Light Commercial & Residential

SPLIT & MULTI-SPLIT

Energy saving design to provide a comfortable indoor environment while being environment-friendly.

These are air conditioners that are both user-friendly and environment-friendly. General air conditioners cater to a wide range of needs, from living rooms, bedrooms, stores, small offices, through to hotels.

SPLIT
- Refrigerant R32 Models
  - Wall-Mounted
  - Cassette
  - Duct
  - Floor
  - Ceiling
- Refrigerant R410A Models
  - Duct

MULTI-SPLIT
- Refrigerant R32 Models
  - 2-unit to 5-unit Multi-Split
  - Simultaneous Multi-Split Twin/Triple
  - Simultaneous Multi-Split Twin/Triple/Double Twin
- Refrigerant R410A Models
  - 6-unit Multi-Split
  - Simultaneous Multi-Split Twin/Triple/Double Twin





SPLIT & MULTI-SPLIT

SPLIT & MULTI-SPLIT

Light Commercial & Residential

Light Commercial & Residential

SPLIT

S-004 Split Overview
S-006 Indoor Units Lineup
S-010 Features
S-015 Features Explanation
S-060 Wall-mounted Specifications
S-063 ECO Series Lineup Specifications
S-068 Feature Summary



Refrigerant R32 Models

Wall-Mounted - Built in WLAN 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

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

Cassette

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

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

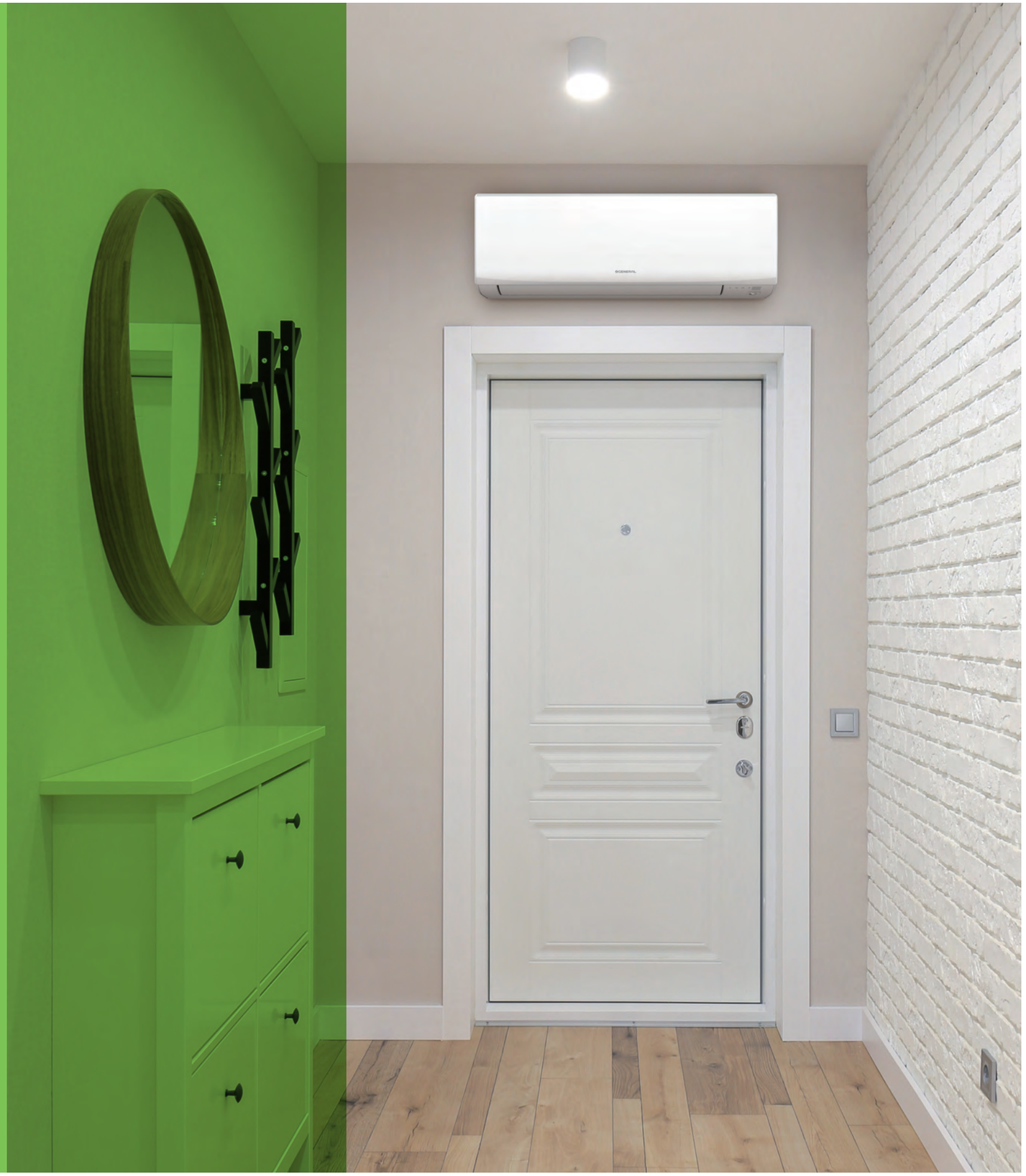
S-056 Floor – Compact Size
S-058 Ceiling



Refrigerant R410A Models

Duct

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



Split Overview

General provides its customers with 5 types and 86 models of air conditioning systems perfect for various customer applications and layouts.



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 wire 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

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. All models use the environmentally friendly refrigerant R32.



Duct

The main unit is hidden in the wall, making the room look neat and tidy. The lineup also includes slim duct models that can be installed in narrow spaces such as between beams and under ceilings. 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

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

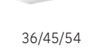
GENERAL HVAC Solutions Euro GmbH participates in the ECP program for AC. Check ongoing validity of certificate: www.eurovent-certification.com

Type	Range	Refrigerant	Model	Class 7	9	12	14	18	22	24	30	36	45	54	60	72	90
Wall-Mounted Built in WLAN adapter model	**Designer Range** Minimal Elegance Design	R32 Cooling & Heating	  NEW KJ Series	ASHH07KJCAL ASHH07KJCALB	ASHH09KJCAL ASHH09KJCALB	ASHH12KJCAL ASHH12KJCALB	ASHH14KJCAL ASHH14KJCALB										
	Standard Range High-Efficiency & Comfort	R32 Cooling & Heating	  KM Series	ASHH07KMCG ASHH07KMCG-B	ASHH09KMCG ASHH09KMCG-B	ASHH12KMCG ASHH12KMCG-B	ASHH14KMCG ASHH14KMCG-B										
	Standard Range High-Efficiency & Large Rooms	R32 Cooling & Heating	 NEW KM Series					ASHH18KMTGL		ASHH24KMTGL							
	ECO Range Compact Size	R32 Cooling & Heating	 KN Series	ASHH07KNCA	ASHH09KNCA	ASHH12KNCA											
	ECO Range Cooling-enhanced	R32 Cooling & Heating	NEW KL Series	ASHH07KLTBL	ASHH09KLTBL	ASHH12KLTBL											
	ECO Range Comfort for Large Rooms	R32 Cooling & Heating	 NEW KL Series					ASHH18KLCBL		ASHH24KLCBL							
Wall-Mounted	**Standard Range** High-Efficiency & Large Rooms	R32 Cooling & Heating	 KM Series								ASHH30KMTB	ASHH36KMTB					

Indoor Units Lineup

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

GENERAL HVAC Solutions 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
Cassette	**Compact 4-way Flow Range** Fits grid ceiling		R32 Cooling & Heating			AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA							
	Circular Flow Range Comfort for Large Rooms		R32 Cooling & Heating	 18/22/24  30/36/45/54					AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB			
Duct	**Low Static Pressure Range**	Slim Type ESP up to 90 Pa Ultra-slim 198 mm with built-in drain pump.	R32 Cooling & Heating	 09/12/14  18		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP									
	Medium Static Pressure Range	High-Efficiency & Comfort ESP up to 150 Pa The slimmest medium static pressure duct – only 240 mm with built-in drain pump.	R32 Cooling & Heating	 12/14/18  22/24  30/36/45/54			ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP	ARXH24KMTAP	ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH54KMTAP			
		Standard ESP up to 150 Pa	R32 Cooling & Heating							ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA				
	High Static Pressure Duct	Compact Size ESP up to 200 Pa Compact 300 mm design with integrated drain pump for easy installation.	R32 Cooling & Heating	 12/14  18/22/24/30  36/45/54			ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP			
		Standard ESP up to 250 Pa	R32 Cooling & Heating											ARXG45KHTB	ARXG54KHTB			
		High-Efficiency & Comfort ESP up to 260 Pa	R32 Cooling & Heating	 NEW												ARXH60KHTA		
			R410A Cooling & Heating													ARHG60LHTA		
		High-Efficiency ESP up to 200 Pa	R32 Cooling & Heating	 NEW													ARXH72KHTA	ARXH90KHTA
		Standard ESP up to 200 Pa* (*72:150 Pa)	R410A Cooling & Heating														ARHG72LHTA	ARHG90LHTA
Floor Compact & Comfort **Built in WLAN adapter model**			R32 Cooling & Heating			AGHH09KVCCL	AGHH12KVCCL	AGHH14KVCCL										
Ceiling			R32 Cooling & Heating	 18/22  24/30  36/45/54					ABHG18KRTA	ABHG22KRTA	ABHG24KRTA	ABHG30KRTA	ABHG36KRTA	ABHG45KRTA	ABHG54KRTA			

Features

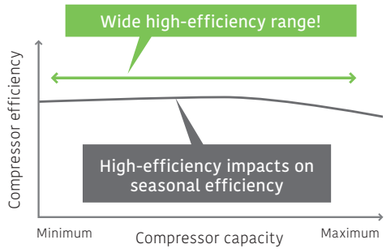
High-Efficiency

ALL DC All DC Inverter Technology


DC twin-rotary compressor

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.



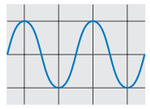
DC Fan Motor

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


DC fan motor

Sine-Wave DC Inverter Control

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



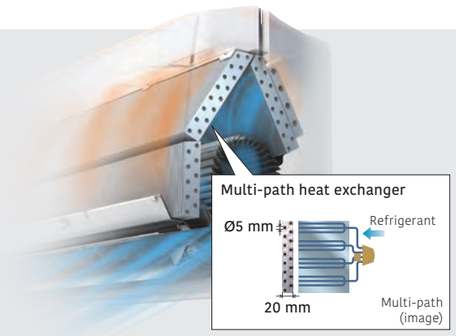
Heat Exchanger for Wall-Mounted

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

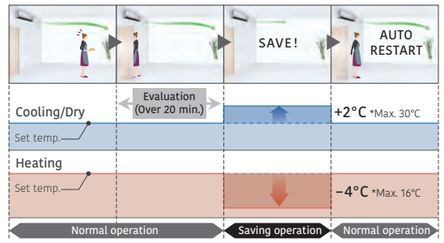
A counter-type bypass circuit has been incorporated to achieve a higher performance. (Large multi-split type, VRF)



High Energy Saving

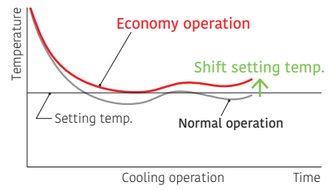
Occupancy Sensor Control

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



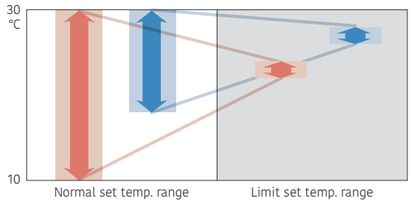
Economy Operation

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



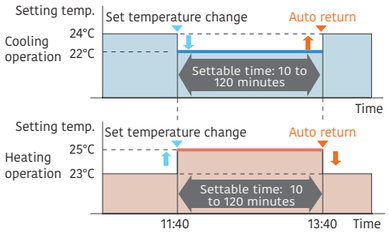
Setting Temperature Range Limitation

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



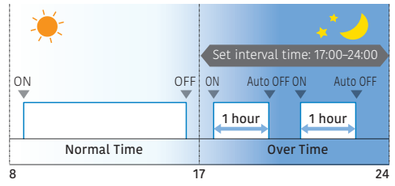
Set Temperature Auto Return

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



Auto-Off Timer

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



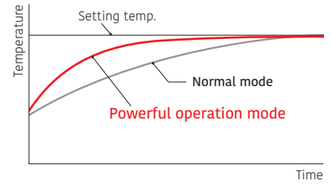


More Comfort



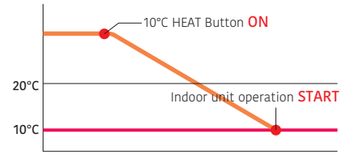
Powerful Operation

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



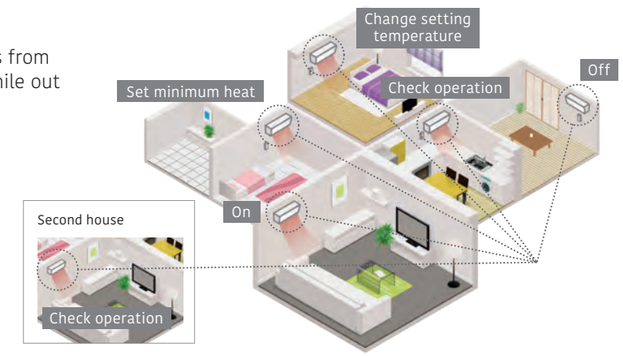
10°C Heat

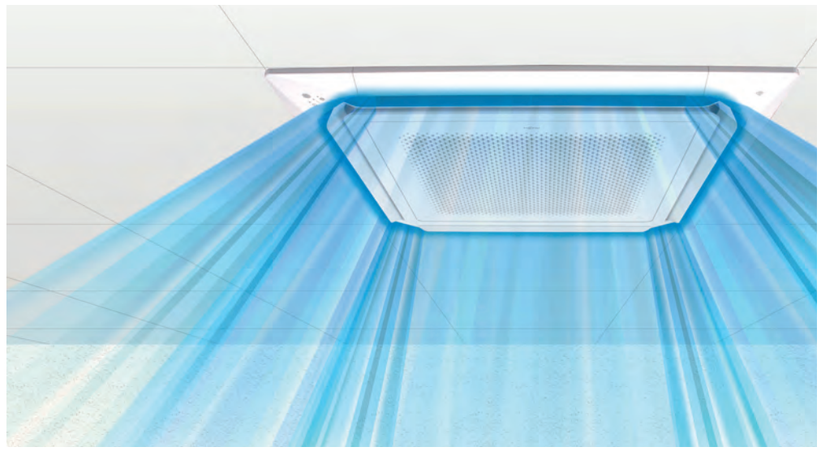
After a person has left the room, the system switches to minimum heating operation to maintain the room temperature. (Maintained at 10°C)



Wireless LAN Control

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





Individual Airflow Direction Control

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



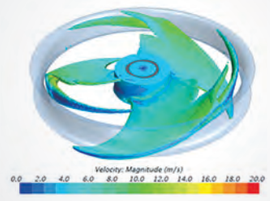
Quiet and Comfort Control



Low Noise Technology

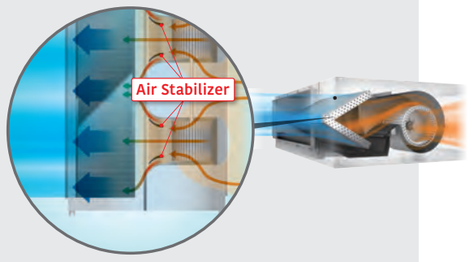
Outdoor Unit Fan

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



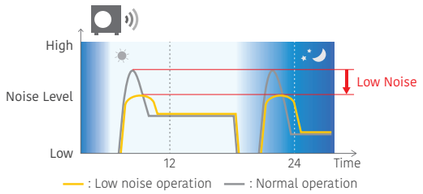
Air Stabilizer in Duct

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.

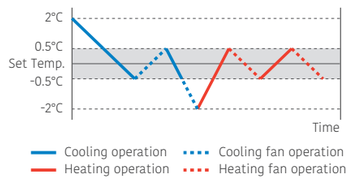


*During Outdoor unit low noise operation, the maximum capacity is reduced, so it may take longer for the room to warm up.

*Even if Outdoor unit low noise operation is set, the operating noise may not decrease if the room temperature is close to the set temperature.

Auto Changeover

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



Fresh Air Intake for Cassette, Duct, Ceiling

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



Fresh Air Intake Kit

Feature Explanation

Energy-Saving Features

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

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

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

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

Set Temperature Auto Return
The setting temperature automatically returns to the previously set temperature.

Features for Comfort

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".

Individual auto
To accommodate Europe's temperature differences between day and night, the system has a function that allows users to set separate temperatures for cooling and heating and automatically switches between them.

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.

Heat Clean
Heats the heat exchanger (aluminum fins) inside the air conditioner to over 55°C, along with any accumulated water, to quickly and effectively clean it.

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

SPLIT

NEW

KJ Series

Wall-Mounted

Built-in WLAN adapter model

Designer Range

Minimal Elegance Design



REFRIGERANT R32

reddot winner 2026

ALL DC

Save | Economy | Set Temp. | Powerful | 10°C HEAT | Low Noise | Auto Changeover | Up/Down | Double | Adjust | Restart

Sleep | Program | Weekly | Filter | LAN | Individual | ION | AF | Washable | Heat Clean | Blue Fin

Minimal Elegance

The clean lines and strong, elegant curves give it an elegant look. Its compact width allows it to be installed in narrow spaces such as above doors.

High Energy Saving

High-efficiency has been achieved by the lambda-shaped heat exchanger, large cross-flow fan, and the R32 refrigerant.

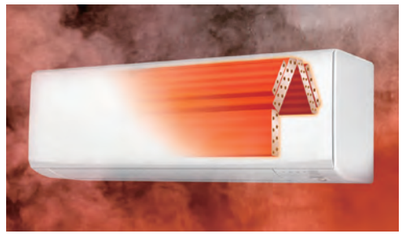
Class Cooling A+++ Heating A+++ *07 model

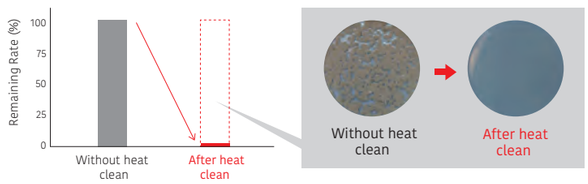
SEER 9.60* *07 model

SCOP 5.10* *07 model

Heat Clean

Heats the heat exchanger (aluminum fins) inside the air conditioner to over 55°C along with any accumulated water to quickly and effectively clean it. It is also effective against mold that has adhered to the unit.*

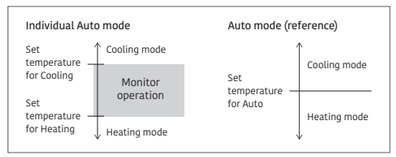




Test organization name: Kitasato Research Center for Environmental Science
Report No.: KRCES - Bio. Test Report No. 2025_1003. Mold control rate: 99% or higher after heat clean operation.
*Tested on actual equipment. (12 model) Results may vary based on usage, seasonal, and environmental variables.

INDIVIDUAL AUTO

To accommodate Europe's temperature differences between day and night, the system has a function that allows users to set separate temperatures for cooling and heating and automatically switches between them.





