



PRODUCT LINEUP

# SPLIT & MULTI SPLIT

For LIGHT COMMERCIAL & RESIDENTIAL



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

An air conditioner that is people-friendly is also environment friendly. Fujitsu General offers a broad lineup of products from large living rooms to bedrooms and children's rooms.

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## SPLIT

### Refrigerant type R32 models

- 056 Wall Mounted Flagship Range Series
- 058 Wall Mounted Designer Range Series
  - High Spec & Design
- 060 Wall Mounted Standard Range Series
  - High Efficiency & Comfort
- 062 Wall Mounted ECO Range Series
  - Comfort for Large Room

### Refrigerant type R410A models

- 064 Wall Mounted Designer Range Series
  - High Spec & Design
  - High COP
- 068 Wall Mounted Standard Range Series
  - High Efficiency & Comfort
  - Comfort for Large Room
- 074 Wall Mounted ECO Range Series
  - Compact & Comfort
- 076 Compact Cassette 4-way Flow Series
- 078 Cassette Circular Flow Series
- 080 Cassette 4-way Flow Series
- 082 Mini Duct
- 084 Slim Duct
- 086 Medium Static Pressure Duct
- 090 High Static Pressure Duct
- 092 Big Duct
- 094 Floor
- 096 Floor/Ceiling
- 098 Ceiling



## MULTI SPLIT

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# SPLIT OVERVIEW

Fujitsu General provides our customers with 6 types and 86 models air conditioning system ideal for various customer applications and layout.



Flagship Range Series



Designer Range Series



4-way Flow Series

Circular Flow Series



Slim Duct

Medium Static Pressure Duct

High Static Pressure Duct



For ceiling installation



## Wall Mounted

Installation work is simple and easy for wall mounted type. We have pursued airflow control and energy saving including our dual side fan equipped flagship models. At the same time, their flat and simple designs that match the interior are also attractive. We have a lineup with many models that have adopted the new environmentally friendly R32 refrigerant.

- 056 Flagship Range Series
- nocria X**
- 058 Designer Range Series
- 060 Standard Range Series
- 062 ECO Range Series

- 064 Designer Range Series
- 068 Standard Range Series
- 074 ECO Range Series

## Cassette

Cassette type adapts to the interior. This type blows air in four directions to perform the air conditioning of entire spaces evenly. We have a variety of series including Compact models that have adopted a new design panel to match grid ceilings and Circular Flow models that deliver air in 360° directions.

- 076 Compact 4-way Flow Series
- 078 Circular Flow Series
- 080 4-way Flow Series

## Duct

The main unit of this type cannot be seen, so your interior will feel clear. We have Mini Duct and Slim Duct models available to also enable installation in narrow spaces in beams or above the ceiling. For a large model suitable for air conditioning vast spaces, multiple outlets can be installed by only one unit. Therefore, these models are recommended for unusual room layout.

- 082 Mini Duct
- 084 Slim Duct
- 086 Medium Static Pressure Duct
- 090 High Static Pressure Duct
- 092 Big Duct

## Floor

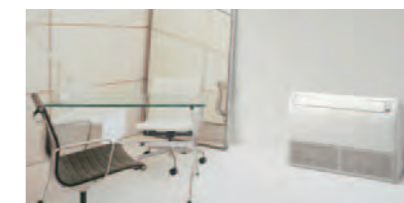
Floor type with compact and slim design is suitable for installation in both residential and commercial. This model is recommended as heating device because it blows warm airflow from both above and below outlets.



Installation under window is available.

## Floor/Ceiling

Two types of installation method – floor installation and ceiling installation – can be selected. This model has a compact design with a width of 990 mm and a depth of just 199 mm (ceiling installation: height). This means they can handle various installation conditions.



For floor installation

## Ceiling

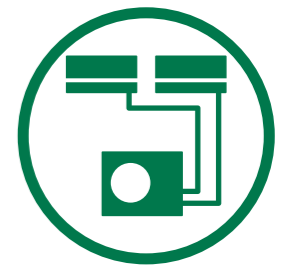
Installation work is as easy as with wall mounted type. This model can be installed neatly because it has a thin design with a height of 240 mm. It delivers a powerful wind far away from a wide outlet. Therefore, this model is ideal for oblong rooms such as large meeting rooms and audiovisual rooms with depth.

