3.2	0.9-3.4	0.9-4.1	0.9-4.5
	Heating	Rated	2.5	2.8	4.0	5.4
Min.-Max.		0.9-5.2	0.9-5.4	0.9-6.1	0.9-6.4	
Input Power	Cooling/Heating		0.400/0.500	0.555/0.560	0.805/0.910	1.175/1.350
EER	Cooling		5.00	4.50	4.22	3.57
COP	Heating		5.00	5.00	4.40	4.00
Pdesign	Cooling/Heating (-10°C)		2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		9.10	9.20	9.20	8.30
SCOP	Heating (Average)		5.30	5.20	5.20	4.50
Energy Efficiency Class	Cooling		A+++	A+++	A+++	A++
	Heating (Average)		A+++	A+++	A+++	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		77	95	129	177
	Heating		607	645	672	1,242
Moisture Removal			l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/19	40/34/29/19	40/35/30/19	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/21	42/36/31/21	42/38/33/21	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/48	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	56/58	57/59
	Outdoor (Cooling/Heating)	High	61/62	61/63	65/66	65/66
	Indoor/Outdoor (Cooling)	High	650/1,610	700/1,610	700/1,680	770/1,680
Airflow Rate	Indoor/Outdoor (Heating)	High	720/1,560	750/1,610	770/1,580	800/1,580
			m ³ /h			
Net Dimensions H x W x D	Indoor		mm	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor		kg	10	10	10
	Outdoor		kg	30	30	31
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52		
Drain Hose Diameter (I.D./O.D.)			mm	13.8/15.0 to 16.8		
Max. Pipe Length (Pre-Charge)			m	20 (15)		
Max. Height Difference				15		
Operating Range	Cooling		°CDB	-10 to 46		
	Heating		°CDB	-15 to 24		
Refrigerant	Type (Global Warming Potential)			R32 (675)		
	Charge	kg (CO ₂ eq-T)		0.75 (0.506)	0.75 (0.506)	0.85 (0.574)

Designer Series
Cool Beauty Design



Model name	Indoor unit		ASHG07KETE ASHG07KETE-B	ASHG09KETE ASHG09KETE-B	ASHG12KETE ASHG12KETE-B	ASHG14KETE ASHG14KETE-B
	Outdoor unit		AOHG07KETA	AOHG09KETA	AOHG12KETA	AOHG14KETA
Power Source						
Single phase, ~230 V, 50 Hz						
Capacity	Cooling	Rated	2.0	2.5	3.4	4.2
		Min.-Max.	0.9 - 3.0	0.9 - 3.2	0.9 - 3.9	0.9 - 4.4
Capacity	Heating	Rated	2.5	2.8	4.0	5.4
		Min.-Max.	0.9 - 3.4	0.9 - 4.0	0.9 - 5.3	0.9 - 6.0
Input Power	Cooling/Heating		0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
EER	Cooling		4.43	3.97	3.65	3.44
COP	Heating		4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating (-10°C)		2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		7.40	7.40	7.30	6.90
SCOP	Heating (Average)		4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling		95	118	163	213
	Heating		785	819	795	1,367
Moisture Removal			1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/46	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	55/58	57/59
Airflow Rate	Indoor/Outdoor (Cooling)	High	650/1,650	700/1,650	700/1,700	770/1,680
	Indoor/Outdoor (Heating)	High	720/1,450	750/1,450	770/1,470	800/1,580
Net Dimensions	Indoor		295 × 950 (wall side: 840) × 230			
H x W x D	Outdoor		541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
	Indoor		11	11	11	11.5
Weight	Indoor		23	23	25	31
	Outdoor		6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Connection Pipe Diameter (Liquid/Gas)			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
Drain Hose Diameter (I.D./O.D.)			20 (15)	20 (15)	20 (15)	20 (15)
Max. Pipe Length (Pre-Charge)			15	15	15	15
Max. Height Difference			-10 to 46	-10 to 46	-10 to 46	-10 to 46
Operating Range	Cooling		-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Heating		-10 to 46	-10 to 46	-10 to 46	-10 to 46
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