Equipped with Occupancy Sensor

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



SPLIT

Model: ASHH07KJCAL / ASHH09KJCAL / ASHH12KJCAL / ASHH14KJCAL
ASHH07KJCALB / ASHH09KJCALB / ASHH12KJCALB / ASHH14KJCALB

REFRIGERANT R32





WLAN adapter (Built-in)



Wireless RC

GOOD DESIGN



Specifications

Model name	Indoor unit			ASHH07KJCAL ASHH07KJCALB	ASHH09KJCAL ASHH09KJCALB	ASHH12KJCAL ASHH12KJCALB	ASHH14KJCAL ASHH14KJCALB
	Outdoor unit			AOHH07KJCA	AOHH09KJCA	AOHH12KJCA	AOHH14KJCA
Power Source				Single phase, 230V, ~50Hz			
Capacity	Cooling	Rated	kW	2.0	2.5	3.4	4.2
		Min-Max		0.9-3.0	0.9-3.2	0.9-3.9	0.9-4.3
	Heating	Rated		2.5	2.8	4.0	5.2
		Min-Max		0.9-3.6	0.9-4.5	0.9-5.4	0.9-5.9
Input Power	Cooling/Heating		kW	0.400 / 0.500	0.550 / 0.600	0.870 / 0.950	1.260 / 1.400
EER	Cooling		W/W	5.00	4.55	3.91	3.33
COP	Heating			5.00	4.67	4.21	3.71
Pdesign	Cooling/Heating(-10°C)		kW	2.0 / 2.3	2.5 / 2.4	3.4 / 2.5	4.2 / 4.0
SEER	Cooling		W/W	9.60	9.20	8.70	7.90
SCOP	Heating (Average)			5.10	5.10	5.10	4.60
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	7.0 / 9.0
Annual Energy Consumption	Cooling		kWh/a	73	95	137	186
	Heating			631	658	685	1,216
Moisture Removal			l/h	1.0	1.0	1.5	1.6
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	36 / 31 / 24 / 19	38 / 31 / 24 / 19	41 / 34 / 25 / 20	45 / 35 / 25 / 20
	Indoor (Heating)	H/M/L/Q		38 / 31 / 24 / 20	38 / 31 / 24 / 20	41 / 34 / 25 / 21	44 / 35 / 25 / 21
Sound Power Level	Outdoor(Cooling/Heating)	High		42 / 42	44 / 44	47 / 47	47 / 52
	Indoor(Cooling/Heating)	High		51 / 52	52 / 52	56 / 56	59 / 59
	Outdoor(Cooling/Heating)	High		55 / 54	56 / 55	58 / 59	59 / 63
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	540 / 1,390	580 / 1,480	630 / 1,690	720 / 1,690
	Indoor / Outdoor (Heating)	High		580 / 1,350	580 / 1,420	630 / 1,690	720 / 1,860
Net Dimensions H x W x D	Indoor		mm	270 × 798 × 240	270 × 798 × 240	270 × 798 × 240	270 × 798 × 240
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor		kg	10	10	10.5	10.5
	Outdoor		kg	30	30	31	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.)				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			-20 to 24	-20 to 24	-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	0.72 (0.486)	0.72 (0.486)	0.87 (0.587)	0.87 (0.587)

Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

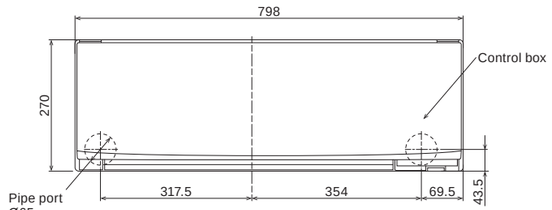
Wired Remote Controller (Design type):	UTY-RVRG	KNX® converter:	UTY-VKSX
Compact wired remote controller:	UTY-RCRGZ1	MODBUS® converter:	UTY-VMSX
Wired remote controller (touch panel):	UTY-RNRGZ6	Communication Kit:	UTY-TWRXZ2
Wired remote controller:	UTY-RLRG	External Connect Kit:	UTY-XWZX
Simple remote controller (without operation mode):	UTY-RHRGZ1		UTY-XWZXZ5
Simple remote controller:	UTY-RSRGZ1	Silver Ion filter:	UTR-FA16-5

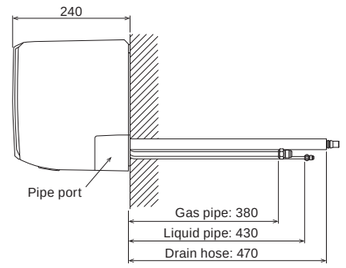
Network Convertor for single split (DC power supply type):	UTY-VTGX
Network Convertor for single split (AC power supply type):	UTY-VTGXV
External input and output PCB*1:	UTY-XCSXZ2
External switch controller:	UTY-TERX

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

Dimensions

(Unit: mm)





SPLIT

KM Series

Wall-Mounted

Built-in WLAN adapter model

Standard Range

High-Efficiency & Comfort



REFRIGERANT R32

GOOD DESIGN

ALL DC

Economy | Powerful | 10°C HEAT | Low Noise | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Filter | LAN | ION | AF+ | Washable

Slim & Stylish Square Design

The slim and stylish square design of this indoor unit is realized by using a highdensity, 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 R32 refrigerant.

Class
Cooling A++
Heating A++*

*07/09/12 models

SEER 8.40* *07/09 models

SCOP 4.60* *07/09/12 models

Comfortable Airflow & Quiet Operation

The large louver and the 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)

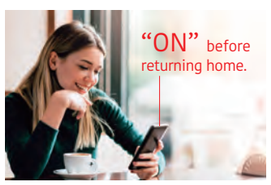
Cooling only

Smart Device Control

AIRSTAGE Mobile

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-022 for details on smart device control.

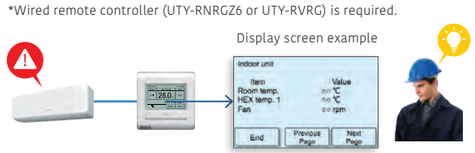


Refrigerant Cycle Monitor (Option)

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

*Wired remote controller (UTY-RNRGZ6 or UTY-RVRG) is required.

Display screen example



REFRIGERANT R32

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





WLAN adapter (Built-in)



Wireless RC



For ASHH07/09/12KMCG
ASHH07/09/12KMCG-B



For ASHH14KMCG
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	kW	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	0.650 / 0.620	0.960 / 1.020	1.220 / 1.410
EER	Cooling		W/W	4.43	3.85	3.54	3.44
COP	Heating			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)			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			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	dB(A)	38 / 33 / 29 / 20	40 / 34 / 29 / 20	40 / 35 / 30 / 20	43 / 36 / 30 / 20
	Indoor (Heating)	H/M/L/Q		41 / 35 / 31 / 22	42 / 36 / 31 / 22	42 / 38 / 33 / 22	44 / 39 / 33 / 24
Sound Power Level	Outdoor (Cooling/Heating)	High		46 / 46	46 / 46	50 / 50	50 / 50
	Indoor (Cooling/Heating)	High		54 / 56	55 / 57	55 / 58	57 / 59
	Outdoor (Cooling/Heating)	High		61 / 61	61 / 62	65 / 65	65 / 66
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	650 / 1,650	700 / 1,650	700 / 1,700	770 / 1,680
	Indoor/Outdoor (Heating)	High		720 / 1,450	750 / 1,450	780 / 1,470	820 / 1,580
Net Dimensions H x W x D	Indoor		mm	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215	270 × 834 × 215
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 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.)				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)	0.60 (0.405)	0.60 (0.405)	0.70 (0.473)	0.85 (0.574)

Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type): UTY-RVRG
Compact wired remote controller: UTY-RCRGZ1
Wired remote controller (touch panel): UTY-RNRGZ6
Wired remote controller: UTY-RLRG
Simple remote controller (without operation mode): UTY-RHRGZ1

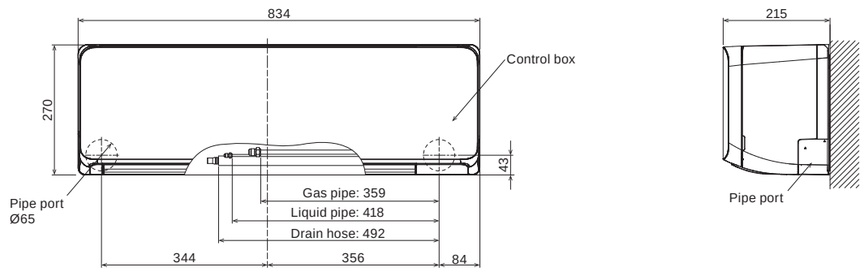
Simple remote controller: UTY-RSRGZ1
Wireless remote controller: UTY-LNWX
Communication Kit: UTY-TWRXZ2
External Connect Kit: UTY-XWZX
UTY-XWZXZ5

Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor for single split (AC power supply type): UTY-VTGXV
Silver Ion filter: UTR-FA16-5
External input and output PCB*1: UTY-XCSXZ2
External switch controller: UTY-TERX

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

Dimensions

(Unit: mm)



SPLIT

NEW

KM Series

Wall-Mounted

Built-in WLAN adapter model

Standard Range

High-Efficiency & Large Room



REFRIGERANT R32

ALL DC

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

High Energy Saving

High-efficiency has been achieved by the lambda-shaped heat exchanger, large cross-flow fan, and the R32 refrigerant.

*1 Class A++

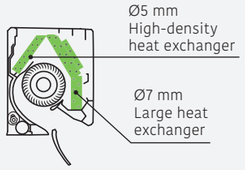
SEER 8.0*1

SCOP 4.6*1

*18 model

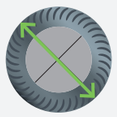
Hybrid-heat exchanger

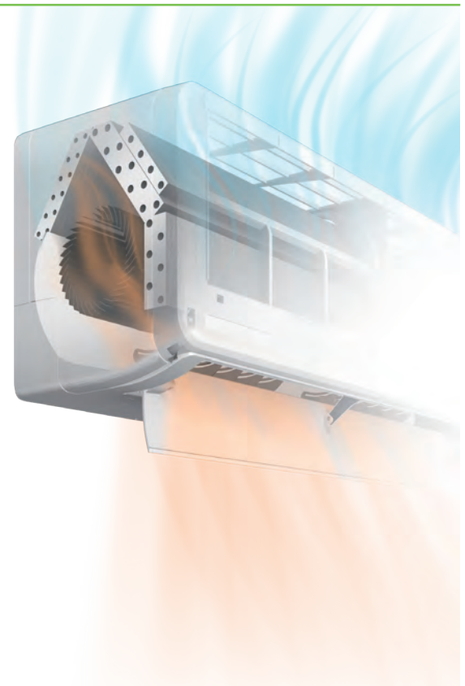
The large hybrid heat exchanger has greatly improved the heat exchange efficiency to achieve top-level SEER and SCOP.



Ø107 Large cross-flow fan

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





Smart Device Control

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.

* For more information about smart device control, please refer to the page C-022.

AIRSTAGE Mobile

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

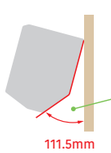


WLAN adapter (USB)



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.



Wide space requirement
Easy Installation



REFRIGERANT R32

Model: ASHH18KMTGL / ASHH24KMTGL





WLAN adapter (Built-in)



Wireless RC



For ASHH18KMTGL



For ASHH24KMTGL

Specifications

Model name	Indoor unit			ASHH18KMTGL	ASHH24KMTGL
	Outdoor unit			AOHH18KMTG	AOHH24KMTG
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	2.20/1.99
EER	Cooling		W/W	3.74	3.23
COP	Heating			4.04	4.02
Pdesign	Cooling/Heating (-10°C)		kW	5.2/4.8	7.1/7.1
SEER	Cooling		W/W	8.00	7.30
SCOP	Heating (Average)			4.60	4.30
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	227	340
	Heating			1,460	2,311
Moisture Removal			l/h	1.7	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/40/35/29	49/40/35/29
	Indoor (Heating)	H/M/L/Q		46/40/35/29	49/40/35/29
	Outdoor (Cooling/Heating)	High		50/50	54/54
Sound Power Level	Indoor (Cooling/Heating)	High		60/61	65/65
	Outdoor (Cooling/Heating)	High		65/65	67/67
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	980/2,350	1,170/3,240
	Indoor/Outdoor (Heating)	High		1,020/2,100	1,170/2,970
Net Dimensions H x W x D	Indoor		mm	280 × 980 × 240	280 × 980 × 240
	Outdoor		mm	632 × 799 × 290	716 × 820 × 315
Weight	Indoor		kg	12.5	12.5
	Outdoor		kg	36	42
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 50*	-10 to 50*
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)
	Charge		kg (CO2eq-T)	1.02 (0.689)	1.32 (0.891)

*:Outside air intake temperature

Optional parts

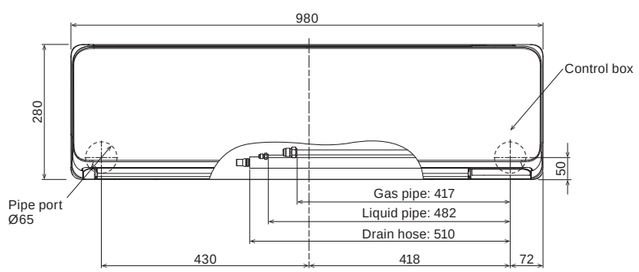
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

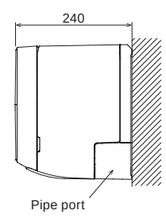
Wired Remote Controller (Design type):	UTY-RVRG	Simple remote controller:	UTY-RSRGZ1	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	Wireless remote controller:	UTY-LNWX	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ6	Communication Kit:	UTY-TWRXZ2	Silver Ion filter:	UTR-FA16-5
Wired remote controller:	UTY-RLRG	External input and output PCB*1:	UTY-XCSXZ2	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRGZ1	External Connect Kit:	UTY-XWZXZ5		

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

Dimensions

(Unit: mm)





SPLIT

KN Series

Wall-Mounted

Built-in WLAN adapter model

ECO Range

Compact Size



REFRIGERANT R32

ALL DC

Economy · Powerful · 10°C HEAT · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Filter · LAN · Washable · Blue Fin

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.

Class Cooling A++ Heating A+

SEER 7.8* SCOP 4.4

* 07 model

Comfortable Airflow & Quiet Operation

The large louver and the 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)

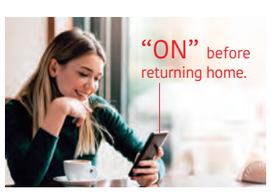
Cooling only

Smart Device Control

AIRSTAGE Mobile

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-022 for details on smart device control.



Highly Efficient Operation Even at High Outdoor Temperatures

Operating range MAX 50 °C (Cooling operation)

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

* suction temperature of the outdoor unit



REFRIGERANT R32

Model: ASHH07KNCA / ASHH09KNCA / ASHH12KNCA





WLAN adapter (Built-in)



Wireless RC



Specifications

Model name	Indoor unit			ASHH07KNCA	ASHH09KNCA	ASHH12KNCA
	Outdoor unit			AOHH07KNCA	AOHH09KNCA	AOHH12KNCA
Power Source				Single phase, ~230 V, 50 Hz		
Capacity	Cooling	Rated	kW	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		W/W	4.00	3.38	3.24
COP	Heating			4.31	4.00	3.73
Pdesign	Cooling/Heating (-10°C)		kW	2.0 / 2.3	2.5 / 2.4	3.4 / 2.5
SEER	Cooling		W/W	7.8	7.4	7.0
SCOP	Heating (Average)			4.4	4.4	4.4
Energy Efficiency Class	Cooling			A++	A++	A++
	Heating (Average)			A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0
Annual Energy Consumption	Cooling		kWh/a	90	118	170
	Heating			731	763	795
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
	Outdoor (Cooling/Heating)	High		43 / 44	44 / 45	49 / 49
Sound Power Level	Indoor (Cooling/Heating)	High		51 / 52	53 / 52	55 / 53
	Outdoor (Cooling/Heating)	High		53 / 54	56 / 56	60 / 61
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	530 / 1,430	580 / 1,430	600 / 1,460
	Indoor/Outdoor (Heating)	High		580 / 1,390	580 / 1,390	600 / 1,360
Net Dimensions H x W x D	Indoor		mm	270 × 784 × 222	270 × 784 × 222	270 × 784 × 222
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290
Weight	Indoor		kg	9	9	9
	Outdoor		kg	22	22	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.)				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 50	-10 to 50	-10 to 50
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)
	Charge		kg (CO2eq-T)	0.57 (0.385)	0.57 (0.385)	0.65 (0.439)

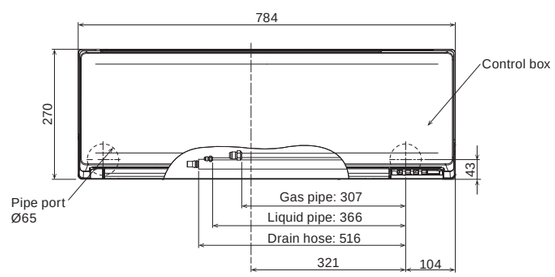
Optional parts

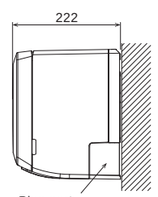
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wireless remote controller: UTY-LNWX
Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)





SPLIT

NEW

KL Series

Wall-Mounted

Built-in WLAN adapter model

ECO Range

Cooling-enhanced type



R32 REFRIGERANT

GOOD DESIGN

reddot winner 2025

ALL DC

Economy · Powerful · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Filter · LAN · Washable · Blue Fin

Highly Efficient Operation Even at High Outdoor Temperatures

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

*suction temperature of the outdoor unit

Class A++

7.1*

*07 model



MINIMAL SMART Design

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



Quiet & Comfort

21 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.

* For more information about smart device control, please refer to the page C-022.

AIRSTAGE Mobile

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



R32 REFRIGERANT

Model: ASHH07KLTBL / ASHH09KLTBL / ASHH12KLTBL





WLAN adapter (Built-in)



Wireless RC



Specifications

Model name	Indoor unit			ASHH07KLTBL	ASHH09KLTBL	ASHH12KLTBL
	Outdoor unit			AOHH07KLTA	AOHH09KLTA	AOHH12KLTA
Power Source				Single phase, -230 V, 50 Hz		
Capacity	Cooling	Rated	kW	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		W/W	3.70	3.29	3.24
COP	Heating			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)			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		47 / 47	47 / 47	50 / 50
	Indoor (Cooling/Heating)	High		56 / 56	56 / 56	56 / 57
	Outdoor (Cooling/Heating)	High		56 / 57	58 / 57	60 / 61
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/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 × 770 × 218	250 × 770 × 218	250 × 770 × 218
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 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.)				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)			R32 (675)	R32 (675)	R32 (675)
	Charge		kg (CO2eq-T)	0.53(0.358)	0.53(0.358)	0.60(0.405)

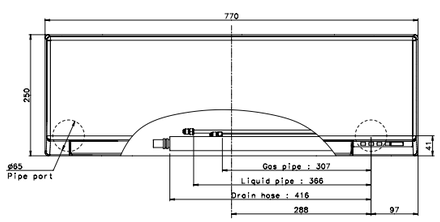
Optional parts

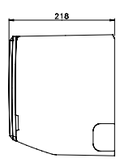
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wireless remote controller: UTY-LNWX
Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)





SPLIT

NEW

KL Series

Wall-Mounted

Built-in WLAN adapter model

ECO Range

Comfort for Large Room



REFRIGERANT R32

ALL DC

Economy | Powerful | Auto Changeover | Up/Down | Adjust | Restart | Sleep | Program | Filter | LAN | Washable | Blue Fin

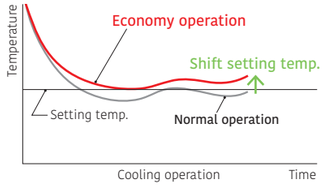
Narrow Width & Compact Design

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



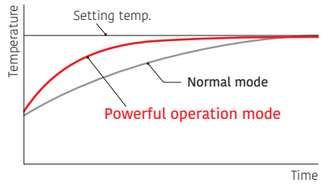
Economy Operation

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.