# SPLIT Indoor Units Lineup



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

Type	Series	Refrigerant	Model	BTU															
				7	9	12	14	18	24	30	36	45	54	60	72	90			
Wall Mounted Page 056~	Flagship Range Series <b>nocria X</b>	R32	ASHG--KXCA		● 09	● 12													
	Designer Range Series High Spec & Design	R32	ASHG--KGTA	● 07	● 09	● 12	● 14												
	Standard Range Series High Efficiency & Comfort	R32	ASHG--KMTA <span style="color:red">NEW</span>	● 07*	● 09*	● 12*	● 14*												
	ECO Range Series Comfort for Large Room	R32	ASHG--KLCA <span style="color:red">NEW</span>					● 18*	● 24*										
	Designer Range Series High Spec & Design	R410A	ASHG--LTCA		● 09	● 12													
	Designer Range Series High COP		ASHG--LUCA	● 07	● 09	● 12	● 14												
	Standard Range Series High Efficiency & Comfort		ASHG--LMCA	● 07	● 09	● 12	● 14												
	Standard Range Series Comfort for Large Room		ASHG--LFCA, LFCC					● 18LFCA	● 24LFCC	● 30LFCA									
ASHG--LMTA									● 30	● 36									
ECO Range Series Compact & Comfort		ASHG--LLCC	● 07	● 09	● 12														
Cassette Page 076~	Compact 4-way Flow Series Compact & Comfort	R410A	AUHG--LVLB, LVLA			● 12LVLB	● 14LVLB	● 18LVLB	● 24LVLA										
	Circular Flow Series Comfort for Large Room		AUXG--LRLB					● 18	● 24	● 30	● 36	● 45	● 54						
	4-way Flow Series Comfort for Large Room		AUHG--LRLE, LRLA							● 30LRLE	● 36LRLE ● 36LRLA	● 45LRLA	● 54LRLA						
Duct Page 082~	Mini Duct	R410A	ARHG--LSLAP			● 12*	● 14*	● 18*											
	Slim Duct		ARHG--LLTB			● 12	● 14	● 18											
	Medium Static Pressure Duct Compact & Comfort		ARHG--LHTBP			● 12	● 14	● 18	● 24	● 30	● 36	● 45	● 54						
	Medium Static Pressure Duct Standard		ARHG--LMLA, LMLE						● 24LMLA	● 30LMLE	● 36LMLE ● 36LMLA	● 45LMLA							
	High Static Pressure Duct		ARHG--LHTA									● 45	● 54	● 60					
	Big Duct		ARHG--LHTA												● 72*	● 90*			
Floor Compact & Comfort Page 094	R410A	AGHG--LVCA		● 09	● 12	● 14													
Floor/Ceiling Comfort & Dual Design Page 096	R410A	ABHG--LVTB, LVTA					● 18	● 24											
Ceiling Comfort for Large Room Page 098	R410A	ABHG--LRTE, LRTA							● 30LRTE	● 36LRTE ● 36LRTA	● 45LRTA	● 54LRTA							



# MULTI SPLIT OVERVIEW

Space-saving multi outdoor units can connect up to 8 indoor units in multiple rooms.

## 2-8 Rooms Multi



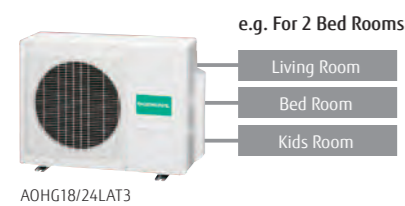
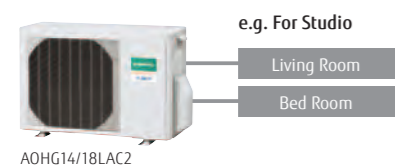
2-8 Rooms Multi type is recommended for situations that require air conditioning in multiple rooms such as in family house or offices. It can operate a minimum of 2 units to a maximum of 8 units, and for Central Remote Controller, only one remote controller can control the indoor unit operating schedule of each room and set the energy saving. Due to space-saving outdoor unit enables installation on balcony or under a waist-high window.