Standard Series
High-Efficiency & Comfort



Model name	Indoor unit	W-LAN Adapter Internal Models	ASHG07KMCF	ASHG09KMCF	ASHG12KMCF	ASHG14KMCF
		W-LAN Adapter Option Models	ASHG07KMCE	ASHG09KMCE	ASHG12KMCE	ASHG14KMCE
		Outdoor unit	AOHG07KMCC	AOHG09KMCC	AOHG12KMCC	AOHG14KMCC
Power Source						
Single phase, ~230 V, 50 Hz						
Capacity	Cooling	Rated	2.0	2.5	3.4	4.2
		Min.-Max.	0.9-3.0	0.9-3.2	0.9-3.9	0.9-4.4
Capacity	Heating	Rated	2.5	2.8	4.0	5.4
		Min.-Max.	0.9-3.4	0.9-4.0	0.9-5.3	0.9-6.0
Input Power	Cooling/Heating		0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
EER	Cooling		4.43	3.97	3.65	3.44
COP	Heating		4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating (-10°C)		2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		7.40	7.40	7.30	6.90
SCOP	Heating (Average)		4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling		95	118	163	213
	Heating		785	819	795	1367
Moisture Removal			1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
Sound Power Level	Outdoor (Cooling/Heating)	High	46/46	46/46	50/50	50/50
	Indoor (Cooling/Heating)	High	54/56	55/57	55/58	57/59
Airflow Rate	Indoor/Outdoor (Cooling)	High	650/1,650	700/1,650	700/1,700	770/1,680
	Indoor/Outdoor (Heating)	High	720/1,450	750/1,450	780/1,470	820/1,580
Net Dimensions	Indoor		270 × 834 × 222			
H x W x D	Outdoor		541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
	Indoor		10	10	10	10
Weight	Indoor		22	22	24	31
	Outdoor		6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Connection Pipe Diameter (Liquid/Gas)			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
Drain Hose Diameter (I.D./O.D.)			20 (15)	20 (15)	20 (15)	20 (15)
Max. Pipe Length (Pre-Charge)			15	15	15	15
Max. Height Difference			-10 to 46	-10 to 46	-10 to 46	-10 to 46
Operating Range	Cooling		-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Heating		-10 to 46	-10 to 46	-10 to 46	-10 to 46
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

ECO Series Lineup
Specifications



Compact Cassette



Model name	Indoor unit		AUXG09KVL	AUXG12KVL	AUXG14KVL	AUXG18KVL	AUXG22KVL	AUXG24KVL
	Outdoor unit		AOHG09KATA	AOHG12KATA	AOHG14KATA	AOHG18KATA	AOHG22KATA	AOHG24KATA
Power Source	Single phase, ~230 V, 50 Hz							
Capacity	Cooling	Rated	2.5	3.5	4.3	5.2	6.0	6.8
		Min.-Max.	0.9-2.7	0.9-3.7	0.9-4.5	0.9-5.4	0.9-6.3	0.9-7.4
Capacity	Heating	Rated	3.2	4.1	5.0	6.0	7.0	7.5
		Min.-Max.	0.9-3.9	0.9-4.4	0.9-5.3	0.9-6.3	0.9-7.4	0.9-8.6
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	W/W	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	W/W	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	kWh/a	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	Indoor/Outdoor (Cooling)	High	540/1,610	600/1,630	680/1,670	680/1,710	830/2,240	930/2,885
	Indoor/Outdoor (Heating)	High	540/1,550	600/1,410	800/1,580	800/1,840	860/2,240	930/2,350
Net Dimensions	Indoor	mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
H x W x D	Outdoor	mm	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290
Weight	Indoor	kg	15	15	15	15	16	16
	Outdoor	kg	23	25	32	33	36	38
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/12.70	6.35/12.70
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	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.6 (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		UTG-UGF-W	UTG-UGF-W	UTG-UGF-W	UTG-UGF-W	UTG-UGF-W	UTG-UGF-W
	Dimensions (H × W × D)	mm	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620	49 × 620 × 620
	Weight	kg	2.3	2.3	2.3	2.3	2.3	2.3

Circular Cassette (Slim type)