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.

* For more information about smart device control, please refer to the page C-022.

AIRSTAGE Mobile

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

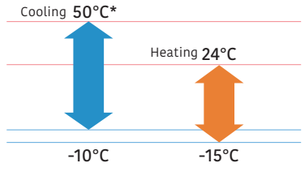


WLAN adapter (USB)



Low Ambient Operation

-15°C Heating



*:Outside air intake temperature

REFRIGERANT R32

Model: ASHH18KLCBL / ASHH24KLCBL





WLAN adapter (Built-in)



Wireless RC



For ASHH18KLCBL



For ASHH24KLCBL

Specifications

Model name	Indoor unit			ASHH18KLCBL	ASHH24KLCBL
	Outdoor unit			AOHH18KLCB	AOHH24KLCB
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	1.730/1.80	2.42/2.23
EER	Cooling		W/W	3.01	2.93
COP	Heating			3.50	3.59
Pdesign	Cooling/Heating (-10°C)		kW	5.20/4.80	7.10/7.10
SEER	Cooling		W/W	7.40	7.20
SCOP	Heating (Average)			4.30	4.00
Energy Efficiency Class	Cooling			A++	A++
	Heating (Average)			A+	A+
Max. Operating Current	Cooling/Heating		A	9.5/13.5	13.5/17.5
Annual Energy Consumption	Cooling		kWh/a	246	345
	Heating			1,560	2,482
Moisture Removal			l/h	1.9	3.1
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
	Outdoor (Cooling/Heating)	High		61/66	65/67
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	865/1,830	1,040/2,885
	Indoor/Outdoor (Heating)	High		995/2,265	1,040/3,030
Net Dimensions H x W x D	Indoor		mm	293 × 790 × 249	293 × 790 × 249
	Outdoor		mm	542 × 799 × 290	632 × 799 × 290
Weight	Indoor		kg	9.5	10.0
	Outdoor		kg	32	38
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52	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 50*	-10 to 50*
	Heating			-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)
	Charge		kg (CO2eq-T)	0.85 (0.574)	1.10 (0.743)

*:Outside air intake temperature

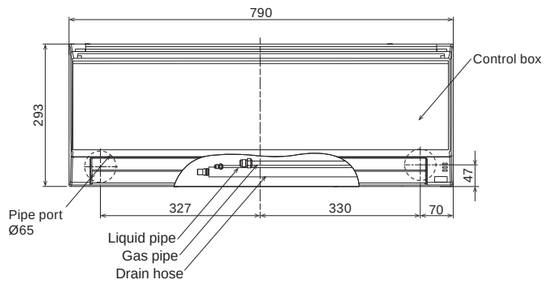
Optional parts

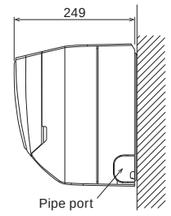
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wireless remote controller: UTY-LNWX
Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)





SPLIT

KM Series

Wall-Mounted

Standard Range

High-Efficiency & Large Room



REFRIGERANT R32

ALL DC

Save | Economy | Powerful | 10°C HEAT | Low Noise | Auto Changeover | Double | Adjust | Restart | Sleep | Program | Weekly | Filter | Special Cooling | ION | AF | Washable | Blue Fin

Special Cooling

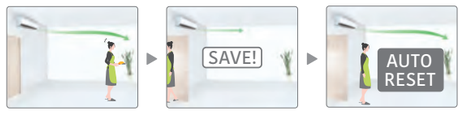
When it is necessary to be constantly cooled such as rooms with a high heat load, it is possible to operate the cooling with keeping performance even when the outside temperature is low.

* Wired remote controller (UTY-RNRGZ6) 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.



Occupancy Sensor

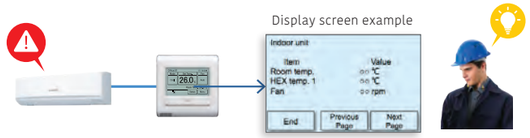
The Occupancy sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



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-RNRGZ6 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-022.

AIRSTAGE Mobile

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



REFRIGERANT R32

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	kW	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		W/W	3.43	2.97
COP	Heating			4.00	3.70
Pdesign	Cooling/Heating (-10°C)		kW	8.0/6.5	9.4/7.1
SEER	Cooling		W/W	6.68	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			l/h	2.6	3.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	50/44/40/33	50/44/40/33
	Indoor (Heating)	H/M/L/Q		49/44/39/33	49/44/39/33
	Outdoor (Cooling/Heating)	High		53/55	55/55
Sound Power Level	Indoor (Cooling/Heating)	High		65/65	65/65
	Outdoor (Cooling/Heating)	High		68/69	70/70
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	1,330/3,750	1,330/3,750
	Indoor/Outdoor (Heating)	High		1,330/3,750	1,330/3,750
Net Dimensions H x W x D	Indoor		mm	340 × 1,150 × 280	340 × 1,150 × 280
	Outdoor		mm	788 × 940 × 320	788 × 940 × 320
Weight	Indoor		kg	18.5	18.5
	Outdoor		kg	52.0	52.0
Connection Pipe Diameter (Liquid/Gas)			mm	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)			m	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

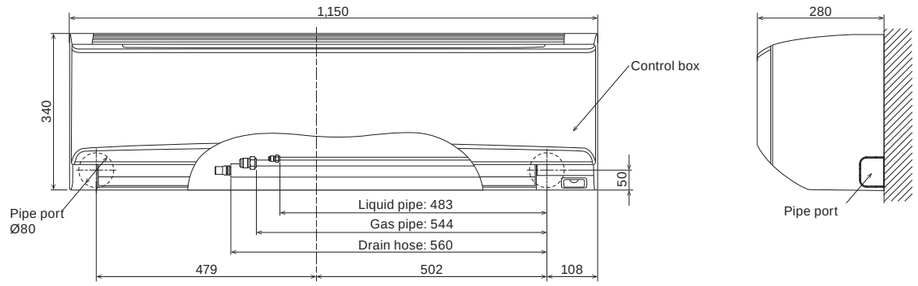
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	Wireless remote controller:	UTY-LNWX	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	Communication Kit:	UTY-TWRXZ2	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ6	External input and output PCB*1:	UTY-XCSXZ2	External switch controller:	UTY-TERX
Wired remote controller:	UTY-RLRG	WLAN adapter:	UTY-TFSXH3	External Connect Kit:	UTY-XWZXZ5
Simple remote controller (without operation mode):	UTY-RHRGZ1	Silver Ion filter:	UTR-FA13-3		
Simple remote controller:	UTY-RSRGZ1				

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

Dimensions

(Unit: mm)



Cassette

Compact 4-way Flow Range

Fits grid ceiling





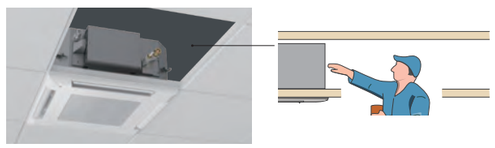
Compact and Stylish Panel Design

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.



Central Control System

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





For AUXG9/12/14KVLA For AUXG18/22KVLA For 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	kW	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
Input Power	Cooling/Heating		kW	0.55/0.79	0.93/1.08	1.28/1.32	1.60/1.66	1.82/1.87	2.21/2.03
EER	Cooling		W/W	4.57	3.76	3.36	3.25	3.30	3.08
COP	Heating			4.05	3.80	3.79	3.61	3.74	3.69
Pdesign	Cooling/Heating (-10°C)		kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4	6.0/4.8	6.8/6.0
SEER	Cooling		W/W	6.70	6.60	6.50	6.60	6.60	6.10
SCOP	Heating (Average)			4.40	4.30	4.40	4.20	4.30	4.00
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1	12.6/12.6	13.6/13.6
Annual Energy Consumption	Cooling		kWh/a	131	186	231	275	318	390
	Heating			826	1,106	1,208	1,466	1,562	2,097
Moisture Removal			l/h	0.6	1.2	1.5	2.2	2.6	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	33/31/29/27	37/34/30/27	38/34/30/27	38/34/30/26	44/42/36/30	49/44/36/30
	Indoor (Heating)	H/M/L/Q		34/32/29/27	37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33	49/45/40/33
	Outdoor (Cooling/Heating)	High		46/46	47/47	49/49	50/50	51/51	53/54
Sound Power Level	Indoor (Cooling/Heating)	High		46/47	49/49	50/55	50/55	56/57	59/61
	Outdoor (Cooling/Heating)	High		59/59	61/61	62/62	62/62	63/63	65/66
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	540/1,480	600/1,580	680/1,670	680/2,160	830/2,240	930/2,700
	Indoor/Outdoor (Heating)	High		540/1,410	600/1,520	800/1,580	800/1,830	860/1,960	930/2,700
Net Dimensions H x W x D	Indoor		mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315
Weight	Indoor		kg	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			-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

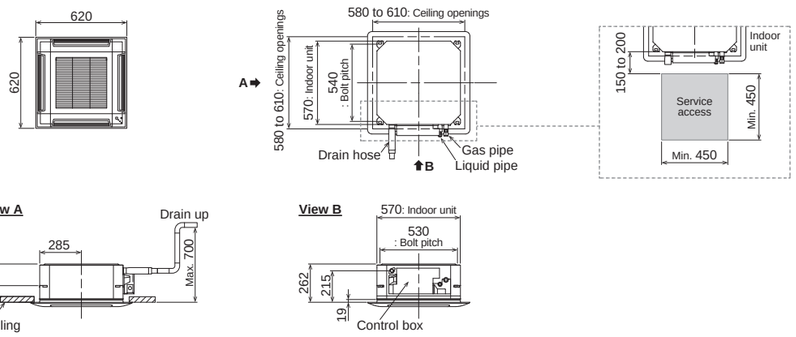
Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	Wireless remote controller:	UTY-LNTG	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	External switch controller:	UTY-TERX	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ6	WLAN adapter:	UTY-TFSXJ3	Insulation Kit for high humidity:	UTZ-KXGC
Wired remote controller:	UTY-RLRG	Air Outlet Shutter Plate:	UTR-YDZB	External input and output PCB:	UTY-XCSX
	UTY-RNNGM	Cassette Grille:	UTG-UFGF-W	External input and output PCB box:	UTZ-GXRA
	UTY-RVNGM	Fresh Air Intake Kit:	UTZ-VXAA	Silver Ion Filter:	UTD-HFAA
Simple remote controller (without operation mode):	UTY-RHRGZ1	External Connect Kit:	UTY-XWZXZG		
Simple remote controller:	UTY-RSRGZ1				

Dimensions

(Unit: mm)



Cassette

Circular Flow Range

Comfort for Large Room



REFRIGERANT R32

ALL DC

Economy · Auto Changeover · Up/Down · Adjust · Restart · Duct · Distributing · Individual · Filter · Error · Drain Pump · Blue Fin

(30/36/45/54)

Unique Circular Flow Design

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

Individual Louver Control

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

*Wired remote controller (touch panel) (UTY-RNRGZ6) only



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



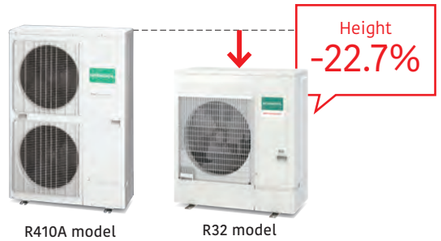
Provides efficient air conditioning based on the room layout

The Occupancy sensor yields more energy savings.

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

Compact and Lightweight Outdoor Unit

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



R410A model　　R32 model

Link Up with a Variety of Central Control System (Option)

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



Central Control System

Various Cassette Grilles

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



UTG-UKGA-W
White Grille
Wired remote controller (touch panel)



UTG-UKGA-B
Black Grille



UTG-UKGC-W
White Grille

REFRIGERANT R32

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



AUXG18/22/24KRLB

AUXG30/36/45/54KRLB



For AUXG18/22KRLB



For AUXG24KRLB



For AUXG30/36KRLB



For AUXG45/54KRLB

Specifications

Model name	Indoor unit			AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit			AOHG18KBTB	AOHG22KBTB	AOHG24KBTB	AOHG30KBTB	AOHG36KBTB	AOHG45KBTB	AOHG54KBTB	AOHG36KRTA	AOHG45KRTA	AOHG54KRTA
Power Source				Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	5.2	6.0	6.8	8.5	9.5	12.1	13.4	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	4.0-14.0	4.5-14.5	2.8-11.2	4.0-14.0	4.5-14.5
	Heating	Rated		6.0)	7.0	7.5	10.0	10.8	13.5	13.7	10.8	13.5	15.5
		Min.-Max.		0.9-7.5	0.9-8.0	0.9-9.1	2.7-11.2	2.7-12.7	4.2-16.2	4.7-16.5	2.7-12.7	4.2-16.2	4.7-16.5
Input Power	Cooling/Heating		kW	1.36/1.58	1.71/1.82	1.89/1.90	2.44/2.51	2.91/2.45	3.61/3.21	4.41/4.16	2.91/2.45	3.61/3.21	4.41/4.16
EER	Cooling		W/W	3.82	3.51	3.60	3.49	3.26	3.35	3.04	3.26	3.35	3.04
COP	Heating			3.80	3.85	3.95	3.98	4.40	4.20	3.73	4.40	4.20	3.73
Pdesign	Cooling/Heating (-10°C)		kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	12.1/9.2	13.4/9.5	9.5/8.7	12.1/9.2	13.4/9.5
SEER	Cooling		W/W	7.00	7.00	6.60	6.70	6.55	6.65	6.53	6.55	6.65	6.53
SCOP	Heating (Average)			4.30	4.40	4.20	4.30	4.30	4.33	4.31	4.30	4.33	4.31
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	-	-	A++	-	-
	Heating (Average)			A+	A+	A+	A+	A+	-	-	A+	-	-
ηc			%	-	-	-	-	-	263.0	258.2	-	263.0	258.2
ηh				-	-	-	-	-	170.2	169.4	-	170.2	169.4
Max. Operating Current	Cooling/Heating		A	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling		kWh/a	260	300	360	444	507	-	-	507	-	-
	Heating			1,431	1,527	1,999	2,601	2,828	-	-	2,828	-	-
Moisture Removal			l/h	1.5	2.2	2.7	2.5	3.3	4.5	5.0	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q		33/32/31/28	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	44/41/38/34	46/42/39/35	47/43/40/36
	Outdoor (Cooling/Heating)	High		50/50	51/51	53/54	53/55	55/55	57/57	57/59	55/55	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High		47/47	49/49	49/49	54/54	58/58	60/60	61/61	58/58	60/60	61/61
	Outdoor (Cooling/Heating)	High		62/62	63/63	65/66	68/69	70/70	71/71	73/73	70/70	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	1,050/2,160	1,050/2,240	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
	Indoor/Outdoor (Heating)	High		1,050/1,830	1,050/1,960	1,150/2,700	1,600/3,750	1,870/3,750	2,000/4,450	2,100/4,450	1,870/3,750	2,000/4,450	2,100/4,450
Net Dimensions H x W x D	Indoor		mm	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840
	Outdoor		mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg	23	23	24	26	29	29	29	29	29	29
	Outdoor		kg	36	38	42	52	52	67	67	53	67	67
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/12.70	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	9.52/15.88	9.52/15.88
Drain Hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)			m	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference				20	25	25	30	30	30	30	30	30	30
Operating Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg (CO2eq-T)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)
Cassette Grille	Variation			UTG-UKGA-W: White wired remote controller (touch panel) UTG-UKGC-W: White/UTG-UKGA-B*1: Black							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	53 × 950 × 950	53 × 950 × 950	53 × 950 × 950
	Weight		kg	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

*1: IR Receiver Kit and Occupancy Sensor Kit cannot be connected.

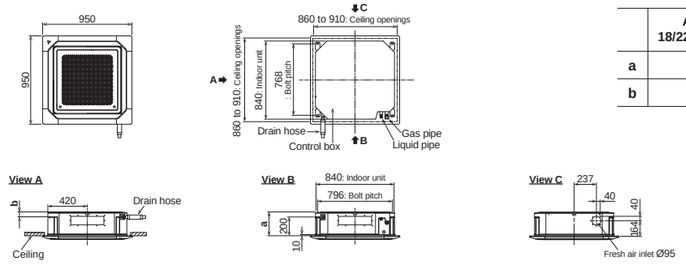
Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	WLAN adapter:	UTY-TFSXJ3	Cassette Grille:	UTG-UKGA-B
Compact wired remote controller:	UTY-RCRGZ1	External input and output PCB:	UTY-XCSX		UTG-UKGA-W
Wired remote controller (touch panel):	UTY-RNRGZ6	External input and output PCB box:	UTZ-GXRA		UTG-UKGC-W
Wired remote controller:	UTY-RLRG	Insulation Kit for high humidity:	UTZ-KXRA	Network Convertor for single split (DC power supply type):	UTY-VTGX
	UTY-RNNGM	Fresh Air Intake Kit:	UTZ-VXRA	Network Convertor for single split (AC power supply type):	UTY-VTGXV
	UTY-RVNGM	Wide Panel:	UTG-AKXA-W	Silver Ion Filter:	UTD-HFRA
Simple remote controller (without operation mode):	UTY-RHRGZ1	Panel Spacer:	UTG-BKXA-W	External Connect Kit:	UTY-XWZXZG
Simple remote controller:	UTY-RSRGZ1	Air Outlet Shutter Plate:	UTR-YDZK		
Occupancy Sensor Kit:	UTY-SHZXC	External switch controller:	UTY-TERX	(Outdoor unit 30/36/45/54)	
IR receiver unit	UTY-LBTGC			External Connect Kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)



	AUXG 18/22/24KRLB	AUXG 30/36/45/54KRLB
a	256	298
b	56	98

Duct

Low Static Pressure Range

Slim Type
High ESP up to 90 Pa



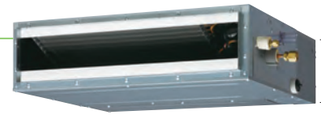
REFRIGERANT R32

ALL DC

Economy | Auto Changeover | Adjust | Restart | Filter | Error | Drain Pump

Slim Design

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



Height
198 mm
Built-in drain pump

Compact and Lightweight Outdoor Unit

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



Weight
-17.5%
12/14 models

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)

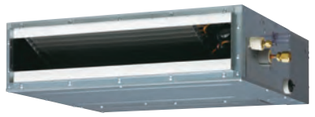
Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.