## Simultaneous Multi

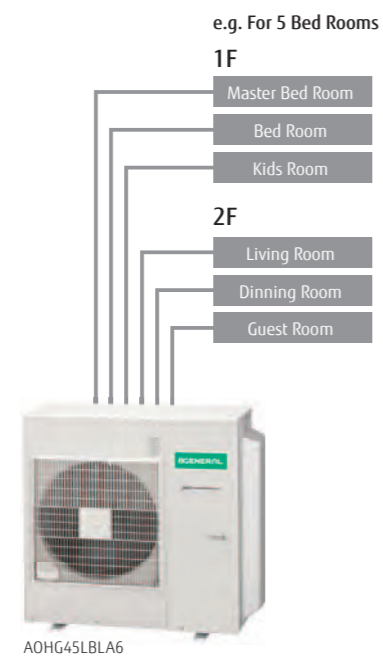


Simultaneous Multi type is recommended for situations where multiple indoor units need to be operated simultaneously such as for small building for small office building entrance, meeting room, educational facility hall, and other large spaces. Up to 4 indoor units can be operated simultaneously. This type is suitable for office spaces with large areas and properties with unusual floor layout.

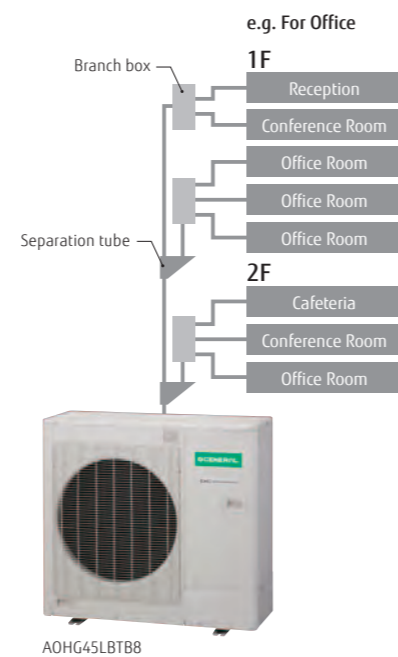
### 2 & 3-4 Rooms Multi



### 5-6 Rooms Multi



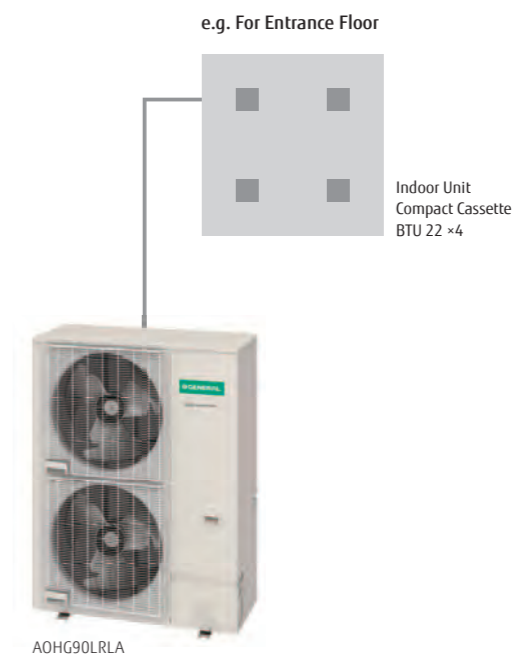
### 8 Rooms Multi



### Twin/Triple



### Twin/Triple/Double Twin



# MULTI SPLIT Outdoor Units Lineup



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

		Model code	14	18	24	30	36	45	54	72	90		
		Cooling rated capacity(kW)	4	5	5.4	6.8	8	10	12.5	14	14	19	22
2 & 3-4 Rooms Multi Page 100	2 Rooms Multi Up to 2 units		● AOHG 14LAC2	● AOHG 18LAC2									
	3 Rooms Multi Up to 3 units				● AOHG 18LAT3*	● AOHG 24LAT3*							
	4 Rooms Multi Up to 4 units						● AOHG 30LAT4*						
5-6 Rooms Multi Page 102	5 Rooms Multi Up to 5 units							● AOHG 36LBA5*					
	6 Rooms Multi Up to 6 units								● AOHG 45LBA6*				
8 Rooms Multi Up to 8 units Page 104											● AOHG 45LBT8*		
Simultaneous Multi Page 106 ~	Twin/Triple Single phase							● AOHG 36LBTB	● AOHG 45LBTB*1		● AOHG 54LBTB*2		
	Twin/Triple 3 phase							● AOHG 36LATT	● AOHG 45LATT		● AOHG 54LATT		
	Twin/Triple/ Double Twin 3 phase											● AOHG 72LRLA	● AOHG 90LRLA

\* All model refrigerant types are R410A.