Model name	Indoor unit		AUXG18KRLB	AUXG22KRLB	AUXG24KRLB
	Outdoor unit		AOHG18KATA	AOHG22KATA	AOHG24KATA
Power Source	Single phase, ~230 V, 50 Hz				
Capacity	Cooling	Rated	5.2	6.0	6.8
		Min.-Max.	0.9-5.4	0.9-6.3	0.9-7.4
Capacity	Heating	Rated	6.0	7.0	7.5
		Min.-Max.	0.9-6.3	0.9-7.4	0.9-8.6
Input Power	Cooling/Heating	kW	1.60/1.66	1.85/1.93	2.12/1.97
EER	Cooling	W/W	3.25	3.24	3.21
COP	Heating	W/W	3.61	3.63	3.81
Pdesign	Cooling/Heating (-10°C)	kW	5.2/3.8	6.0/4.4	6.8/5.4
SEER	Cooling	W/W	6.2	6.2	6.1
SCOP	Heating	W/W	4.1	4.1	4.0
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating		A+	A+	A+
Max. Operating Current	Cooling/Heating	A	10.1/10.1	11.6/11.6	12.6/12.6
Annual Energy Consumption	Cooling	kWh/a	293	338	390
	Heating	kWh/a	1,297	1,502	1,887
Moisture Removal		l/h	1.5	2.2	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29
	Indoor (Heating)	H/M/L/Q	33/32/31/28	33/32/31/28	35/33/32/29
Sound Power Level	Outdoor (Cooling/Heating)	High	51/52	52/53	54/55
	Indoor (Cooling/Heating)	High	47/47	49/49	49/49
Airflow Rate	Indoor/Outdoor (Cooling)	High	1,050/1,710	1,050/2,240	1,150/2,885
	Indoor/Outdoor (Heating)	High	1,050/1,840	1,050/2,240	1,150/2,350
Net Dimensions	Indoor	mm	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840
H x W x D	Outdoor	mm	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290
Weight	Indoor	kg	23	24	24
	Outdoor	kg	33	36	38
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/12.70	6.35/12.70	6.35/12.70
Drain port Diameter (I.D./O.D.)		mm	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)		m	20 (15)	25 (15)	25 (20)
Max. Height Difference		m	15	20	20
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.9 (0.608)	1.1 (0.743)	1.25 (0.844)
Cassette Grille	Model name		UTG-UKGA-W: White wired remote controller (touch panel) UTG-UKGC-W: White/UTG-UKGA-B*1: Black		
	Dimensions (H × W × D)	mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight	kg	6.0	6.0	6.0

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

Circular Cassette (Large type)



Model name	Indoor unit		AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KQTA	AUXG45KQTA	AUXG54KQTA
	Outdoor unit		AOHG30KATA	AOHG36KATA	AOHG45KATA	AOHG54KATA	AOHG36KQTA	AOHG45KQTA	AOHG54KQTA
Power Source	Single phase, ~230 V, 50 Hz								
Capacity	Cooling	Rated	8.5	9.5	12.1	13.4	9.5	12.1	13.4
		Min.-Max.	2.8-9.6	2.8-10.6	4.0-12.6	4.5-13.8	2.8-10.6	4.0-12.6	4.5-13.8
Capacity	Heating	Rated	10.0	10.8	13.5	13.7	10.8	13.5	13.7
		Min.-Max.	2.7-10.8	2.7-12.5	4.2-15.0	4.7-16.0	2.7-12.5	4.2-15.0	4.7-16.0
Input Power	Cooling/Heating	kW	2.56/2.64	3.06/2.58	4.32/3.77	4.87/4.86	3.06/2.58	4.32/3.77	4.87/4.86
EER	Cooling	W/W	3.32	3.10	2.80	2.75	3.10	2.80	2.75
COP	Heating	W/W	3.79	4.19	3.58	3.19	4.19	3.58	3.19
Pdesign	Cooling/Heating (-10°C)	kW	8.5/8.0	9.5/8.7	-	-	9.5/8.7	-	-
SEER	Cooling	W/W	6.1	6.1	-	-	6.1	-	-
SCOP	Heating	W/W	4.0	4.0	-	-	4.0	-	-
Energy Efficiency Class	Cooling		A++	A++	-	-	A++	-	-
	Heating		A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating	A	22.5/22.5	22.5/22.5	28.1/28.1	28.1/28.1	10.5/10.5	13.6/13.6	13.6/13.6
Annual Energy Consumption	Cooling	kWh/a	488	545	-	-	545	-	-
	Heating	kWh/a	2,794	3,044	-	-	3,044	-	-
Moisture Removal		l/h	2.5	3.3	4.5	5.0	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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	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	53/55	55/55	58/59	58/61	55/55	60/60	61/61
	Indoor (Cooling/Heating)	High	54/54	58/58	60/60	61/61	58/58	-/-	-/-
Airflow Rate	Indoor/Outdoor (Cooling)	High	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
	Indoor/Outdoor (Heating)	High	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,780	1,870/3,750	2,000/4,450	2,100/4,780
Net Dimensions	Indoor	mm	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	
H x W x D	Outdoor	mm	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor	kg	26	29	29	29	29	29	
	Outdoor	kg	52	52	61	63	53	62	63
Connection Pipe Diameter (Liquid/Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain 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	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	
Max. Height Difference		m	30	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	
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
	Charge	kg (CO2eq-T)	1.90 (1.283)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)	1.90 (1.283)	2.4 (1.620)	2.4 (1.620)
Cassette Grille	Model name		UTG-UKGA-W: White wired remote controller (touch panel) UTG-UKGC-W: White/UTG-UKGA-B*1: Black						
	Dimensions (H × W × D)	mm	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight	kg	6.0	6.0	6.0	6.0	6.0	6.0	