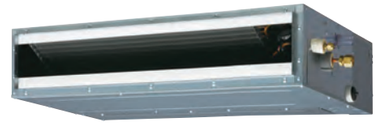
Central Control System

REFRIGERANT R32

Model: ARXG09KLLAP / ARXG12KLLAP / ARXG14KLLAP / ARXG18KLLAP



ARXG09/12/14KLLAP



ARXG18KLLAP



For ARXG09/12/14KLLAP



For 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	kW	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			4.05	3.80	3.79	3.70
Pdesign	Cooling/Heating (-10°C)		kW	2.5/2.6	3.5/3.4	4.3/3.8	5.2/4.4
SEER	Cooling		W/W	6.20	6.10	5.80	6.20
SCOP	Heating			4.30	4.00	3.90	4.10
Energy Efficiency Class	Cooling			A++	A++	A+	A++
	Heating			A+	A+	A	A+
Max. Operating Current	Cooling/Heating		A	7.9/7.9	9.7/9.7	10.2/10.2	12.1/12.1
Annual Energy Consumption	Cooling		kWh/a	141	201	259	293
	Heating			845	1,189	1,362	1,501
Moisture Removal			l/h	0.7	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q		28/26/25/24	29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor (Cooling/Heating)	High		46/46	47/47	49/49	50/50
Sound Power Level	Indoor (Cooling/Heating)	High		57/57	58/58	60/60	58/58
	Outdoor (Cooling/Heating)	High		59/59	61/61	62/62	62/62
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	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 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 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.)				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)

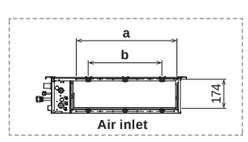
Optional parts

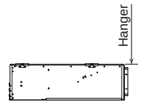
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

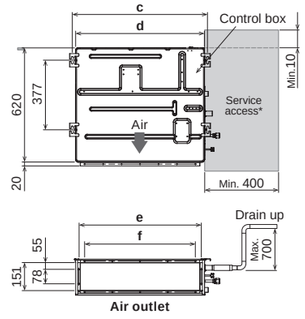
Wired Remote Controller (Design type): UTY-RVRG
Compact wired remote controller: UTY-RCRGZ1
Wired remote controller (touch panel): UTY-RNRGZ6
Wired remote controller: UTY-RLRG
UTY-RNNGM
UTY-RVNGM
Simple remote controller (without operation mode): UTY-RHRGZ1
Simple remote controller: UTY-RSRGZ1
WLAN adapter: UTY-TFSXJ3
Silver Ion Filter: UTD-HFTA (09-14)
UTD-HFTB (18)
External switch controller: UTY-TERX
IR receiver unit: UTY-LBTGM
Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor for single split (AC power supply type): UTY-VTGXV
External connect Kit: UTY-XWZXZG
Remote sensor unit: UTY-XSZXZ1
Auto Louver Grille Kit: UTD-GXTA-W (09-14)
UTD-GXTB-W (18)

Dimensions

(Unit: mm)

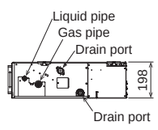






	ARXG 09 / 12 / 14KLLAP	ARXG18KLLAP
a	574	774
b	P200×2=400	P200×3=600
c	734	934
d	700	900
e	650	850
f	P100×6=600	P100×8=800

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



Duct

Medium Static Pressure Range

High-Efficiency &Comfort

ESP up to 150 Pa



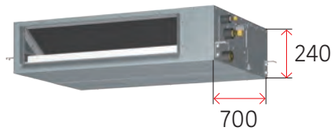
Economy · Auto Changeover · Adjust · Restart · Duct · Filter · Error Adjust · Drain Pump

Slim & Compact Design

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

Class Cooling A++ Heating A+

SEER 6.50*1

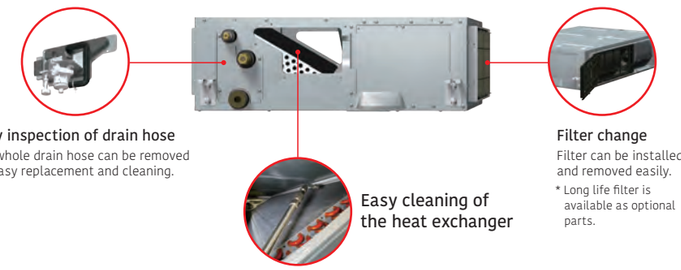
SCOP 4.20*2

*1: 12/22 models

*2: 12/22/24 models

Easy Maintenance

The indoor unit 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 accessory, making it easy to design ditch 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



ARXH12/14/18KMTAP



ARXH22/24KMTAP



for ARXH12/14KMTAP For ARXH18/22KMTAP For 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		kW	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				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)				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				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	dB(A)	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
	Outdoor (Cooling/Heating)		High		61 / 61	62 / 62	62 / 62	63 / 63	65 / 66
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	650 / 1,580	800 / 1,670	840 / 2,160	1,150 / 2,240	1,230 / 2,700
	Indoor/Outdoor (Heating)		High		650 / 1,520	800 / 1,580	840 / 1,830	1,150 / 1,960	1,230 / 2,700
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 × 700 × 700	240 × 700 × 700	240 × 700 × 700	240 × 1,000 × 700	240 × 1,000 × 700
	Outdoor			mm	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 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.)					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				-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)

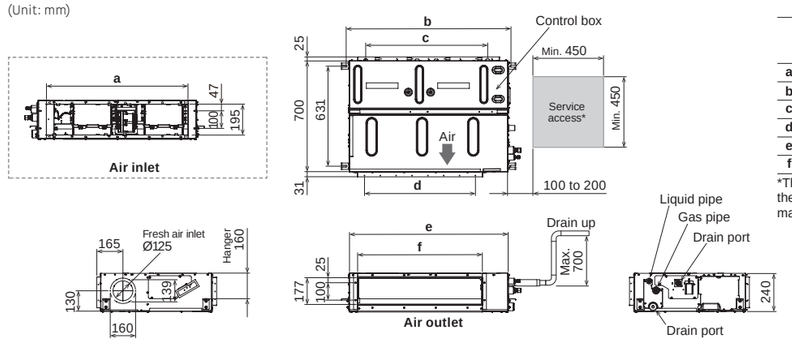
Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

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-RNRGZ6	Long-life filter:	UTD-LFDC (12/14/18)	Network Convertor for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RLRG		UTD-LFDB (22/24)	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Simple remote controller (without operation mode):	UTY-RHRGZ1	MODBUS converter:	UTY-VMSX	External Connect Kit:	UTY-XWZXZG
Simple remote controller:	UTY-RSRGZ1	KNX converer:	UTY-VKSX	IR receiver unit:	UTY-LBTGM
Remote sensor unit:	UTY-XSZX	WLAN adapter:	UTY-TFSXJ3	External switch controller:	UTY-TERX
	UTY-XSZXZ1				

Dimensions

(Unit: mm)



	ARXH 12 / 14 / 18 KMTAP	ARXH 22 / 24 KMTAP
a	650	895
b	740	1,040
c	P100 × 5 = 500	P100 × 8 = 800
d	P100 × 5 = 500	P100 × 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.

Duct

Medium Static Pressure Range

High-Efficiency &Comfort

ESP up to 150 Pa



REFRIGERANT R32

ALL DC

Economy · Auto Changeover · Adjust · Restart · Duct · Filter · Error · Adjust · Drain Pump · Blue Fin

Slim & Compact Design

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

Class Cooling A++ Heating A+

SEER 6.23 *1

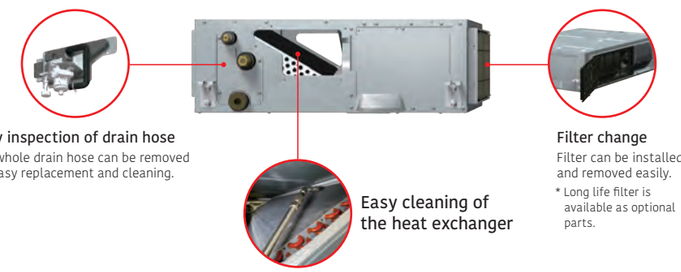
*1: 30 model

SCOP 4.10 *2

*2: 36 model

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 accessory, making it easy to design ditch even in narrow spaces under the ceiling.



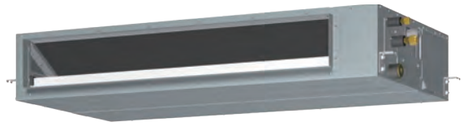
Wide Range of Static Pressures

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

Static pressure range 30 to 150 Pa

REFRIGERANT R32

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





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	12.1 / 9.2	9.5 / 8.7	12.1 / 9.2	13.4 / 9.5
SEER	Cooling		W/W	6.23	6.10	5.60	6.10	5.60	5.41
SCOP	Heating (Average)			4.00	4.10	4.10	4.10	4.10	4.10
Energy Efficiency Class	Cooling			A++	A++	-	A++	-	-
	Heating (Average)			A+	A+	-	A+	-	-
ηc			%	-	-	221.0	-	221.0	213.4
ηh				-	-	161.0	-	161.0	161.0
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
	Outdoor (Cooling/Heating)	High		53 / 55	55 / 55	57 / 57	55 / 55	57 / 57	57 / 59
Sound Power Level	Indoor (Cooling/Heating)	High		64 / 64	65 / 65	67 / 67	65 / 65	67 / 67	67 / 67
	Outdoor (Cooling/Heating)	High		68 / 69	70 / 70	71 / 71	70 / 70	71 / 71	73 / 73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/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.)				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

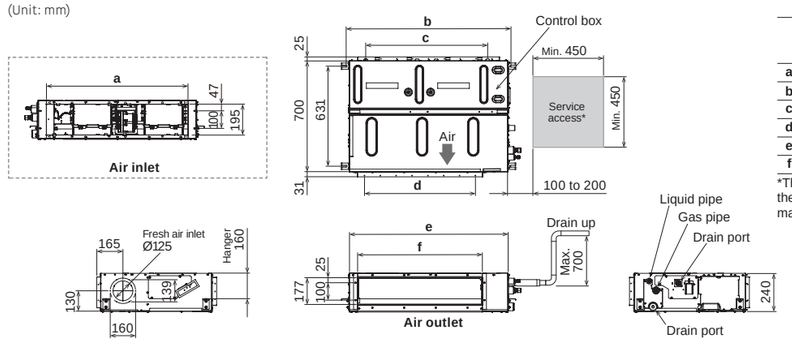
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	IR receiver unit:	UTY-LBTGM
Compact wired remote controller:	UTY-RCRGZ1	Silver ion filter:	UTD-HFNA
Wired remote controller (touch panel):	UTY-RNRGZ6	Long-life filter:	UTD-LFDA
Wired remote controller:	UTY-RLRG	MODBUS converter:	UTY-VMSX
Simple remote controller (without operation mode):	UTY-RHRGZ1	KNX converer:	UTY-VKSX
Simple remote controller:	UTY-RSRGZ1	WLAN adapter:	UTY-TFSXJ3
Remote sensor unit:	UTY-XSZX UTY-XSZXZ1	External switch controller:	UTY-TERX

External input and output PCB:	UTY-XCSX
External input and output PCB bracket:	UTZ-GXDA
Network Convertor for single split (DC power supply type):	UTY-VTGX
Network Convertor for single split (AC power supply type):	UTY-VTGXV
External Connect Kit:	UTY-XWZXZG
(Outdoor unit) External Connect Kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)



	ARXH 30 / 36 / 45 / 54 KMTAP
a	1,295
b	1,440
c	P100 × 12 = 1,200
d	P100 × 11 = 1,100
e	1,400
f	1,190

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

Duct

Medium Static Pressure Range

Standard
ESP up to 150 Pa



REFRIGERANT R32

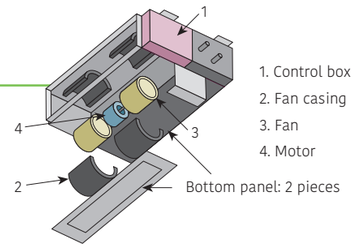
ALL DC

Economy | Auto Changeover | Adjust | Restart | Duct | Distributing | Filter | Error | Blue Fin

(30/36/45)

Easy Maintenance

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



1. Control box
2. Fan casing
3. Fan
4. Motor

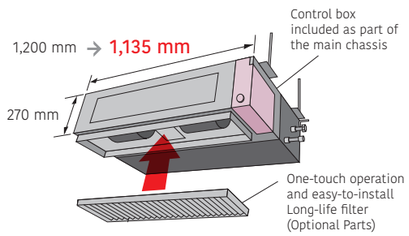
Bottom panel: 2 pieces

See below for case of rear-suction type

Slim & Compact Design

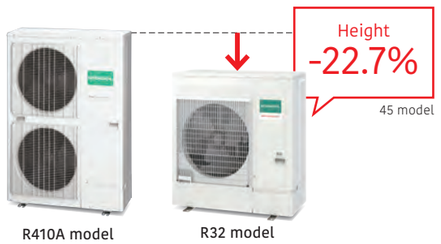
Indoor Unit

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

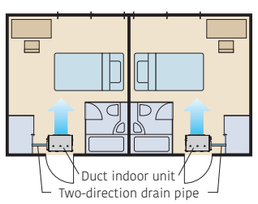


Outdoor Unit

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 Pipe



Link Up with a Variety of Central Control System (Option)

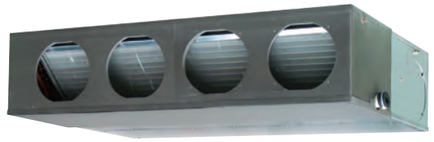
Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.



Central Control System

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

REFRIGERANT R32





For ARXG22KMLB | For ARXG24KMLA | For ARXG30/36KMLA | For ARXG45KMLA

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	kW	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			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	12.1/9.2	9.5/8.7	12.1/9.2
SEER	Cooling		W/W	6.10	6.20	6.23	6.10	5.25	6.10	5.25
SCOP	Heating			4.10	4.10	4.00	4.00	3.63	4.00	3.63
Energy Efficiency Class	Cooling			A++	A++	A++	A++	-	A++	-
	Heating			A+	A+	A+	A+	-	A+	-
ηc			%	-	-	-	-	207.0	-	207.0
ηh				-	-	-	-	142.2	-	142.2
Max. Operating Current	Cooling/Heating		A	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0
Annual Energy Consumption	Cooling		kWh/a	344	384	477	545	-	545	-
	Heating			1,637	2,045	2,797	3,044	-	3,044	-
Moisture Removal			l/h	2.1	2.5	2.5	3.0	4.0	3.0	4.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q		31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28
	Outdoor (Cooling/Heating)	High		51/51	53/54	53/55	55/55	57/57	55/55	57/57
Sound Power Level	Indoor (Cooling/Heating)	High		60/62	60/62	65/69	65/70	68/70	65/70	68/70
	Outdoor (Cooling/Heating)	High		63/63	65/66	68/69	70/70	71/71	70/70	71/71
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	1,100/2,240	1,100/2,700	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750	2,100/4,450
	Indoor/Outdoor (Heating)	High		1,100/1,960	1,100/2,700	2,100/3,750	2,100/3,750	2,100/4,450	2,100/3,750	2,100/4,450
Static pressure range (Standard)			Pa	30 to 150 (35)	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30-150 (47)	30-150 (60)
Net Dimensions H x W x D	Indoor		mm	270 × 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.)				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				25	25	30	30	30	30	30
Operating Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg (CO2eq-T)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)

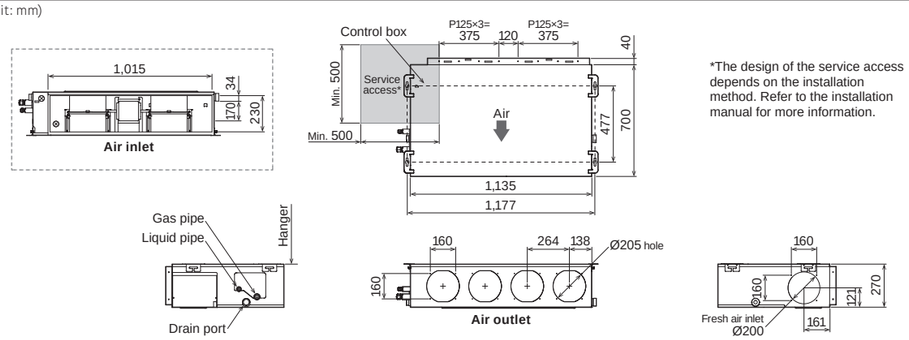
Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	WLAN adapter:	UTY-TFSXJ3	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	Flange (Round):	UTD-RF204	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ6	Flange (Square):	UTD-SF045T	Long-life filter:	UTD-LF25NA
Wired remote controller:	UTY-RLRG	IR receiver unit:	UTY-LBTGM	Silver Ion Filter:	UTD-HFND
	UTY-RNNGM	Remote sensor unit:	UTY-XSZXZ1	External Connect Kit:	UTY-XWZXZG
	UTY-RVNGM	Drain pump unit:	UTZ-PX1NBA		
Simple remote controller (without operation mode):	UTY-RHRGZ1	External switch controller:	UTY-TERX	(Outdoor unit 30/36/45)	
Simple remote controller:	UTY-RSRGZ1			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.