Cooling rated capacity: \*1: 12.1 kW \*2: 13.3 kW

**Note: 1. 2 Rooms Multi:** Connectable indoor units are 2 units.  
AOHG14LAC2: Total capacity of indoor units connected must be between 4.0 kW and 6.0 kW.  
AOHG18LAC2: Total capacity of indoor units connected must be between 4.0 kW and 7.0 kW.

**2. 3 Rooms Multi:** Connectable indoor units are 2 to 3 units.  
AOHG18LAT3: Total capacity of indoor units connected must be between 4.0 kW and 8.5 kW.  
AOHG24LAT3: Total capacity of indoor units connected must be between 4.0 kW and 10.5 kW.

**3. 4 Rooms Multi:** Connectable indoor units are 3 to 4 units.  
AOHG30LAT4: Total capacity of indoor units connected must be between 7.5 kW and 14.0 kW.

**4. 5 Rooms Multi:** Connectable indoor units are 2 to 5 units  
AOHG36LBA5: Total capacity of indoor units connected must be between 7.5 kW and 15.5 kW.

**5. 6 Rooms Multi:** Connectable indoor units are 2 to 6 units  
AOHG45LBA6: Total capacity of indoor units connected must be between 9.5 kW and 18.0 kW.

**6. 8 Rooms Multi:** Connectable indoor units are 2 to 8 units  
AOHG45LBT8: Total capacity of indoor units connected must be between 11.0 kW and 18.0 kW.

# CORE TECHNOLOGY

For SPLIT & MULTI SPLIT



## High Efficiency



### Optimized Inverter Control

**i-PAM (Vector + I-PAM) inverter control**  
 V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturization, higher efficiency, and better performance are attained.

**V-PAM (IPM\*+PAM) inverter control**  
 i-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform. This promotes the effective use of the input power supply to attain high performance.  
 IPM\*: Intelligent Power Module



### All DC Inverter Technology

**ALL DC DC twin rotary compressor**  
 The high efficiency DC inverter type "2-cylinder rotary compressor" is used for our product ranges. It has achieved higher energy efficiency compared with similar compressors by optimizing the structure inside the compressor.

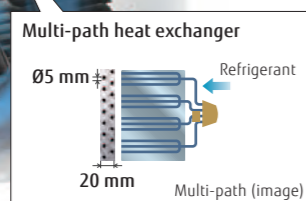
**DC fan motor**  
 DC fan motor produces high power, wide operation range, and high efficiency.

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

### Heat Exchanger

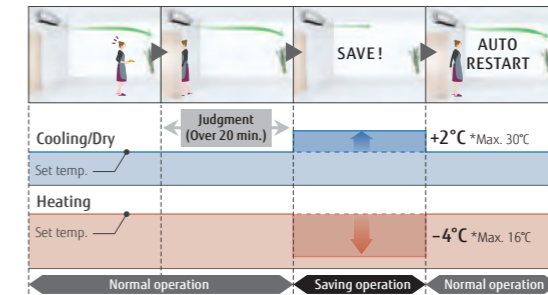
**High density multi-path heat exchanger**  
 Heat exchange performance is substantially improved by thin and high-density heat exchanger and multi-path efficiency technology.