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

Slim Duct



Model name	Indoor unit		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP
	Outdoor unit		AOHG09KATA	AOHG12KATA	AOHG14KATA	AOHG18KATA
Power Source	Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	2.5	3.5	4.3	5.2
		Min.-Max.	0.9-2.7	0.9-3.7	0.9-4.5	0.9-5.4
Capacity	Heating	Rated	3.2	4.1	5.0	6.0
		Min.-Max.	0.9-3.9	0.9-4.4	0.9-5.3	0.9-6.3
Input Power	Cooling/Heating	kW	0.69/0.88	1.09/1.17	1.37/1.42	1.66/1.71
EER	Cooling	W/W	3.62	3.21	3.14	3.13
COP	Heating	W/W	3.64	3.50	3.52	3.51
Pdesign	Cooling/Heating (-10°C)	kW	2.5/			

Medium Static Pressure Duct (High-Efficiency & Comfort)



Model name	Indoor unit		ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP	ARXH24KMTAP
	Outdoor unit		AOHG12KATA	AOHG14KATA	AOHG18KATA	AOHG22KATA	AOHG24KATA
Power Source	Single phase, ~230 V, 50 Hz						
Capacity	Cooling	Rated	3.5	4.3	5.2	6.0	6.8
		Min.-Max.	0.9-3.7	0.9-4.5	0.9-5.4	0.9-6.3	0.9-7.4
	Heating	Rated	4.1	5.0	6.0	7.0	7.5
		Min.-Max.	0.9-4.4	0.9-5.3	0.9-6.3	0.9-7.4	0.9-8.6
Input Power	Cooling/Heating	kW	1.060 / 1.170	1.340 / 1.420	1.730 / 1.820	1.85 / 1.97	2.06 / 1.97
EER	Cooling	W/W	3.30	3.21	3.00	3.24	3.30
COP	Heating	W/W	3.50	3.52	3.30	3.55	3.81
Pdesign	Cooling/Heating (-10°C)	kW	3.5 / 2.8	4.3 / 3.2	5.2 / 3.8	6.0 / 4.4	6.8 / 5.4
SEER	Cooling	W/W	6.00	5.80	5.90	6.00	6.00
SCOP	Heating (Average)	W/W	3.90	3.90	3.90	3.90	3.90
Energy Efficiency Class	Cooling		A+	A+	A+	A+	A+
	Heating (Average)		A	A	A	A	A
Max. Operating Current	Cooling/Heating	A	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	212	267	316	358	405
	Heating	kWh/a	1,005	1,148	1,363	1,578	1,936
Moisture Removal		l/h	1.3	1.3	2.0	1.5	2.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32 / 28 / 25 / 24	34 / 30 / 28 / 26
	Indoor (Heating)	H/M/L/Q	29 / 27 / 25 / 23	32 / 29 / 27 / 25	33 / 30 / 28 / 26	32 / 28 / 25 / 24	34 / 30 / 28 / 26
Sound Power Level	Outdoor (Cooling/Heating)	High	49 / 50	50 / 51	51 / 52	52 / 53	54 / 55
	Indoor (Cooling/Heating)	High	58 / 58	59 / 59	60 / 60	58 / 58	60 / 60
Airflow Rate	Indoor/Outdoor (Cooling)	High	650 / 1,630	800 / 1,670	840 / 1,710	1,150 / 2,240	1,230 / 2,885
	Indoor/Outdoor (Heating)	High	650 / 1,410	800 / 1,580	840 / 1,840	1,150 / 2,240	1,230 / 2,350
Static pressure range (Standard)		Pa	30 to 150 (40)	30 to 150 (40)	30 to 150 (40)	30 to 150 (40)	30 to 150 (50)
Net Dimensions H x W x D	Indoor	mm	240 x 700 x 700	240 x 700 x 700	240 x 700 x 700	240 x 1,000 x 700	240 x 1,000 x 700
	Outdoor	mm	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	24	24	24	31	31
	Outdoor	kg	25	32	33	36	38
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.70	6.35 / 12.70
Drain Hose Diameter (I.D./O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	15 (15)	20 (15)	20 (15)	25 (15)	25 (20)
Max. Height Difference		m	15	15	15	20	20
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	0.70 (0.473)	0.85 (0.574)	0.90 (0.608)	1.10 (0.743)	1.25 (0.844)