Duct

High Static Pressure Range

Compact Size

ESP up to 200 Pa



REFRIGERANT R32

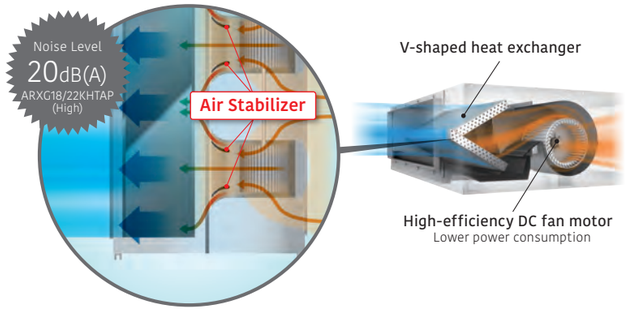
ALL DC

Economy | Auto Changeover | Adjust | Restart | Duct | Filter | Error | Adjust | Blue Fin

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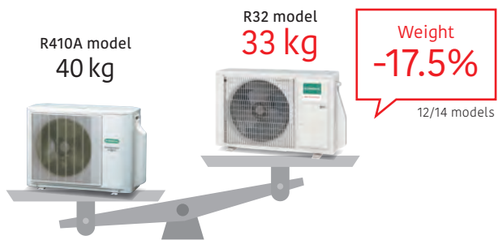
High-Efficiency & Quiet Operation

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



Small Lightweight Outdoor Unit

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



Automatic Airflow Adjustment Function

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



Link Up with a Variety of Central Control System (Option)

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



Central Control System

REFRIGERANT R32

Model: ARXG12KHTAP / ARXG14KHTAP / ARXG18KHTAP / ARXG22KHTAP / ARXG24KHTAP / ARXG30KHTAP



ARXG12/14KHTAP



ARXG18/22/24/30KHTAP



For ARXG12/14KHTAP



For ARXG18/22KHTAP



For ARXG24KHTAP



For 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	kW	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			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)			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			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	dB(A)	32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29
	Indoor (Heating)	H/M/L/Q		32/27/26/24	33/28/27/25	28/25/22/20	28/25/22/20	32/28/24/21	36/33/30/29
Sound Power Level	Outdoor (Cooling/Heating)	High		47/47	49/49	50/50	51/51	53/54	53/55
	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	m^3/h	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 × 700 × 700	300 × 700 × 700	300 × 1,000 × 700	300 × 1,000 × 700	300 × 1,000 × 700	300 × 1,000 × 700
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 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.)				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				20	20	20	25	25	30
Operating Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)		0.85 (0.574)	0.85 (0.574)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)

Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

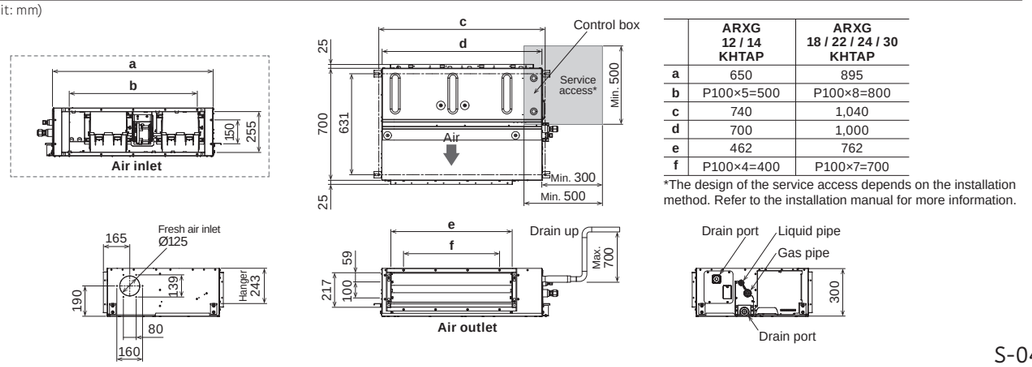
Wired Remote Controller (Design type): UTY-RVRG
Compact wired remote controller: UTY-RCRGZ1
Wired remote controller (touch panel): UTY-RNRGZ6
Wired remote controller: UTY-RLRG
UTY-RNNGM
UTY-RVNGM
Simple remote controller (without operation mode): UTY-RHRGZ1
Simple remote controller: UTY-RSRGZ1
Remote sensor unit: UTY-XSZXZ1

Long-life filter: UTD-LFNB (18-30)
UTD-LFNC (12-14)
Silver Ion Filter: UTD-HFNB (18-30)
UTD-HFNC (12/14)
WLAN adapter: UTY-TFSXJ3
IR receiver unit: UTY-LBTGM
External switch controller: UTY-TERX
External Connect Kit: UTY-XWZXZG

External input and output PCB: UTY-XCSX
External input and output PCB bracket: UTZ-GXNA
Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor for single split (AC power supply type): UTY-VTGXV
(Outdoor unit 30)
External Connect Kit: UTY-XWZXZ3

Dimensions

(Unit: mm)



	ARXG 12 / 14 KHTAP	ARXG 18 / 22 / 24 / 30 KHTAP
a	650	895
b	P100×5=500	P100×8=800
c	740	1,040
d	700	1,000
e	462	762
f	P100×4=400	P100×7=700

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

Duct

High Static Pressure Range

Compact Size

ESP up to 200 Pa



REFRIGERANT R32

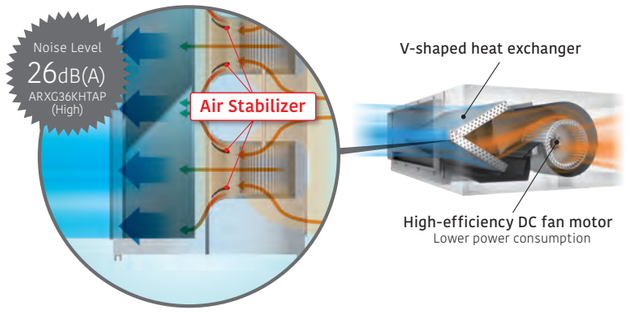
ALL DC

Economy | Auto Changeover | Adjust | Restart | Duct | Filter | Error | Adjust | Blue Fin

(36/45/54)

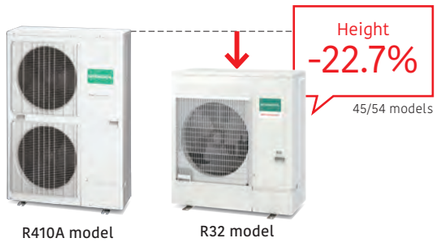
High-Efficiency & Quiet Operation

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



Small Lightweight Outdoor Unit

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



Automatic Airflow Adjustment Function

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

Static pressure 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.



Central Control System

REFRIGERANT R32

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





For ARXG36KHTAP For ARXG45/54KHTAP

Specifications

Model name	Indoor unit			ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP
	Outdoor unit			AOHG36KBTB	AOHG45KBTB	AOHG54KBTB	AOHG36KRTA	AOHG45KRTA	AOHG54KRTA
Power Source				Single phase, ~230 V, 50 Hz			3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	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
		Min.-Max.		2.7-12.7	4.2-16.2	4.7-16.5	2.7-12.7	4.2-16.2	4.7-16.5
Input Power	Cooling/Heating		kW	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			4.35	4.01	3.98	4.35	4.01	3.98
Pdesign	Cooling/Heating (-10°C)		kW	9.5 / 8.7	12.1 / 9.2	13.4 / 9.5	9.5 / 8.7	12.1 / 9.2	13.4 / 9.5
SEER	Cooling		W/W	6.10	5.83	5.81	6.10	5.83	5.81
SCOP	Heating (Average)			4.20	3.87	3.85	4.20	3.87	3.85
Energy Efficiency Class	Cooling			A++	-	-	A++	-	-
	Heating (Average)			A+	-	-	A+	-	-
ηc			%	-	230.2	229.4	-	230.2	229.4
ηh				-	151.8	151.0	-	151.8	151.0
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			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	dB(A)	36/31/28/26	39/35/31/29	39/35/31/29	36/31/28/26	39/35/31/29	39/35/31/29
	Indoor (Heating)	H/M/L/Q		33/31/28/26	39/35/31/29	39/35/31/29	33/31/28/26	39/35/31/29	39/35/31/29
	Outdoor (Cooling/Heating)	High		55/55	57/57	57/59	55/55	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High		64/63	67/69	67/69	64/63	67/69	67/69
	Outdoor (Cooling/Heating)	High		70/70	71/71	73/73	70/70	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	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)	30-200 (47)	30-200 (60)	30-200 (60)
Net Dimensions H x W x D	Indoor		mm	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700	300 × 1,400 × 700
	Outdoor		mm	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 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.)				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)	2.70 (1.823)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

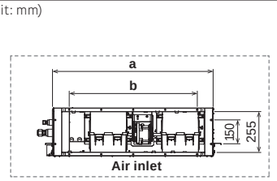
Optional parts

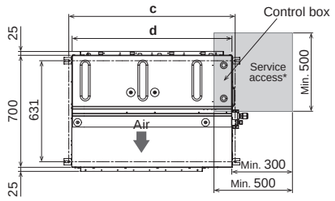
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

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-RNRGZ6	WLAN adapter:	UTY-TFSXJ3	Network Convertor for single split (DC power supply type):	UTY-VTGX
Wired remote controller:	UTY-RLRG	External switch controller:	UTY-TERX	Network Convertor for single split (AC power supply type):	UTY-VTGXV
	UTY-RNNGM	IR receiver unit:	UTY-LBTGM		
	UTY-RVNGM	External Connect Kit:	UTY-XWZXZG	(Outdoor unit 36/45/54)	
Simple remote controller (without operation mode):	UTY-RHRGZ1	Remote sensor unit:	UTY-XSZXZ1	External connect kit:	UTY-XWZXZ3
Simple remote controller:	UTY-RSRGZ1				

Dimensions

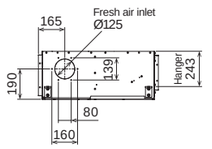
(Unit: mm)

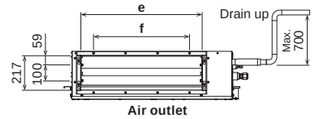


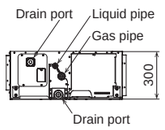


	ARXG 36 / 45 / 54 KHTAP
a	1,295
b	P100×12=1,200
c	1,440
d	1,400
e	1,162
f	P100×11=1,100

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







SPLIT

Duct

High Static Pressure Range

Standard

ESP up to 250 Pa



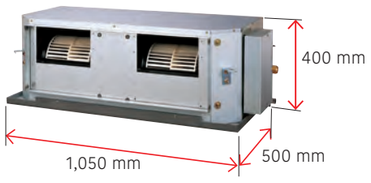
REFRIGERANT R32

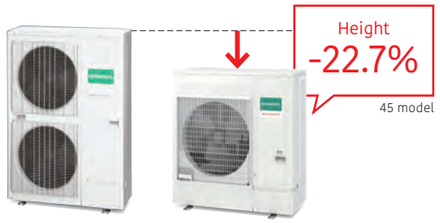
ALL DC

Economy · Auto Changeover · Adjust · Restart · Filter · Error · Blue Fin

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.



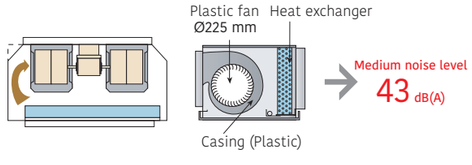


Design Also Suits High Static Pressure



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.



Central Control System

REFRIGERANT R32

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





Specifications

Model name	Indoor unit				ARXG45KHTB	ARXG54KHTB	ARXG45KHTB	ARXG54KHTB
	Outdoor unit				AOHG45KBTB	AOHG54KBTB	AOHG45KRTA	AOHG54KRTA
Power Source					Single phase, ~230 V, 50 Hz		3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated		kW	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			W/W	2.91	2.81	2.91	2.81
COP	Heating				3.74	3.71	3.74	3.71
Pdesign	Cooling/Heating (-10°C)			kW	12.1 / 9.2	13.4 / 9.5	12.1 / 9.2	13.4 / 9.5
SEER	Cooling			W/W	5.14	5.10	5.14	5.10
SCOP	Heating				4.00	3.96	4.00	3.96
Energy Efficiency Class	Cooling				-	-	-	-
	Heating				-	-	-	-
ηc				%	202.6	201.0	202.6	201.0
ηh					157.0	155.4	157.0	155.4
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	dB(A)	47/43/40	47/43/40	47/43/40	47/43/40
	Indoor (Heating)		H/M/L		47/43/40	47/43/40	47/43/40	47/43/40
	Outdoor (Cooling/Heating)		High		57/57	57/59	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)		High		75/74	75/74	75/74	75/74
	Outdoor (Cooling/Heating)		High		71/71	73/73	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
	Indoor/Outdoor (Heating)		High		3,350/4,450	3,350/4,450	3,350/4,450	3,350/4,450
Static pressure range (Standard)				Pa	100 to 250 (100)	100 to 250 (100)	100to250 (100)	100to250 (100)
Net Dimensions H x W x D	Indoor			mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500
	Outdoor			mm	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor			kg	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.)					23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max. Pipe Length (Pre-Charge)				m	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference					30	30	30	30
Operating Range	Cooling			°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating				-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge			kg (CO2eq-T)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)	2.70 (1.823)

Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type): UTY-RVRG
Compact wired remote controller: UTY-RCRGZ1
Wired remote controller (touch panel): UTY-RNRGZ6
Wired remote controller: UTY-RLRG
Simple remote controller: UTY-RSRGZ1, UTY-RHRGZ1
IR Receiver unit: UTY-LBTGM

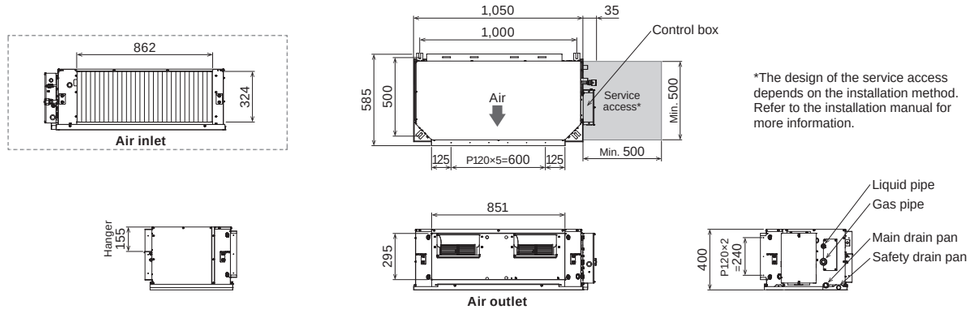
Remote sensor unit: UTY-XSZXZ1
Long-life filter: UTD-LF60KA
External switch controller: UTY-TERX
WLAN adapter: UTY-TFSXJ3
External input and output PCB: UTY-XCSX+UTZ-GXEA
External Connect Kit: UTY-XWZXZG

Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor for single split (AC power supply type): UTY-VTGXV
Silver Ion Filter: UTD-HFKB

(Outdoor unit)
External Connect Kit: UTY-XWZXZ3

Dimensions

(Unit: mm)



SPLIT

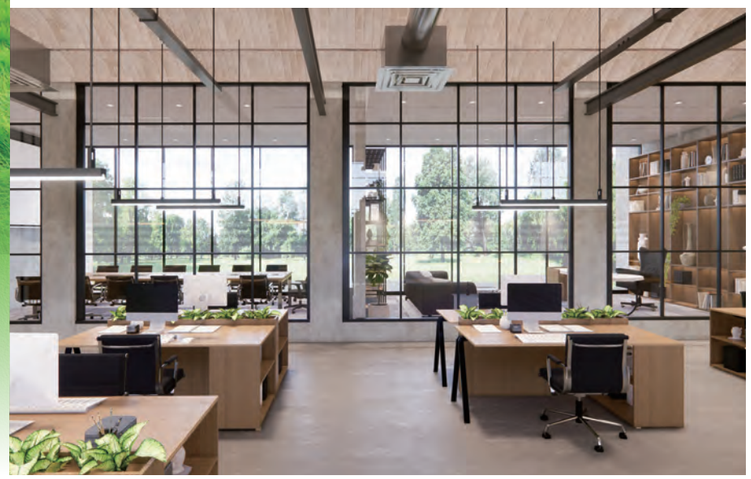
NEW

Duct

High Static Pressure Range

High-Efficiency &Comfort

ESP up to 260 Pa



REFRIGERANT R32

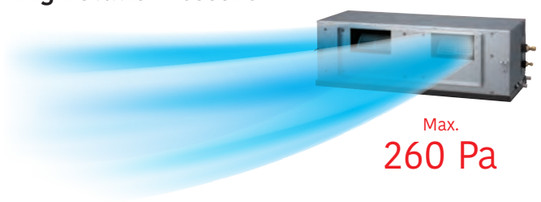
ALL DC

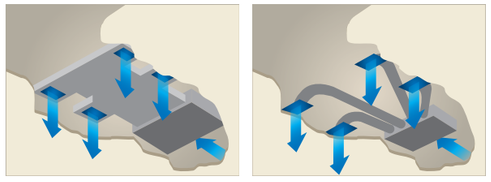
Economy · Auto Changeover · Adjust · Restart · Filter · Error · Adjust · Blue Fin

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.



Automatic Airflow Adjustment Function

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

Static pressure automatically adjust !



*The remote controller is optional parts.

Link Up with a Variety of Central Control System (Option)

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



Central Control System

REFRIGERANT R32

Model: ARXH60KHTA [3-phase]





Specifications

Model name	Indoor unit			ARXH60KHTA
	Outdoor unit			AOHH60KRTA
Power Source				3-phase, ~400 V, 50 Hz
Capacity	Cooling	Rated	kW	15.0
		Min.-Max.		5.0-17.5
	Heating	Rated		18.0
		Min.-Max.		5.1-22.4
Input Power	Cooling/Heating		kW	4.410 / 4.740
EER	Cooling		W/W	3.40
COP	Heating			3.80
Pdesign	Cooling/Heating (-10°C)		kW	15.0/10.8
SEER	Cooling		W/W	5.00
SCOP	Heating			3.90
Energy Efficiency Class	Cooling			–
	Heating			–
η_c			%	197.0
η_h				153.0
Max. Operating Current	Cooling/Heating		A	14.5 / 14.5
Annual Energy Consumption	Cooling		kWh/a	–
	Heating			–
Moisture Removal			l/h	2.4
Sound Pressure Level	Indoor (Cooling)	H/M/L	dB(A)	45 / 40 / 36
	Indoor (Heating)	H/M/L		45 / 40 / 36
	Outdoor (Cooling/Heating)	High		53 / 55
Sound Power Level	Indoor (Cooling/Heating)	High		67 / 67
	Outdoor (Cooling/Heating)	High		71 / 71
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	3,550 / 7,000
	Indoor/Outdoor (Heating)	High		3,550 / 7,000
Static pressure range (Standard)			Pa	60 to 260 (60)
Net Dimensions H x W x D	Indoor		mm	425 × 1,250 × 490
	Outdoor		mm	1,418 × 970 × 370
Weight	Indoor		kg	52
	Outdoor		kg	95
Connection Pipe Diameter (Liquid/Gas)			mm	9.52 / 15.88
Drain port Diameter (I.D./O.D.)				25 / 32
Max. Pipe Length (Pre-Charge)			m	75 (30)
Max. Height Difference				30
Operating Range	Cooling		°CDB	-15 to 50
	Heating			-20 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)
	Charge		kg (CO2eq-T)	3.40 (2.295)

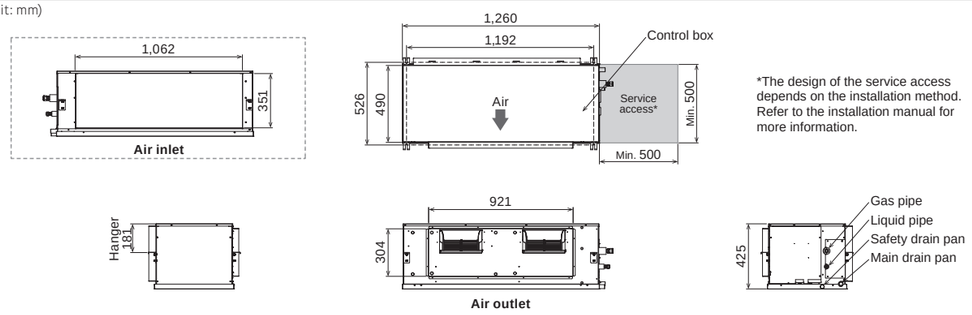
Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	MODBUS Convertor:	UTY-VMSX	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	KNX Convertor:	UTY-VKSX	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ6	External Connect Kit:	UTY-XWZXZG	External input and output PCB:	UTY-XCSX
Wired remote controller:	UTY-RLRG	Remote sensor unit:	UTY-XSZXZ1	External input and output PCB bracket:	UTZ-GXEA
Simple remote controller (without operation mode):	UTY-RHRGZ1	IR receiver unit	UTY-LBTGM		
Simple remote controller:	UTY-RSRGZ1	External switch controller:	UTY-TERX	(Outdoor unit)	
WLAN adapter:	UTY-TFSXJ3			External Connect Kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)



Duct

High Static Pressure Range

High-Efficiency &Comfort

ESP up to 260 Pa



REFRIGERANT R410A

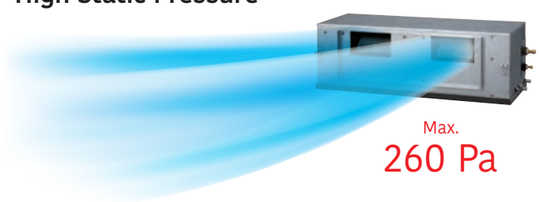
ALL DC

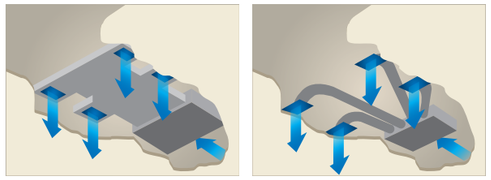
Economy · Set Temp. · Return · Auto Changeover · Adjust · Restart · Auto OFF · Weekly · +Setback · Filter · Error · Blue Fin

High Energy Efficiency

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

Design Also Corresponding to High Static Pressure





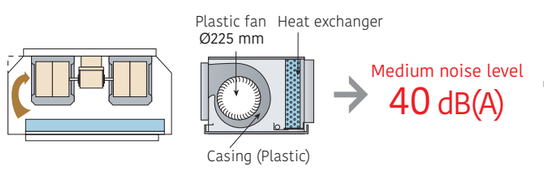
Easy Installation (Compact & Lightweight)

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.