**High performance sub-cool heat exchanger**  
 Higher performance achieved by mounting of counter type bypass circuit. (Large multi type, VRF)



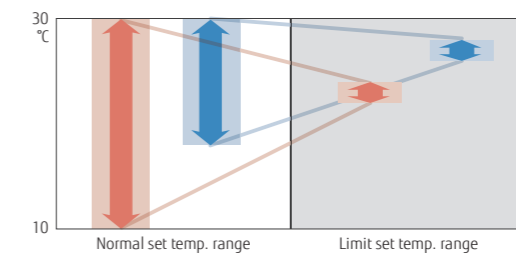
## High Energy Saving

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

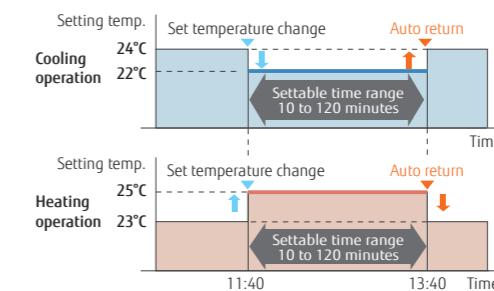


**Economy operation**  
 Limits the maximum operation current, and the power consumption is cut down and the maximum load is suppressed.

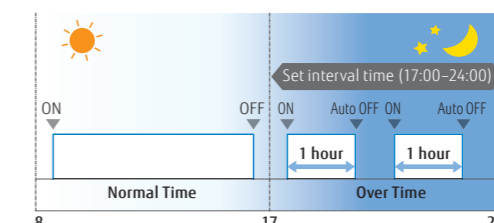
**Room temperature set point limitation**  
 The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



**Set temperature auto return**  
 • The setting temperature automatically returns to the previous setting temperature.  
 • The time range in which the set temperature can be changed is 10 to 120 minutes.



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





# More Comfort



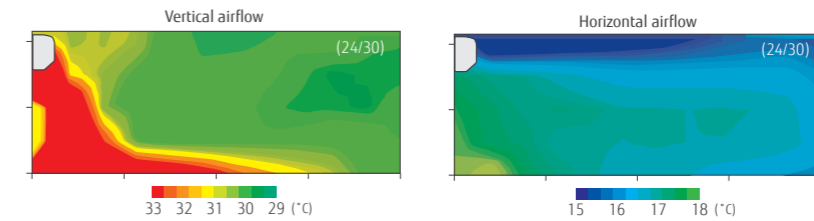
## Powerful heating

High heating capacity is realized even at low outdoor temperature by mounting a large heat exchanger or large DC rotary compressor and developing high performance inverter PCB



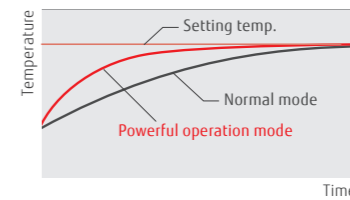
## Power diffuser

Precision wind direction control is realized and ventilation efficiency is also improved by 3 technologies. Our airflow control makes your environment more comfortable.



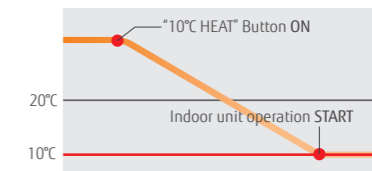
## Powerful operation

Continuous operation by maximum airflow and maximum compressor speed after a certain period of time allows the temperature to reach the setting temp. quickly.