Medium Static Pressure Duct (High-Efficiency & Comfort)



Model name	Indoor unit		ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH36KMTAP	ARXH45KMTAP
	Outdoor unit		AOHG30KATA	AOHG36KATA	AOHG45KATA	AOHG36KQTA	AOHG45KQTA
Power Source	Single phase, ~230 V, 50 Hz					3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	8.5	9.5	12.1	9.5	12.1
		Min.-Max.	2.8-9.6	2.8-10.6	4.0-12.6	2.8-10.6	4.0-12.6
	Heating	Rated	10.0	10.8	13.5	10.8	13.5
		Min.-Max.	2.7-10.8	2.7-12.5	4.2-15.0	2.7-12.5	4.2-15.0
Input Power	Cooling/Heating	kW	2.69 / 2.63	3.13 / 2.88	4.84 / 4.18	3.13 / 2.88	4.84 / 4.18
EER	Cooling	W/W	3.16	3.04	2.50	3.04	2.50
COP	Heating	W/W	3.80	3.75	3.23	3.75	3.23
Pdesign	Cooling/Heating (-10°C)	kW	8.5 / 8.0	9.5 / 8.7	-	9.5 / 8.7	-
SEER	Cooling	W/W	5.80	5.60	-	5.60	-
SCOP	Heating (Average)	W/W	3.90	3.90	-	3.90	-
Energy Efficiency Class	Cooling		A+	A+	-	A+	-
	Heating (Average)		A	A	-	A	-
Max. Operating Current	Cooling/Heating	A	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	520	601	-	601	-
	Heating	kWh/a	2,867	3,118	-	3,118	-
Moisture Removal		l/h	1.8	2.0	4.0	2.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29
	Indoor (Heating)	H/M/L/Q	38 / 34 / 31 / 28	38 / 34 / 31 / 28	40 / 36 / 32 / 29	38 / 34 / 31 / 28	40 / 36 / 32 / 29
Sound Power Level	Outdoor (Cooling/Heating)	High	53 / 55	55 / 55	58 / 59	55 / 55	58 / 59
	Indoor (Cooling/Heating)	High	64 / 64	65 / 65	67 / 67	65 / 65	67 / 67
Airflow Rate	Indoor/Outdoor (Cooling)	High	1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450
	Indoor/Outdoor (Heating)	High	1,950 / 3,750	2,070 / 3,750	2,160 / 4,450	2,070 / 3,750	2,160 / 4,450
Static pressure range (Standard)		Pa	30 to 150 (50)	30 to 150 (50)	30 to 150 (60)	30 to 150 (50)	30 to 150 (60)
Net Dimensions H x W x D	Indoor	mm	240 x 1,400 x 700	240 x 1,400 x 700	240 x 1,400 x 700	240 x 1,400 x 700	240 x 1,400 x 700
	Outdoor	mm	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	42	42	42	42	42
	Outdoor	kg	52	52	61	53	62
Connection Pipe Diameter (Liquid/Gas)		mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Drain Hose Diameter (I.D./O.D.)		mm	25 / 32	25 / 32	25 / 32	25 / 32	25 / 32
Max. Pipe Length (Pre-Charge)		m	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
Max. Height Difference		m	30	30	30	30	30
Operating Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.90 (1.283)	1.90 (1.283)	2.40 (1.620)	1.90 (1.283)	2.40 (1.620)