Central Control System

REFRIGERANT R410A

Model: ARHG60LHTA [3-phase]





Wired RC



Specifications

Model name	Indoor unit			ARHG60LHTA
	Outdoor unit			AOHG60LATT
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			3.50
Pdesign	Cooling/Heating		kW	15.0 / 10.8
SEER	Cooling		W/W	4.86
SCOP	Heating			3.50
ηc			%	191.4
ηh				137.0
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 H x W x D	Indoor		mm	425 × 1,250 × 490
	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			-15 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)
	Charge		kg (CO2eq-T)	3.45 (7.204)

Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

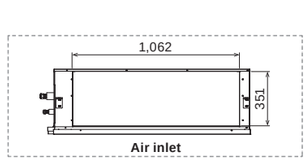
Wired remote controller: UTY-RNNGM
Wired remote controller: UTY-RVNGM
External switch controller: UTY-TERX
Remote sensor unit: UTY-XSZXZ1
IR receiver unit UTY-LRHGM
External Connect Kit: UTD-ECS5A

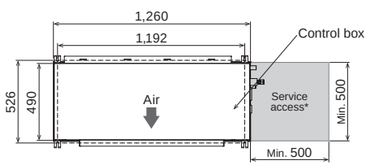
Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor for single split (AC power supply type): UTY-VTGXV

(Outdoor unit)
External Connect Kit: UTY-XWZXZ2

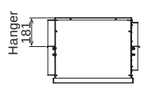
Dimensions

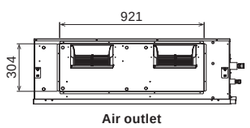
(Unit: mm)

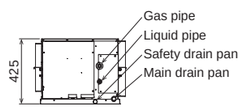




*The design of the service access depends on the installation method. Refer to the installation manual for more information.







SPLIT

NEW

Duct

High Static Pressure Range

High-Efficiency

ESP up to 200 Pa



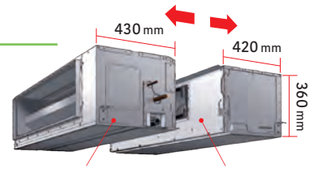
REFRIGERANT R32

ALL DC

Economy | Auto Changeover | Adjust | Restart | Filter | Error | Adjust | Blue Fin

Lightweight and Compact Design

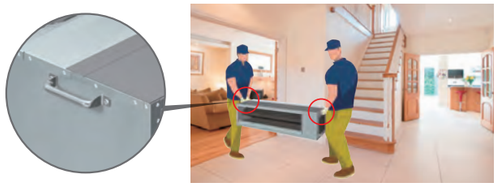
The indoor unit can be split into fan unit and heat exchanger unit. Split units can pass through a ventilation opening, helping to reduce installation time.





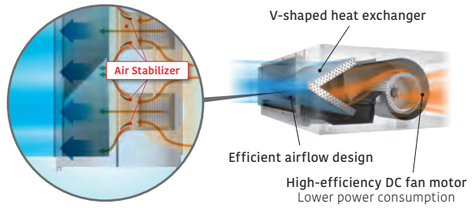
Easy To Transport

A handle has been added to the indoor unit to make it easier to carry.



Quiet Operation

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



Automatic Airflow Adjustment Function

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

Static pressure automatically adjust !



*The remote controller is optional parts.

Link Up with a Variety of Central Control System (Option)

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



Central Control System

REFRIGERANT R32

Model: ARXH72KHTA / ARXH90KHTA [3-phase]





Specifications

Model name	Indoor unit			ARXH72KHTA	ARXH90KHTA
	Outdoor unit			AOHH72KRTA	AOHH90KRTA
Power Source				3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	kW	19.0	22.0
		Min.-Max.		6.0-22.0	6.5-24.2
	Heating	Rated		22.4	25.0
		Min.-Max.		6.0-25.0	6.5-26.0
Input Power	Cooling/Heating		kW	6.030 / 6.200	7.330 / 7.360
EER	Cooling		W/W	3.15	3.00
COP	Heating			3.61	3.40
Pdesign	Cooling/Heating (-10°C)		kW	19.0/17.0	22.0/18.5
SEER	Cooling		W/W	5.70	5.40
SCOP	Heating			3.94	3.70
Energy Efficiency	Cooling			-	-
Class	Heating			-	-
ηc			%	225.0	213.0
ηh				154.6	145.0
Max. Operating Current	Cooling/Heating		A	18.0 / 18.0	18.0 / 18.0
Annual Energy Consumption	Cooling		kWh/a	-	-
	Heating			-	-
Moisture Removal			l/h	4.6	6.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43 / 41 / 38 / 35	44 / 42 / 40 / 37
	Indoor (Heating)	H/M/L/Q		43 / 41 / 38 / 35	44 / 42 / 40 / 37
	Outdoor (Cooling/Heating)	High		61 / 64	61 / 64
Sound Power Level	Indoor (Cooling/Heating)	High		73 / 73	74 / 74
	Outdoor (Cooling/Heating)	High		75 / 75	77 / 77
Airflow Rate	Indoor/Outdoor (Cooling)	High	m³/h	3,800 / 9,600	4,100 / 9,600
	Indoor/Outdoor (Heating)	High		3,800 / 9,600	4,100 / 9,600
Static pressure range (Standard)			Pa	60 to 200 (72)	60 to 200 (72)
Net Dimensions H x W x D	Indoor		mm	360 × 1,400 × 850	360 × 1,400 × 850
	Outdoor		mm	1,418 × 970 × 370	1,418 × 970 × 370
Weight	Indoor		kg	69	69
	Outdoor		kg	103	103
Connection Pipe Diameter (Liquid/Gas)			mm	12.7 / 19.05	12.7 / 19.05
Drain port Diameter (I.D./O.D.)				31 / 32	31 / 32
Max. Pipe Length (Pre-Charge)			m	100 (40)	100 (40)
Max. Height Difference				30	30
Operating Range	Cooling		°CDB	-15 to 50	-15 to 50
	Heating			-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)
	Charge	kg (CO2eq-T)		4.00 (2.700)	4.00 (2.700)

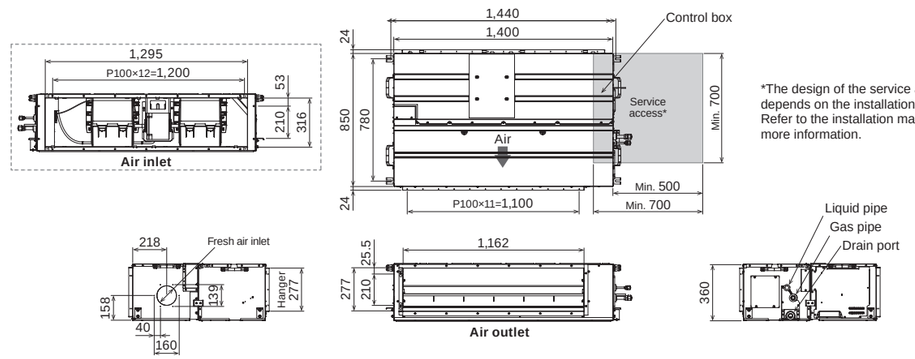
Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	WLAN adapter:	UTY-TFSXJ3	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	Long-life filter	UTD-LFKA	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ6	MODBUS Convertor:	UTY-VMSX	External input and output PCB:	UTY-XCSX
Wired remote controller:	UTY-RLRG	KNX Convertor:	UTY-VKSX	External input and output PCB bracket:	UTZ-GXNA
Simple remote controller (without operation mode):	UTY-RHRGZ1	Drain pump unit:	UTZ-PX1NAB		
Simple remote controller:	UTY-RSRGZ1	Silver Ion Filter:	UTD-HFKA	(Outdoor unit)	
External switch controller:	UTY-TERX	External Connect Kit:	UTY-XWZXZG	External Connect Kit:	UTY-XWZXZ3
IR receiver unit:	UTY-LBTGM	Remote sensor unit:	UTY-XSZXZ1	L-type piping kit:	UTP-FX06A

Dimensions

(Unit: mm)



Duct

High Static Pressure Range

Standard

ESP up to 200 Pa*
(*72:150 Pa)



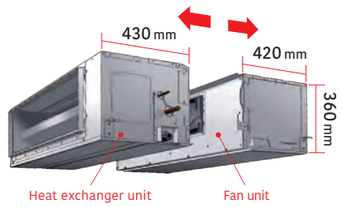
REFRIGERANT R410A

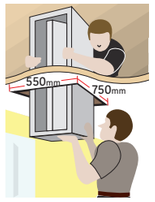
ALL DC



Lightweight and Compact Design

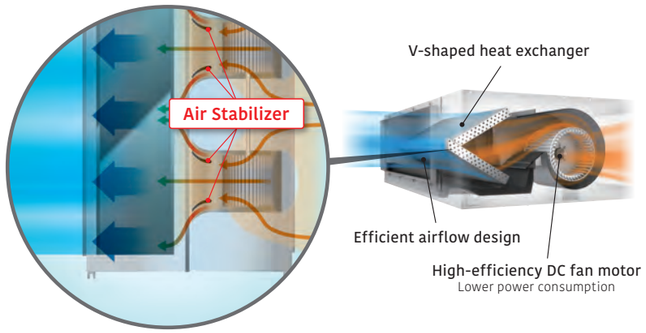
The indoor unit can be split into fan unit and heat exchanger unit. Split units can pass through a ventilation opening, helping to reduce installation time.





Quiet Operation

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



Automatic Airflow Adjustment Function

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

Static pressure 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.



Central Control System

REFRIGERANT R410A

Model: ARHG72LHTA / ARHG90LHTA





Wired RC



Specifications

Model name	Indoor unit			ARHG72LHTA	ARHG90LHTA
	Outdoor unit			AOHG72LRLA	AOHG90LRLA
Power Source	Indoor			Single phase, ~230 V, 50 Hz	
	Outdoor			3-phase, ~400 V, 50 Hz	
Capacity	Cooling	Rated	kW	19.0	22.0
		Min.-Max.		8.4-20.9	10.3-24.2
	Heating	Rated		22.4	27.0
		Min.-Max.		7.2-24.6	8.5-29.7
Input Power	Cooling/Heating		kW	6.46/6.59	7.77/8.18
EER	Cooling		W/W	2.94	2.83
COP	Heating			3.40	3.30
Pdesign	Cooling/Heating		kW	19.0 / 15.3	22.0 / 18.5
SEER	Cooling		W/W	5.22	5.14
SCOP	Heating			3.94	3.92
ηc			%	205.8	202.6
ηh				154.6	153.8
Max. Operating Current	Indoor (Cooling/Heating)		A	4.6 / 4.6	6.0 / 6.0
	Outdoor (Cooling/Heating)			15.8 / 15.8	20.6 / 20.6
Moisture Removal			l/h	4.5	6.0
Sound Pressure	Indoor (Cooling)	H/M/L/Q	dB(A)	46/43/41/39	47/44/42/40
	Indoor (Heating)	H/M/L/Q		46/43/41/39	47/44/42/40
	Outdoor (Cooling/Heating)	High		55/55	55/57
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	4,300/8,400	4,300/8,400
	Indoor/Outdoor (Heating)	High		4,300/8,400	4,300/9,000
Static pressure range (Standard)			Pa	50 to 150 (72)	50 to 200 (72)
Net Dimensions H x W x D	Indoor		mm	360 × 1,400 × 850	360 × 1,400 × 850
	Outdoor		mm	1,428 × 1,080 × 480	1,428 × 1,080 × 480
Weight	Indoor		kg	69	80
	Outdoor		kg	165	174
Connection Pipe Diameter (Liquid/Gas)			mm	12.7/25.4	12.7/25.4
Drain Hose Diameter (I.D./O.D.)				25/32	25/32
Max. Pipe Length (Pre-Charge)			m	100 (30)	100 (30)
Max. Height Difference				30	30
Operating Range	Cooling		°CDB	-15 to 46	-15 to 46
	Heating			-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)
	Charge		kg (CO_2eq-T)	5.6 (11.693)	7.1 (14.825)

Optional parts

* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type): UTY-RVRG
Compact wired remote controller: UTY-RCRGZ1
Wired remote controller (touch panel): UTY-RNRGZ6
Wired remote controller: UTY-RLRG
UTY-RNNGM
UTY-RVNGM
Simple remote controller (without operation mode): UTY-RHRGZ1
Simple remote controller: UTY-RSRGZ1

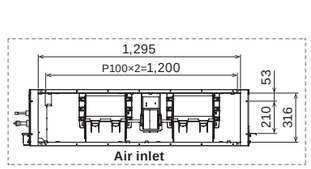
WLAN adapter: UTY-TFSXJ3
External input and output PCB: UTY-XCSX
Remote sensor unit: UTY-XSZXZ1
Long-life filter UTD-LFKA
External Connect Kit: UTY-XWZXZG
Drain pump unit: UTZ-PX1NAB
External switch controller: UTY-TERX

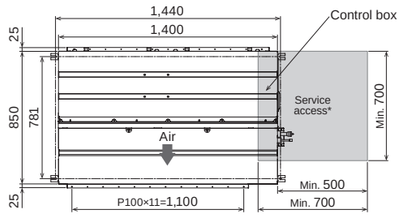
Network Convertor for single split (DC power supply type): UTY-VTGX
Network Convertor for single split (AC power supply type): UTY-VTGXV
IR receiver unit: UTY-LBTGM
Silver Ion Filter: UTD-HFKA

(Outdoor unit)
External Connect Kit: UTY-XWZXZ3

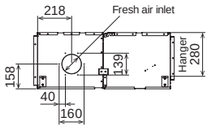
Dimensions

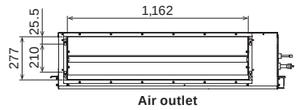
(Unit: mm)

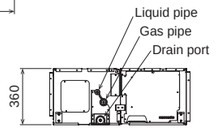




*The design of the service access depends on the installation method. Refer to the installation manual for more information.







SPLIT

NEW

Floor

Built-in WLAN adapter model
Compact Size



REFRIGERANT R32

ALL DC

Economy · Set Temp. · Powerful · 10°C HEAT · Low Noise · Auto Changeover · Up/Down · Adjust · Restart · Sleep · Program · Weekly · Filter · Error · LAN · ION · AF

High Energy Saving

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

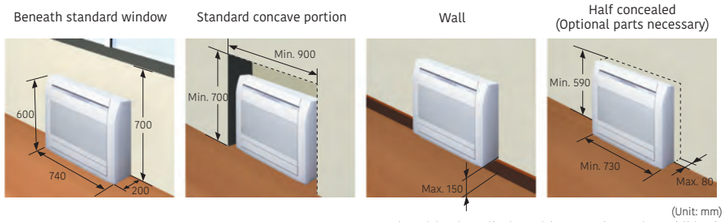
Class *1
Cooling A+++
Heating A+

SEER 8.50*1 SCOP 4.30*1

*1: 09 model

Flexible & Easy Installation

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



(Unit: mm)

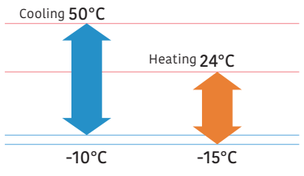
* Concaved position installation with concealment is prohibited.

Low Ambient Operation

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

-10°C Cooling

-15°C Heating



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.

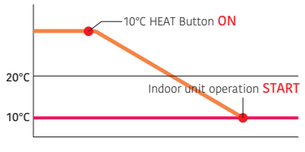
* See page C-022 for details on smart device control.

AIRSTAGE Mobile



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.



REFRIGERANT R32

Model: AGHH09KVCCL / AGHH12KVCCL / AGHH14KVCCL





Wireless RC



For AGHH09/12KVCCL



For AGHH14KVCCL

Specifications

Model name	Indoor unit			AGHH09KVCCL	AGHH12KVCCL	AGHH14KVCCL
	Outdoor unit			AOHH09KVCC	AOHH12KVCC	AOHH14KVCC
Power Source				Single phase, ~230 V, 50 Hz		
Capacity	Cooling	Rated	kW	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		W/W	4.70	4.00	3.95
COP	Heating			4.30	3.70	3.70
Pdesign	Cooling/Heating (-10°C)		kW	2.50/2.60	3.50/3.50	4.20/4.20
SEER	Cooling		W/W	8.50	8.20	8.10
SCOP	Heating (Average)			4.30	4.10	4.00
Energy Efficiency Class	Cooling			A+++	A++	A++
	Heating (Average)			A+	A+	A+
Max. Operating Current	Cooling/Heating		A	7.0/8.5	7.0/8.5	11.0/12.0
Annual Energy Consumption	Cooling		kWh/a	103	149	181
	Heating (Average)			845	1,192	1,466
Moisture Removal			l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q		41/35/29/22	41/35/29/22	43/37/29/22
Sound Power Level	Outdoor (Cooling/Heating)	High		43/47	45/51	51/50
	Indoor (Cooling/Heating)	High		53/54	53/54	57/56
	Outdoor (Cooling/Heating)	High		58/61	61/64	63/63
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	570/1,530	570/1,530	650/2,210
	Indoor/Outdoor (Heating)	High		600/1,510	600/1,510	650/2,100
Net Dimensions H x W x D	Indoor		mm	600 × 740 × 200	600 × 740 × 200	600 × 740 × 200
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290
Weight	Indoor		kg	14	14	14
	Outdoor		kg	31	31	37
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.)				13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max. Height Difference				15	15	15
Operating Range	Cooling		°CDB	-10 to 50*	-10 to 50*	-10 to 50*
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)
	Charge		kg (CO2eq-T)	0.85 (0.574)	0.85 (0.574)	0.94 (0.635)

*:Outside air intake temperature

Optional parts

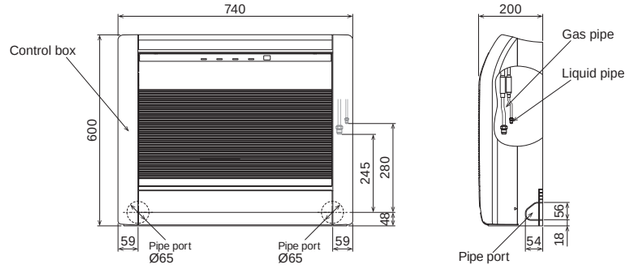
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	Simple remote controller:	UTY-RSRGZ1
Compact wired remote controller:	UTY-RCRGZ1	External switch controller:	UTY-TERX
Wired remote controller (touch panel):	UTY-RNRGZ6	Half Connect Kit:	UTR-STA
Wired remote controller:	UTY-RLRG	External Connect Kit:	UTY-XWZXZ5
Wireless remote controller:	UTY-LNWX	Communication Kit:	UTY-TWRXZ3
Simple remote controller (without operation mode):	UTY-RHRGZ1	Silver Ion Filter:	UTR-FA03-5

Network Convertor for single split (DC power supply type):	UTY-VTGX
Network Convertor for single split (AC power supply type):	UTY-VTGXV
External Connect Kit:	UTY-XWZX
MODBUS converter:	UTY-VMSX
KNX converer:	UTY-VKSX

Dimensions

(Unit: mm)



Ceiling



reddot winner 2020

(30/36/45/54)



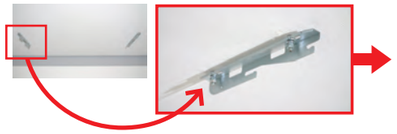
Light Elegant Design

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

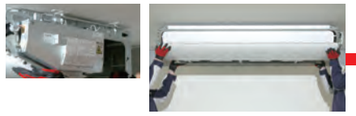
Easy Installation

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

1. Set mounting brackets



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



3. Attach with screws



Easy Maintenance

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



The drain pan can be removed for cleaning.