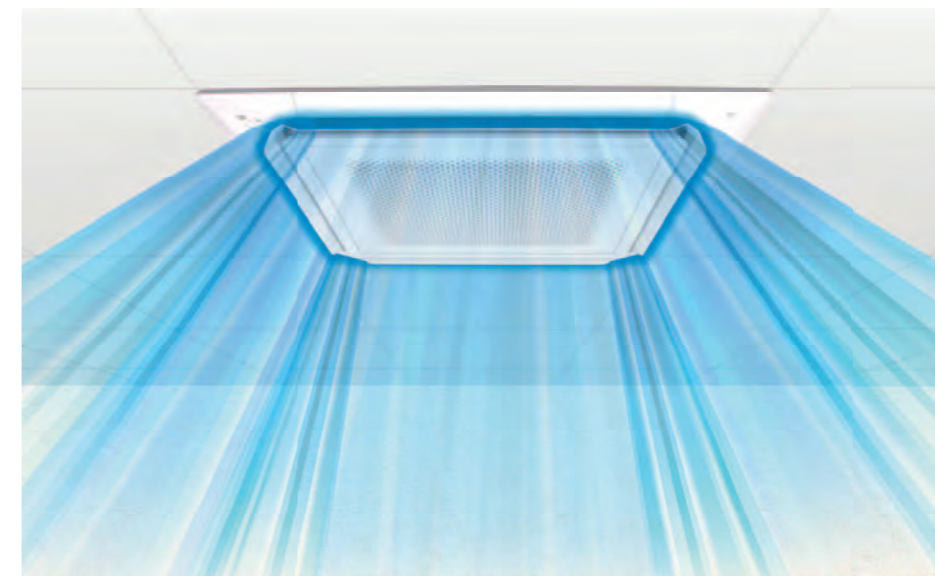
## 10°C Heat operation

When you leave, minimum heating operation is performed to maintain the room temperature. (Maintained at 10°C)



## Uniform air conditioning

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



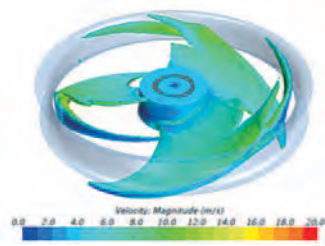


# Quiet and Comfort Control

## Low Noise Technology

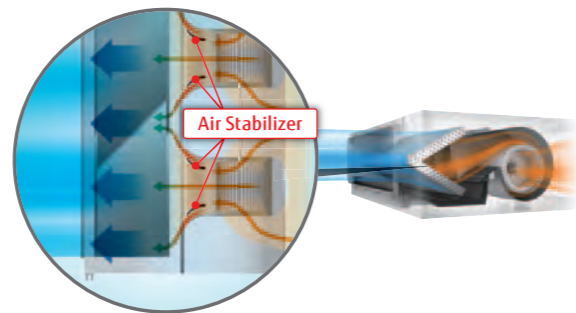
### Outdoor unit Fan

Outdoor unit fan design with little separation vortex, fan control to minimize the air volume and top class low noise



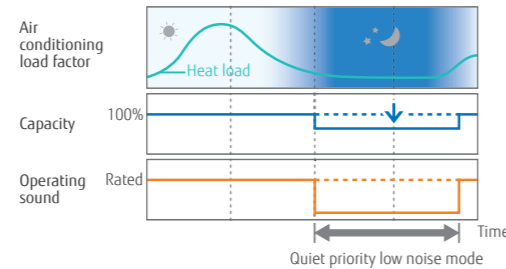
### Air Stabilizer in Duct

Low noise duct structure with a built-in air stabilizer



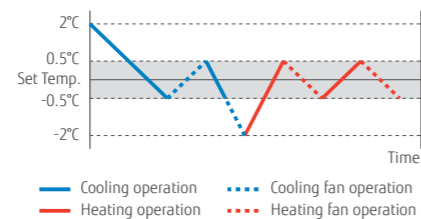
### Outdoor unit low noise operation

Users can choose low noise levels, depending on the installation environment. The operation time can be set using the timer.



### Auto-changeover function

At Auto setting, the cooling/heating mode is automatically switched according to the set temperature and room temperature.



### Fresh air intake

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



## Feature Explanation



### Energy Saving Function

- Dual side fans**: The comfortable space can be created with Hybrid Airflow, which combines different temperatures of air current and velocities.
- Economy mode**: Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.
- Save human sensor**: Human sensor detects the movement of people in the room and judges whether the energy saving operation.
- Room temperature set point limitation**: The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.
- Save & Stop human sensor**: Human sensor (option) detects movement of people in the room and decides whether to save energy or stop the unit.
- Set temperature auto return**: The setting temperature automatically returns to the previously set temperature.