Medium Static Pressure Duct (Standard)









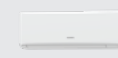


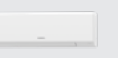















































Model name	Indoor unit		ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA	ARXG36KMLA	ARXG45KMLA
	Outdoor unit		AOHG22KATA	AOHG24KATA	AOHG30KATA	AOHG36KATA	AOHG45KATA	AOHG36KQTA	AOHG45KQTA
Power Source	Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	6.0	6.8	8.5	9.5	12.1	9.5	12.1
		Min.-Max.	0.9-6.3	0.9-7.4	2.8-9.6	2.8-10.6	4.0-12.6	2.8-10.6	4.0-12.6
	Heating	Rated	7.0	7.5	10.0	10.8	13.5	10.8	13.5
		Min.-Max.	0.9-7.4	0.9-8.6	2.7-10.8	2.7-12.5	4.2-15.0	2.7-12.5	4.2-15.0
Input Power	Cooling/Heating	kW	1.92/2.00	2.19/2.00	2.78/2.77	3.13/3.03	4.84/4.18	3.13/3.03	4.84/4.18
EER	Cooling	W/W	3.13	3.11	3.06	3.04	2.50	3.04	2.50
COP	Heating	W/W	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 (Average)	W/W	3.8	3.9	3.9	3.9	-	3.9	-
Energy Efficiency Class	Cooling		A+	A+	A+	A+	-	A+	-
	Heating		A	A	A	A	-	A	-
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	kWh/a	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	35	35	38	38	39	38	39
	Outdoor	kg	36	38	52	52	61	53	62
Connection Pipe Diameter (Liquid/Gas)		mm	6.35/12.70	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	35/38.1	35/38.1
Max. Pipe Length (Pre-Charge)		m	25 (15)	25 (20)	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)
Max. Height Difference		m	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	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)	1.1 (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



Model name	Indoor unit		ABHG18KRTA	ABHG22KRTA	ABHG24KRTA	ABHG30KRTA	ABHG36KRTA	ABHG45KRTA	ABHG36KRTA	ABHG45KRTA	
	Outdoor unit		AOHG18KATA	AOHG22KATA	AOHG24KATA	AOHG30KATA	AOHG36KATA	AOHG45KATA	AOHG36KQTA	AOHG45KQTA	
Power Source	Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz			
Capacity	Cooling	Rated	5.2	6.0	6.8	8.5	9.5	12.1	9.5	12.1	
		Min.-Max.									