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



Flexible Installation

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



Link Up with a Variety of Central Control System (Option)

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



Central Control System

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



ABHG18/22KRTA



ABHG24/30KRTA



ABHG36/45/54KRTA



For ABHG18/22KRTA



For ABHG24KRTA



For ABHG30/36KRTA



For ABHG45/54KRTA

Specifications

Model name	Indoor unit			ABHG18KRTA	ABHG22KRTA	ABHG24KRTA	ABHG30KRTA	ABHG36KRTA	ABHG45KRTA	ABHG36KRTA	ABHG45KRTA	ABHG54KRTA
	Outdoor unit			AOHG18KBTB	AOHG22KBTB	AOHG24KBTB	AOHG30KBTB	AOHG36KBTB	AOHG45KBTB	AOHG36KRTA	AOHG45KRTA	AOHG54KRTA
Power Source				Single phase, ~230 V, 50 Hz						3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	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
		Min.-Max.		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
Input Power	Cooling/Heating		kW	1.55/1.62	1.87/1.95	2.14/1.97	2.65/2.77	2.96/2.88	4.22/3.84	2.96/2.88	4.22/3.84	4.45/4.43
EER	Cooling		W/W	3.35	3.21	3.18	3.21	3.21	2.87	3.21	2.87	3.01
COP	Heating			3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.50
Pdesign	Cooling/Heating (-10°C)		kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	12.1/9.2	9.5/8.7	12.1/9.2	13.4/9.5
SEER	Cooling		W/W	6.2	6.1	6.2	6.1	6.37	6.24	6.37	6.24	5.88
SCOP	Heating (Average)			4.1	4.0	4.1	4.0	4.21	4.05	4.21	4.05	3.95
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	-	A++	-	-
	Heating (Average)			A+	A+	A+	A+	A+	-	A+	-	-
ηc			%	-	-	-	-	-	246.8	-	246.8	232.2
ηh				-	-	-	-	-	158.9	-	158.9	155.0
Max. Operating Current	Cooling/Heating		A	12.1/12.1	12.6/12.6	13.6/13.6	22.6/22.6	22.6/22.6	28.5/28.5	10.5/10.5	14.0/14.0	14.0/14.0
Annual Energy Consumption	Cooling		kWh/a	293	344	384	486	524	-	524	-	-
	Heating			1,501	1,677	2,042	2,796	2,904	-	2,904	-	-
Moisture Removal			l/h	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	48/44/41/38
	Indoor (Heating)	H/M/L/Q		38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	48/44/41/38
	Outdoor (Cooling/Heating)	High		50/50	51/51	53/54	53/55	55/55	57/57	55/55	57/57	57/59
Sound Power Level	Indoor (Cooling/Heating)	High		53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60	63/63
	Outdoor (Cooling/Heating)	High		62/62	63/63	65/66	68/69	70/70	71/71	70/70	71/71	73/73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	840/2,160	900/2,240	1,230/2,700	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450	2,100/4,450
	Indoor/Outdoor (Heating)	High		840/1,830	900/1,960	1,230/2,700	1,400/3,750	1,800/3,750	1,850/4,450	1,800/3,750	1,850/4,450	2,100/4,450
Net Dimensions H x W x D	Indoor		mm	235 × 1,080 × 705	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705
	Outdoor		mm	632 × 799 × 290	632 × 799 × 290	716 × 820 × 315	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320	998 × 940 × 320
Weight	Indoor		kg	24	24	31	31	38	38	38	38	38
	Outdoor		kg	36	38	42	52	52	67	53	67	67
Connection Pipe Diameter (Liquid/Gas)			mm	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
Drain Hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32
Max. Pipe Length (Pre-Charge)			m	30 (20)	30 (20)	30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
Max. Height Difference				20	25	25	30	30	30	30	30	30
Operating Range	Cooling		°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg (CO2eq-T)	1.02 (0.689)	1.25 (0.844)	1.25 (0.844)	1.90 (1.283)	1.90 (1.283)	2.70 (1.823)	1.90 (1.283)	2.70 (1.823)	2.70 (1.823)

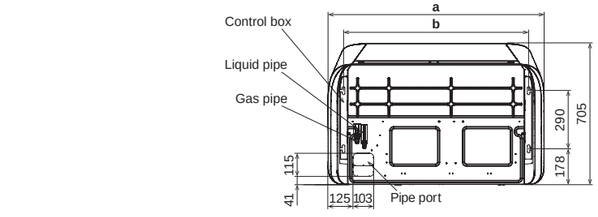
Optional parts

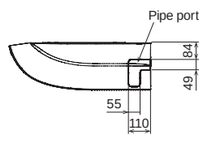
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

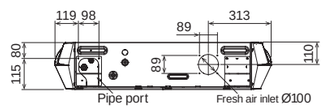
Wired Remote Controller (Design type):	UTY-RVRG	WLAN adapter:	UTY-TFSXJ3	Network Convertor for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRGZ1	Drain pump unit:	UTR-DPB24T	Network Convertor for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRGZ6	IR receiver unit:	UTY-LBTGH	External switch controller:	UTY-TERX
Wired remote controller:	UTY-RLRG	L-type Piping Kit:	UTP-FX24A (18/22/24)		
Simple remote controller (without operation mode):	UTY-RHRGZ1		UTP-FX35A (30/36/45/54)	(Outdoor unit 30/36/45/54)	
Simple remote controller:	UTY-RSRGZ1	Communication Kit:	UTY-TWRXZ3	External Connect Kit:	UTY-XWZXZ3
External input and output PCB:	UTY-XCSX	External Connect Kit:	UTY-XWZXZG		
External input and output PCB box:	UTZ-GXEA				

Dimensions

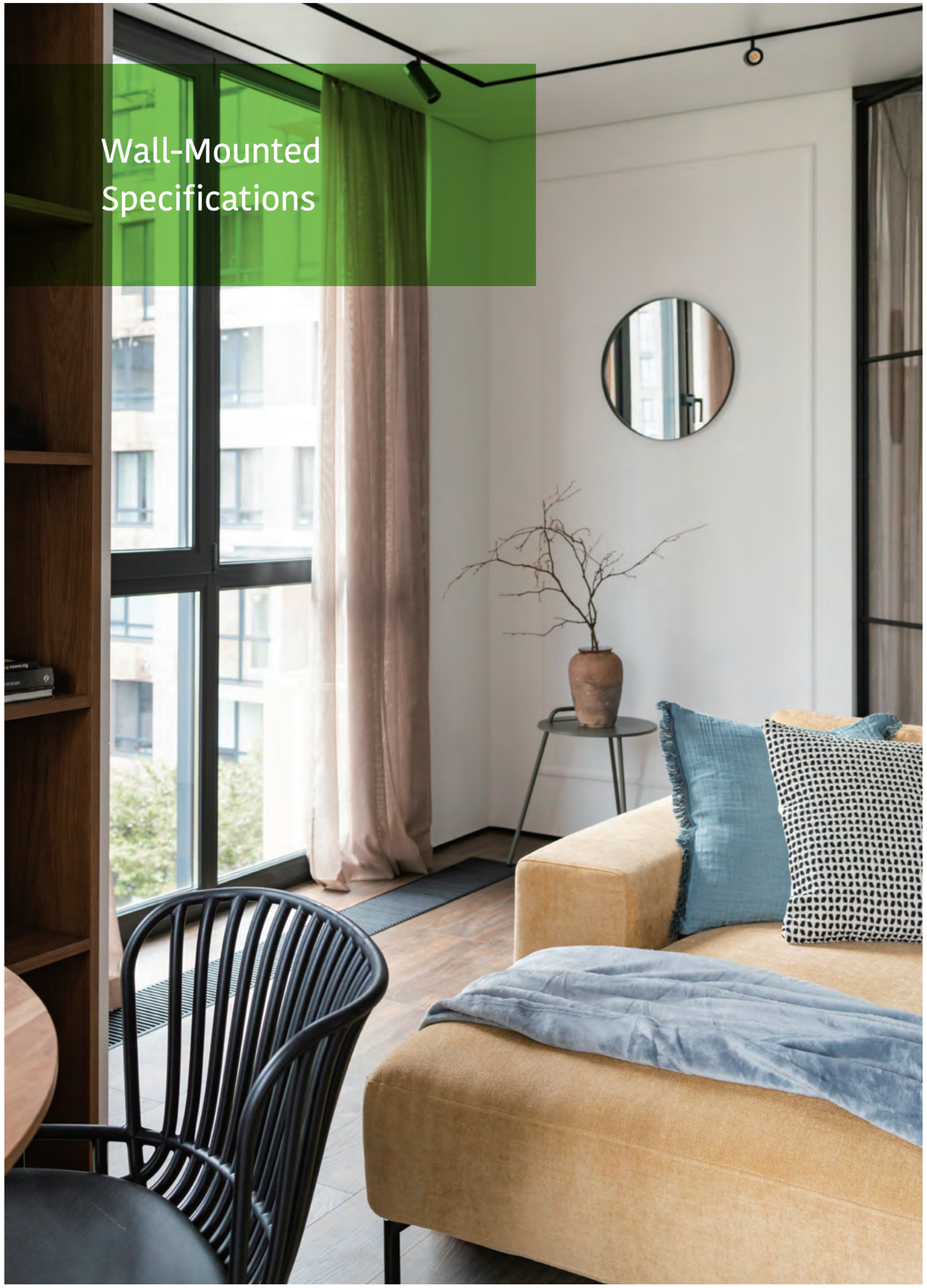
(Unit: mm)







	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

REFRIGERANT R32

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



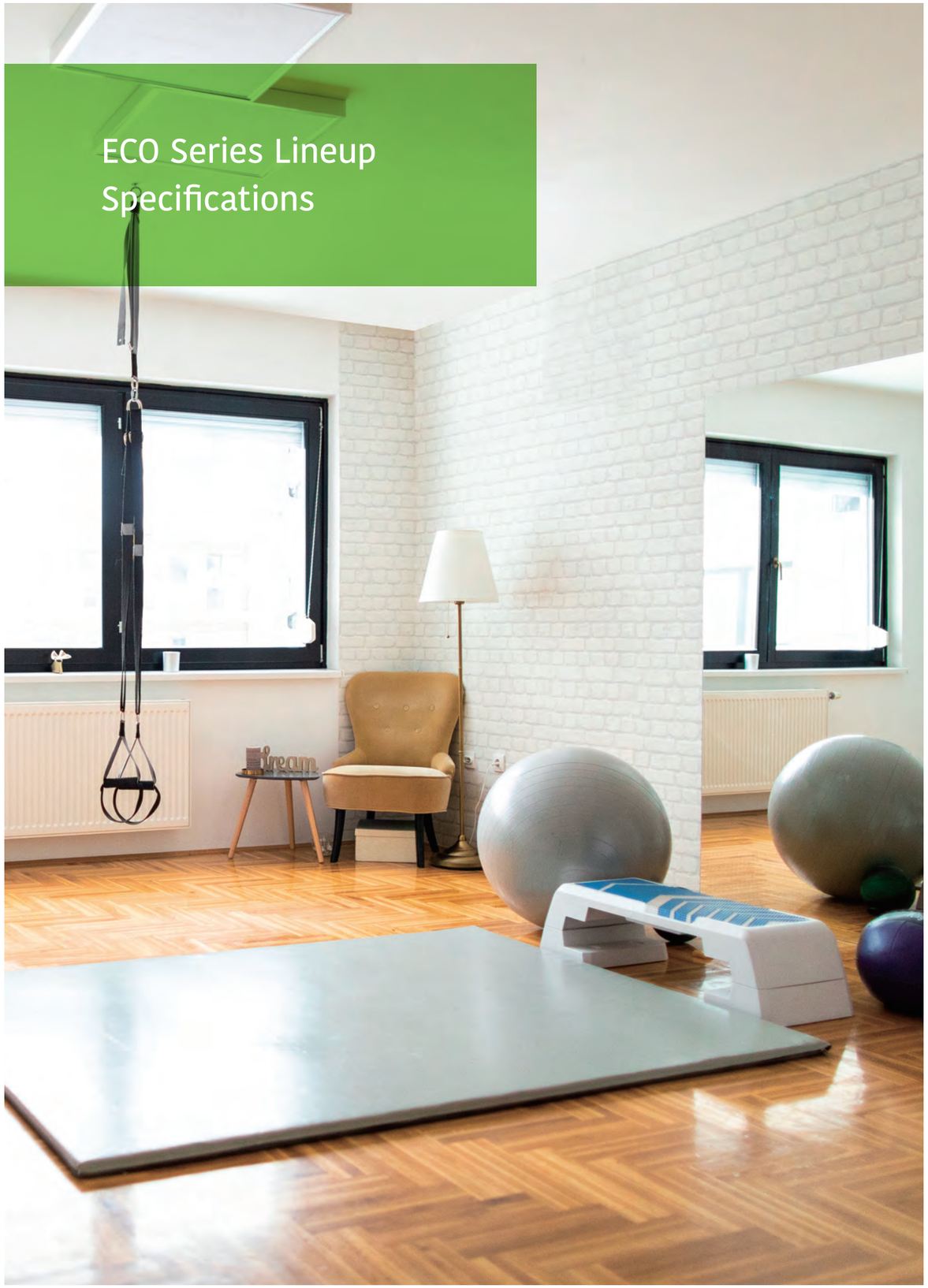


Model name	Indoor unit			ASHH07KJCA ASHH07KJCA-B	ASHH09KJCA ASHH09KJCA-B	ASHH12KJCA ASHH12KJCA-B	ASHH14KJCA ASHH14KJCA-B
	Outdoor unit			AOHH07KJCA	AOHH09KJCA	AOHH12KJCA	AOHH14KJCA
Power Source				Single phase, 230V, ~50Hz			
Capacity	Cooling	Rated	kW	2.0	2.5	3.4	4.2
		Min-Max		0.9-3.0	0.9-3.2	0.9-3.9	0.9-4.3
	Heating	Rated		2.5	2.8	4.0	5.2
		Min-Max		0.9-3.6	0.9-4.5	0.9-5.4	0.9-5.9
Input Power	Cooling/Heating		kW	0.400 / 0.500	0.550 / 0.600	0.870 / 0.950	1.260 / 1.400
EER	Cooling		W/W	5.00	4.55	3.91	3.33
COP	Heating			5.00	4.67	4.21	3.71
Pdesign	Cooling/Heating(-10°C)		kW	2.0 / 2.3	2.5 / 2.4	3.4 / 2.5	4.2 / 4.0
SEER	Cooling		W/W	9.60	9.20	8.70	7.90
SCOP	Heating (Average)			5.10	5.10	5.10	4.60
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	7.0 / 9.0
Annual Energy Consumption	Cooling		kWh/a	73	95	137	186
	Heating			631	658	685	1,216
Moisture Removal			l/h	1.0	1.0	1.5	1.6
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	36 / 31 / 24 / 19	38 / 31 / 24 / 19	41 / 34 / 25 / 20	45 / 35 / 25 / 20
	Indoor (Heating)	H/M/L/Q		38 / 31 / 24 / 20	38 / 31 / 24 / 20	41 / 34 / 25 / 21	44 / 35 / 25 / 21
	Outdoor(Cooling/Heating)	High		42 / 42	44 / 44	47 / 47	47 / 52
Sound Power Level	Indoor(Cooling/Heating)	High		51 / 52	52 / 52	56 / 56	59 / 59
	Outdoor(Cooling/Heating)	High		55 / 54	56 / 55	58 / 59	59 / 63
Airflow Rate	Indoor / Outdoor (Cooling)	High	m^3/h	540 / 1,390	580 / 1,480	630 / 1,690	720 / 1,690
	Indoor / Outdoor (Heating)	High		580 / 1,350	580 / 1,420	630 / 1,690	720 / 1,860
Net Dimensions H x W x D	Indoor		mm	270 × 798 × 240	270 × 798 × 240	270 × 798 × 240	270 × 798 × 240
	Outdoor		mm	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor		kg	10	10	10.5	10.5
	Outdoor		kg	30	30	31	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.)				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			-20 to 24	-20 to 24	-20 to 24	-20 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge		kg(CO2eq-T)	0.72 (0.486)	0.72 (0.486)	0.87 (0.587)	0.87 (0.587)

Standard series
High-Efficiency & Comfort



Model name	Indoor unit	WLAN Adapter Internal Models		ASHG07KMCF	ASHG09KMCF	ASHG12KMCF	ASHG14KMCF
		WLAN Adapter Option Models		ASHG07KMCE	ASHG09KMCE	ASHG12KMCE	ASHG14KMCE
	Outdoor unit			AOHG07KMCC	AOHG09KMCC	AOHG12KMCC	AOHG14KMCC
Power Source				Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	kW	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			4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating (-10°C)		kW	2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling		W/W	7.40	7.40	7.30	6.90
SCOP	Heating (Average)			4.10	4.10	4.40	4.10
Energy Efficiency Class	Cooling			A++	A++	A++	A++
	Heating (Average)			A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		A	6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling		kWh/a	95	118	163	213
	Heating			785	819	795	1367
Moisture Removal			l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q		41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
	Outdoor (Cooling/Heating)	High		46/46	46/46	50/50	50/50
Sound Power Level	Indoor (Cooling/Heating)	High		54/56	55/57	55/58	57/59
	Outdoor (Cooling/Heating)	High		61/61	61/62	65/65	65/66
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	650/1,650	700/1,650	700/1,700	770/1,680
	Indoor/Outdoor (Heating)	High		720/1,450	750/1,450	780/1,470	820/1,580
Net Dimensions H x W x D	Indoor		mm	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222	270 × 834 × 222
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290
Weight	Indoor		kg	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.)				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			-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)



ECO Series Lineup Specifications

Compact Cassette

For more information and the latest updates, click here



Model name	Indoor unit			AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA
	Outdoor unit			AOHG09KATA	AOHG12KATA	AOHG14KATA	AOHG18KATA	AOHG22KATA	AOHG24KATA
Power Source				Single phase, ~230 V, 50 Hz					
Capacity	Cooling	Rated	kW	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
	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			3.64	3.50	3.52	3.49	3.50	3.61
Pdesign	Cooling/Heating (-10°C)		kW	2.5/2.3	3.5/2.8	4.3/3.2	5.2/3.8	6.0/4.4	6.8/5.4
SEER	Cooling		W/W	6.2	6.1	6.1	6.1	6.1	5.9
SCOP	Heating			4.0	4.0	4.0	3.9	3.9	3.8
Energy Efficiency Class	Cooling			A++	A++	A++	A++	A++	A+
	Heating			A+	A+	A+	A	A	A
Max. Operating Current	Cooling/Heating		A	6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1	11.6/11.6	12.6/12.6
Annual Energy Consumption	Cooling		kWh/a	141	201	247	298	344	403
	Heating			804	979	1,120	1,362	1,578	1,988
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	33/31/29/27	37/34/30/27	38/34/30/27	38/34/30/26	44/42/36/30	49/44/36/30
	Indoor (Heating)	H/M/L/Q		34/32/29/27	37/34/31/29	43/38/34/30	43/38/34/30	45/43/40/33	49/45/40/33
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
	Outdoor (Cooling/Heating)	High		60/60	62/62	63/63	63/64	64/65	66/67
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	540/1,610	600/1,630	680/1,670	680/1,710	830/2,240	930/2,885
	Indoor/Outdoor (Heating)	High		540/1,550	600/1,410	800/1,580	800/1,840	860/2,240	930/2,350
Net Dimensions H x W x D	Indoor		mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290
Weight	Indoor/Outdoor		kg	15/23	15/25	15/32	15/33	16/36	16/38
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
Max. Pipe Length (Pre-Charge)			m	15 (15)	15 (15)	20 (15)	20 (15)	25 (15)	25 (20)
Operating Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
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 x 620 x 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)

For more information and the latest updates, click here



Model name	Indoor unit			AUXG18KRLB	AUXG22KRLB	AUXG24KRLB
	Outdoor unit			AOHG18KATA	AOHG22KATA	AOHG24KATA
Power Source				Single phase, ~230 V, 50 Hz		
Capacity	Cooling	Rated	kW	5.2	6.0	6.8
		Min.-Max.		0.9-5.4	0.9-6.3	0.9-7.4
	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			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			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			1,297	1,502	1,887
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	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
	Outdoor (Cooling/Heating)	High		63/64	64/65	66/67
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	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 H x W x D	Indoor		mm	246 × 840 × 840	246 × 840 × 840	246 × 840 × 840
	Outdoor		mm	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290
Weight	Indoor/Outdoor		kg	23/33	23/36	24/38
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/12.70	6.35/12.70	6.35/12.70
Max. Pipe Length (Pre-Charge)			m	20 (15)	25 (15)	25 (20)
Operating Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)
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 Occupancy Sensor Kit cannot be connected.

Circular Cassette (Large type)

For more information and the latest updates, click here



Model name	Indoor unit			AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB
	Outdoor unit			AOHG30KATA	AOHG36KATA	AOHG45KATA	AOHG54KATA	AOHG36KQTA	AOHG45KQTA	AOHG54KQTA
Power Source				Single phase, ~230 V, 50 Hz				3-phase, ~400 V, 50 Hz		
Capacity	Cooling	Rated	kW	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
	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			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	12.1/9.2	13.4/9.5	9.5/8.7	12.1/9.2	13.4/9.5
SEER	Cooling		W/W	6.1	6.1	5.40	6.00	6.1	5.40	6.00
SCOP	Heating			4.0	4.0	3.80	3.85	4.0	3.80	3.85
Energy Efficiency Class	Cooling			A++	A++	-	-	A++	-	-
	Heating			A+	A+	-	-	A+	-	-
ηc			%	-	-	213.0	237.0	-	213.0	237.0
ηh				-	-	149.0	151.0	-	149.0	151.0
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			2,794	3,044	-	-	3,044	-	-
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	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
	Outdoor (Cooling/Heating)	High		53/55	55/55	58/59	58/61	55/55	60/60	61/61
Sound Power Level	Indoor (Cooling/Heating)	High		54/54	58/58	60/60	61/61	58/58	-/-	-/-
	Outdoor (Cooling/Heating)	High		68/69	70/70	72/73	74/75	70/70	72/73	74/75
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	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	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/Outdoor		kg	26/52	29/52	29/61	29/63	29/53	29/62	29/63
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	9.52/15.88
Max. Pipe Length (Pre-Charge)			m	30 (30)	30 (30)	30 (30)	30 (30)	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	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
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	6.0

*1: IR Receiver Kit and Occupancy Sensor Kit cannot be connected.

Slim Duct

For more information and the latest updates, click here



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	kW	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
	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			3.64	3.50	3.52	3.51
Pdesign	Cooling/Heating (-10°C)		kW	2.5/2.3	3.5/2.8	4.3/3.2	5.2/3.8
SEER	Cooling		W/W	5.9	5.8	5.6	5.8
SCOP	Heating			3.8	3.8	3.8	3.8
Energy Efficiency Class	Cooling			A+	A+	A+	A+
	Heating			A	A	A	A
Max. Operating Current	Cooling/Heating		A	6.9/6.9	7.7/7.7	9.2/9.2	10.1/10.1
Annual Energy Consumption	Cooling		kWh/a	148	211	269	313
	Heating			847	1,031	1,177	1,398
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	28/27/26/25	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q		28/26/25/24	29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor (Cooling/Heating)	High		47/48	49/50	50/51	51/52
Sound Power Level	Indoor (Cooling/Heating)	High		57/57	58/58	60/60	58/58
	Outdoor (Cooling/Heating)	High		60/60	62/62	63/63	63/64
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	600/1,610	650/1,630	800/1,670	940/1,710
	Indoor/Outdoor (Heating)	High		600/1,550	650/1,410	800/1,580	940/1,840
Static pressure range (Standard)			Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D	Indoor		mm	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290
Weight	Indoor/Outdoor		kg	17/23	17/25	17/32	20/33
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70
Max. Pipe Length (Pre-Charge)			m	15 (15)	15 (15)	20 (15)	20 (15)
Operating Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)

Medium Static Pressure Duct (High-Efficiency & Comfort)

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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	kW	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			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)			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			1,005	1,148	1,363	1,578	1,936
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	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
	Outdoor (Cooling/Heating)	High		49 / 50	50 / 51	51 / 52	52 / 53	54 / 55
Sound Power Level	Indoor (Cooling/Heating)	High		58 / 58	59 / 59	60 / 60	58 / 58	60 / 60
	Outdoor (Cooling/Heating)	High		62 / 62	63 / 63	63 / 64	64 / 65	66 / 67
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	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 × 700 × 700	240 × 700 × 700	240 × 700 × 700	240 × 1,000 × 700	240 × 1,000 × 700
	Outdoor		mm	541 × 663 × 290	542 × 799 × 290	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290
Weight	Indoor/Outdoor		kg	24/25	24/32	24/33	31/36	31/38
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
Max. Pipe Length (Pre-Charge)			m	15 (15)	20 (15)	20 (15)	25 (15)	25 (20)
Operating Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating			-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)

Medium Static Pressure Duct (High-Efficiency & Comfort)

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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	kW	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			3.80	3.75	3.23	3.75	3.23
Pdesign	Cooling/Heating (-10°C)		kW	8.5 / 8.0	9.5 / 8.7	12.1 / 9.2	9.5 / 8.7	12.1 / 9.2
SEER	Cooling		W/W	5.80	5.60	4.90	5.60	4.90
SCOP	Heating (Average)			3.90	3.90	3.80	3.90	3.80
Energy Efficiency Class	Cooling			A+	A+	-	A+	-
	Heating (Average)			A	A	-	A	-
ηc			%	-	-	193.0	-	193.0
ηh				-	-	149.0	-	149.0
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			2,867	3,118	-	3,118	-
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
	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
	Outdoor (Cooling/Heating)	High		53 / 55	55 / 55	58 / 59	55 / 55	58 / 59
Sound Power Level	Indoor (Cooling/Heating)	High		64 / 64	65 / 65	67 / 67	65 / 65	67 / 67
	Outdoor (Cooling/Heating)	High		68 / 69	70 / 70	72 / 73	70 / 70	72 / 73
Airflow Rate	Indoor/Outdoor (Cooling)	High	m^3/h	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 × 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
Weight	Indoor/Outdoor		kg	42/52	42/52	42/61	42/53	42/62
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
Max. Pipe Length (Pre-Charge)			m	30 (30)	30 (30)	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
	Heating			-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)

Medium Static Pressure Duct (Standard)

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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		kW	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				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	12.1/9.2	9.5/8.7	12.1/9.2
SEER	Cooling			W/W	5.8	5.9	5.8	5.6	4.85	5.6	4.85
SCOP	Heating				3.8	3.9	3.9	3.9	3.55	3.9	3.55
Energy Efficiency Class	Cooling				A+	A+	A+	A+	-	A+	-
	Heating				A	A	A	A	-	A	-
ηc				%	-	-	-	-	191.0	-	191.0
ηh					-	-	-	-	139.0	-	139.0
Max. Operating Current	Cooling/Heating			A	11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	10.5/10.5	13.6/13.6
Annual Energy Consumption	Cooling			kWh/a	362	403	513	594	-	594	-
	Heating				1,620	1,935	2,871	3,122	-	3,122	-
Sound Pressure Level	Indoor (Cooling)		H/M/L/Q	dB(A)	31/29/27/25	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	39/35/30/26	42/38/32/28
	Indoor (Heating)		H/M/L/Q		31/29/27/25	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/35/30/26	42/38/32/28
	Outdoor (Cooling/Heating)		High		52/53	54/55	53/55	55/55	58/59	55/55	58/59
Sound Power Level	Indoor (Cooling/Heating)		High		60/62	60/62	65/69	65/70	68/70	65/70	68/70
	Outdoor (Cooling/Heating)		High		64/65	66/67	68/69	70/70	72/73	70/70	72/73
Airflow Rate	Indoor/Outdoor (Cooling)		High	m^3/h	1,100/2,240	1,100/2,885	1,900/3,750	1,900/3,750	2,100/4,450	1,900/3,750	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 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700
	Outdoor			mm	632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	998 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor/Outdoor			kg	35/36	35/38	38/52	38/52	39/61	38/53	39/62
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
Max. Pipe Length (Pre-Charge)				m	25 (15)	25 (20)	30 (30)	30 (30)	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	-10 to 46
	Heating				-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)

Ceiling

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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		kW	5.2	6.0	6.8	8.5	9.5	12.1	9.5	12.1
		Min.-Max.			0.9-5.4	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			6.0	7.0	7.5	10.0	10.8	13.5	10.8	13.5
		Min.-Max.			0.9-6.3	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	1.66/1.71	1.95/2.09	2.19/2.00	2.78/2.86	3.13/3.03	4.84/4.18	3.13/3.03	4.84/4.18
EER	Cooling			W/W	3.13	3.08	3.11	3.06	3.04	2.50	3.04	2.50
COP	Heating				3.51	3.35	3.75	3.5	3.56	3.23	3.56	3.23
Pdesign	Cooling/Heating (-10°C)			kW	5.2/3.8	6.0/4.4	6.8/5.4	8.5/8.0	9.5/8.7	12.1/9.2	9.5/8.7	12.1/9.2
SEER	Cooling			W/W	5.8	5.6	6.0	5.8	5.6	5.20	5.6	5.20
SCOP	Heating				3.8	3.8	3.9	3.9	3.9	3.80	3.9	3.80
Energy Efficiency Class	Cooling				A+	A+	A+	A+	A+	-	A+	-
	Heating				A	A	A	A	A	-	A	-
ηc				%	-	-	-	-	-	205.0	-	205.0
ηh					-	-	-	-	-	149.0	-	149.0
Max. Operating Current	Cooling/Heating			A	10.1/10.1	11.6/11.6	12.6/12.6	22.5/22.5	22.5/22.5	28.1/28.1	10.5/10.5	13.6/13.6
Annual Energy Consumption	Cooling			kWh/a	538	375	679	512	594	-	594	-
	Heating				1,398	1,618	1,935	2,871	3,117	-	3,117	-
Sound Pressure Level	Indoor (Cooling)		H/M/L/Q	dB(A)	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
	Indoor (Heating)		H/M/L/Q		38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34
	Outdoor (Cooling/Heating)		High		51/52	52/53	54/55	53/55	55/55	58/59	55/55	58/59
Sound Power Level	Indoor (Cooling/Heating)		High		53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60
	Outdoor (Cooling/Heating)		High		63/64	64/65	66/67	68/69	70/70	72/73	70/70	72/73
Airflow Rate	Indoor/Outdoor (Cooling)		High	m3/h	840/1,710	900/2,240	1,230/2,885	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450
	Indoor/Outdoor (Heating)		High		840/1,840	900/2,240	1,230/2,350	1,400/3,750	1,800/3,750	1,850/4,450	1,800/3,750	1,850/4,450
Net Dimensions H x W x D	Indoor			mm	235 × 1,080 × 705	235 × 1,080 × 705	235 × 1,390 × 705	235 × 1,390 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705	235 × 1,700 × 705
	Outdoor			mm	542 × 799 × 290	632 × 799 × 290	632 × 799 × 290	788 × 940 × 320	788 × 940 × 320	988 × 940 × 320	788 × 940 × 320	998 × 940 × 320
Weight	Indoor/Outdoor			kg	24/33	24/36	31/38	31/52	38/52	38/61	38/53	38/62
Connection Pipe Diameter (Liquid/Gas)				mm	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
Max. Pipe Length (Pre-Charge)				m	20 (15)	25 (15)	25 (20)	30 (30)	30 (30)	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	-10 to 46	-10 to 46
	Heating				-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)

Feature Summary

○ : Optional function

Type	Wall-Mounted				Wall-Mounted		
Series	Designer Range	Standard Range		ECO Range			Standard Range
							
Model name	ASHH07/09/12/14KJCAL, ASHH07/09/12/14KJCALB, ASHH07/09/12/14KJCA, ASHH07/09/12/14KJCA-B	ASHH07/09/12/14KMCG, ASHH07/09/12/14KMCG-B, ASHG07/09/12/14KMCF, ASHG07/09/12/14KMCE	ASHH18/24KMTGL	ASHH07/09/12KNCA	ASHH07/09/12KLTBL	ASHH18/24KLCBL	ASHH30/36KMTB
Energy-Saving Features — Save Occupancy sensor	●						●
Energy-Saving Features — Occupancy sensor control							
Energy-Saving Features — Economy operation	●	●	●	●	●	●	●
Energy-Saving Features — Setting temperature range limitation	●	○	○	○	○	○	○
Energy-Saving Features — Set temperature auto return	○	○	○				○
Features for Comfort — Powerful operation	●	●	●	●	●	●	●
Features for Comfort — 10°C Heat	●	●	●	●			●
Features for Comfort — Outdoor unit low noise operation	●	●	●				●
Features for Comfort — Auto changeover	●	●	●	●	●	●	●
Features for Comfort — UP/DOWN swing louver	●	●	●	●	●	●	●
Features for Comfort — Double swing automatic	●		●				●
Features for Comfort — Automatic fan speed	●	●	●	●	●	●	●
Features for Comfort — Auto restart	●	●	●	●	●	●	●
Features for Comfort — Connectable fresh air duct							
Features for Comfort — Fresh air intake							
Features for Comfort — Connectable distributing duct							
Features for Comfort — Individual airflow direction control							
Convenience Features — Auto-off timer	○	○	○				○
Convenience Features — Sleep timer	●	●	●	●	●	●	●
Convenience Features — Program timer	●	●	●	●	●	●	●
Convenience Features — Weekly timer	●	● *3 (KMCF) ○ *3 (KMCG, KMCE)	●	○ *3	●	● *3	●
Convenience Features — Weekly & Temperature setback timer	○	○	○				○
Convenience Features — Filter sign	●	●	●	●	●	●	●
Convenience Features — External error output	○	○	○				○
Convenience Features — External ON/OFF input	○	○	○				○
Convenience Features — Wireless LAN control	● (KJCAL, KJCALB) ○ (KJCA, KJCA-B)	● (KMCF, KMCG, KMCG-B) ○ (KMCE)	●	●	●	●	○
Convenience Features — Multi system control*1							○
Convenience Features — Special cooling							● *2
Convenience Features — Individual auto	●						
Clean Features — Ion deodorization filter	●	●	●				●
Clean Features — Apple-catechin filter	●	●	●				●
Clean Features — Long-life filter							
Clean Features — Washable panel	●	●	●	●	●	●	●
Clean Features — Silver Ion Filter	○	○	○	○	○	○	○
Clean Features — Heat Clean	●						
Installation / Support — Automatic airflow adjustment							
Installation / Support — Drain pump							
Installation / Support — Blue fin	●			●	●	●	●
Installation / Support — Refrigerant cycle monitor	○	○ (KMCG,KMCG-B)	○				○

*1 For details of Multi System Control function, refer to C-010.　*2 Wired remote controller (UTY-RNRGZ6) is required to use Special Cooling function.

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

Feature Summary

● : Compatible with all types of remote controls
○ : Functions available only on specific remote controls
(see Comparison Table of Controllers for details (C-010))

Type		Cassette		Duct			Duct						Floor	Ceiling
Series		Compact 4-way Flow Range Fits grid ceiling	Circular Flow Range Comfort for Large Rooms	Low Static Pressure Range Slim Duct	Medium Static Pressure Range Slim & Compact	Medium Static Pressure Range Standard	Compact Size	High Static Pressure Duct Standard			High Static Pressure Duct Big Duct			
														
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	ARXG22KMLB ARXG 24/30/36/45 KMLA	ARXG 12/14/18/22/ 24/30/36/45/54 KHTAP	ARXG45/54KHTB	ARXH60KHTA	ARHG60LHTA	ARXH72/90KHTA	ARHG72/90LHTA	AGHH 09/12/14 KVCCL	ABHG 18/22/24/30/ 36/45/54 KRTA
Energy-Saving Features	Save Occupancy sensor													
	Occupancy sensor control		○											
	Economy operation	●	●	●	●	●	●	●	●	●	●	●	●	●
	Setting temperature range limitation	○	○	○	○	○	○	○	○	●	○	●	●	○
	Set temperature auto return	○	○	○	○	○	○	○	○	●	○	●	○	○
Features for Comfort	Powerful operation												●	
	10°C Heat	○	○	○	○	○	○	○	○	○	○	○	●	○
	Outdoor unit low noise operation		○ *1 (30-54)		○ *1 (30-54)	○ *1 (30-54)	○ *1 (30-54)	○ *1	○ *1	○ *1	○ *1	○ *1	●	○ *1 (30-54)
	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*2	Auto-off timer	○	○	○	○	○	○	○	○	●	○	●	○	○
	Sleep timer	○	○	○	○	○	○	○	○	○	○	○	●	○
	Program timer	○	○	○	○	○	○	○	○	○	○	○	●	○
	Weekly timer	○	○	○	○	○	○	○	○	●	○	●	●	○
	Weekly & Temperature setback timer	○	○	○	○	○	○	○	○	●	○	●		○
	Filter sign	●	●	●	●	●	●	●	●	●	●	●	●	●
	External error output*4*5	○	○	○	○	○	○	○	○	○	○	○	○	○
	External ON/OFF input	●	●	●	●	●	●	●	●	●	●	●	○	●
	Wireless LAN control	○	○	○	○	○	○	○	○	○	○	○	●	○
	Multi system control								○		○			
	Special cooling*6								○		○			
	Individual auto													
Clean Features	Ion deodorization filter												●	
	Apple-catechin filter												●	
	Long-life filter				○	○	○	○			○	○		
	Washable panel													
	Silver Ion Filter	○	○	○	○	○	○	○			○	○	○	
	Heat Clean													
Installation / Support	Automatic airflow adjustment				●	●	●		●		●	●		
	Drain pump	●	●	●	●	○	○				○	○		○
	Blue fin		● (30/36/45/54)		● (30/36/45/54)	● (30/36/45)	● (30/36/45/54)	●	●	●	●	●		● (30/36/45/54)
	Refrigerant cycle monitor*7				○				○		○		○	

*1 External input function for the outdoor unit.
*2 For details of Convenience Features function, refer to C-010.
*3 This feature is only available when using the wireless remote controller.
*4 The Fresh air intake and External error output cannot be used simultaneously. Simultaneous use requires the external I/O board (UTY-XCSX).
*5 An optional external input/output kit is required.
*6 Wired remote controller (UTY-RNRGZ6) is required to use Special Cooling function.
*7 This function is only supported by split units, using the H-Serial communication protocol. Example: ASH**H**30KMTB