Feature Summary

Type	Wall-mounted type				Wall-mounted type						
Series	Designer Range		Standard Range		Standard Range		ECO Range				
Model name											
Model name	ASHH07/09/12/14KGTG, ASHG07/09/12/14KGTG, ASHG07/09/12/14KGTG	ASHG07/09/12/14KETF ASHG07/09/12/14KETF-B, ASHG07/09/12/14KETE ASHG07/09/12/14KETE-B	ASHH07/09/12/14KMCG, ASHH07/09/12/14KMCG-B, ASHG07/09/12/14KMCF, ASHG07/09/12/14KMCE		ASHG18/24KMTE	ASHH30/36KMTB	ASHH07/09/12KNCA	ASHG07/09/12KPCE	ASHG18/24KLCA	ASHH07/09/12KLTA	
Model name											
Energy-Saving Features	 Save Human sensor	●				●					
	 Human sensor control										
	 Economy operation	●	●	●		●	●	●	●	●	
	 Setting temperature range limitation	○	○	○		○	○				
	 Set temperature auto return	○	○	○		○	○				
Features for Comfort	 Power diffuser										
	 Powerful operation	●	●	●		●	●	●	●	●	
	 10°C Heat	●	●	●		●	●	●			
	 Outdoor unit low noise operation	●	●	●		●	●				
	 Auto changeover	●	●	●		●	●	●	●	●	
	 UP/DOWN swing louver	●	●	●		●	●	●	●	●	
	 Double swing automatic					●	●				
	 Automatic fan speed	●	●	●		●	●	●	●	●	
	 Auto restart	●	●	●		●	●	●	●	●	
	 Connectable fresh air duct										
	 Fresh air intake										
	 Connectable distributing duct										
	 Individual airflow direction control										
Convenience Features	 Auto-off timer	○	○	○		○	○				
	 Sleep timer	●	●	●		●	●	●	●	●	
	 Program timer	●	●	●		●	●	●	●	●	
	 Weekly timer	●	●	○		●	●	● ^{*3}			
	 Weekly & Temperature setback timer	○	○	○		○	○				
	 Filter sign	●	●	●		●	●	●	●	●	
	 External error output	○	○	○		○	○				
	 External ON/OFF input	○	○	○		○	○				
	 Wireless LAN control	● (KGTG, KGTG) ○ (KGTG)	● (KETF, KETF-B) ○ (KETE, KETE-B)	● (KMCF, KMCG, KMCG-B) ○ (KMCE)		○	○	●	○		○
	 Multi system control						○				
 Special cooling						● ⁺²					
Clean Features	 Ion deodorization filter	●	●	●		●	●				
	 Apple-catechin filter	●	●	●		●	●				
	 Long-life filter										
	 Washable panel	●	●	●		●	●	●	●	●	
	 Silver Ion Filter	○	○	○		○	○	○	○	○	
Installation Support	 Automatic airflow adjustment										
	 Drain pump as standard										
	 Blue fin					●	●			●	
	 Refrigerant cycle monitor	○ (KGTG)		○ (KMCG, KMCG-B)		○	○			○	

*1 For details of Multi System Control function, refer to C-013.

*2 Wired remote controller (UTY-RNRGZ5) is required to use Special Cooling function.

*3: It is only available on the AIRSTAGE Mobile application and wired remote controller. It can not be used via wireless remote controller.

○: Optional function

Feature Summary

Type	Cassette		Duct			Duct				Floor	Ceiling
Series	Compact 4-way Flow Series	Circular Flow Series	Slim (With drain pump)	Medium Static Pressure (High-Efficiency & Comfort)	Medium Static Pressure (Compact size)	Medium Static Pressure (Standard)	High Static Pressure		Big		
Model name	AUXG 09/12/14/18/22/24 KVLA	AUXG 18/22/24/30/36/45/54 KRLB	ARXG 09/12/14/18 KLLAP	ARXH 12/14/18/22/24/30/36/45/54 KMTAP	ARXG 12/14/18/22/24/30/36/45/54 KHTAP	ARXG22KMLB ARXG24/30/36/45KMLA	ARXG45/54KHTB	ARHG60LHTA	ARHG72/90LHTA	AGHG09/12/14KVCA	ABHG 18/22/24/30/36/45/54 KRTA
Energy-Saving Features	Save Human sensor										
	Human sensor control		○								
	Economy operation	●	●	●	○	●	●	●	●	●	●
	Setting temperature range limitation	○	●	○	○	●	○	○	○	○	●
	Set temperature auto return	●	●	●	○	●	●	○	○	●	●
Features for Comfort	Power diffuser										
	Powerful operation									●	
	10°C Heat	●	○	○	○	○	○	○	○	●	○
	Outdoor unit low noise operation		○ (45/54)			○ (45/54)	○ (45) (36/45/54)	○	○	●	○
	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										
	Ion deodorization filter									●	
	Apple-catechin filter									●	
	Long-life filter				○	○	○	○	○		
	Washable panel										
Installation Support	Silver Ion Filter	○	○	○	○	○	○	○	○	○	
	Automatic airflow adjustment				●	●			●		
	Drain pump as standard	●	●	●	●	●	○		○		○
	Blue fin		● (30/36/45/54)		● (30/36/45/54)	● (30/36/45/54)	● (30/36/45)	●	●	●	● (30/36/45/54)
	Refrigerant cycle monitor				○						

*1 For details of Multi System Control function, refer to C-013.

*2 Wired remote controller (UTY-RNRGZ5) is required to use Special Cooling function.

*3: It is only available on the AIRSTAGE Mobile application and wired remote controller. It can not be used via wireless remote controller.

○: Optional function