### Comfortable Function

- Powerful heating**: Keeping the rated heating capacity even when the outdoor ambient temperature is -7°C.
- Powerful mode**: Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.
- Auto-changeover**: The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- Automatic fan speed**: The micro-computer automatically adjusts the airflow effectively to follow the changes of room temperature.
- Fresh air intake**: Fresh air can be taken in by a fan which can be connected using external control unit.
- Power diffuser**: An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.
- 10°C HEAT operation**: The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.
- Up/down swing flaps**: The up/down flaps automatically swing up and down.
- Auto restart**: In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once power supply is restored.
- Connectable distributing duct**: Systems are capable of attaching Locally purchased branch ducts distributing the airflow.
- Server room operation**: Interlock operation is possible by connecting 2 indoor units even in the low temperature.
- Low noise mode**: Sound noise level of outdoor unit can be selected.
- Double swing automatic**: Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.
- Connectable fresh air duct**: Outside air can be introduced by attaching Locally purchased duct to fresh air knockout and optional part.
- Individual airflow direction control**: Each louver of 4-way Cassette type can be controlled individually and provides comfortable airflow.

### Convenient Function

- Auto off timer**: Automatically stops operation when a fixed time has elapsed from the start of operation.
- Weekly timer**: Different ON-OFF times can be set for each day.
- External error output**
- Sleep timer**: The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
- Weekly + setback timer**: Weekly + Setback timer can set temperature for two times spans and for each day of the week.
- External ON/OFF input**
- Program timer**: This digital timer allows selection of one of four options: ON, OFF, ON » OFF or OFF » ON.
- Filter sign**: Indicates the filter cleaning period by lamp.
- Wireless LAN control**: The exclusive Wi-Fi adaptor enables to operate the air conditioner by smartphone or tablet PC from outside.

### Clean Function

- Plasma air clean**: The electrostatic precipitator removes dust particles such as pollens and house dust. It is washable and can be always maintained clean.
- Apple-catechin filter**: The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.
- Filter auto clean**: The dust collected by the air filter is automatically removed. A routine disposal of the dust stored in the dust box is necessary.
- Long life filter**
- Ion deodorization filter**: The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.
- Washable panel**: Since the front panel is easy to remove, maintenance is also easy.

### Installation

- Automatic airflow adjustment**: Automatically detects required airflow in each application case and adjusts the volume.
- Drain pump as standard**
- Blue fin**

- ALL DC**: All DC models
- i-PAM**: i-PAM control models. i-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform.
- V-PAM**: V-PAM control models. V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology.



# Wall Mounted Flagship Range



## nocria™ X



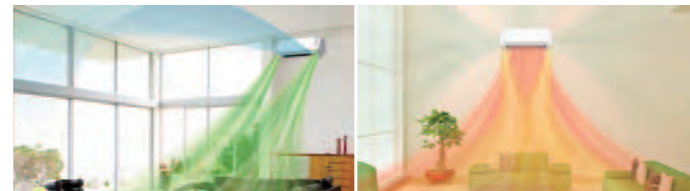
ALL DC



### Comfortable airflow control to prevent the body from being exposed to airflow



The comfortable space can be created with Hybrid Airflow, which combines different temperatures of air current and velocities.



\*1: Announced 2012. In room air conditioner for the home (Our company's investigation)

### Filter Auto Clean



Dust on the filter is automatically removed to prevent power from being wasted by the clogged filter.



\*2: Announced 2002. In room air conditioner for the home (our company's investigation)

### Plasma Air Clean

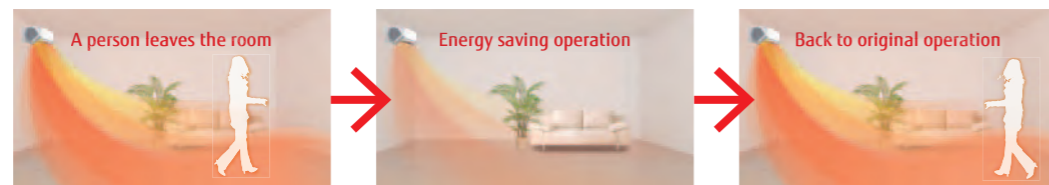
Air is cleaned with an electric dust collecting technology. Pollen, house dust and other tiny pollutants are collected and removed with static electricity.



### Human Sensor

The Human sensor detects movement of people in a room and operates at reduced capacity when people leave the room. When people return to the room, the system automatically returns to the previous room settings.

Rank **A+++** SEER **8.5** \*3 SCOP **5.1** \*3  
\*3: All classes



Model: ASHG09KXCA / ASHG12KXCA

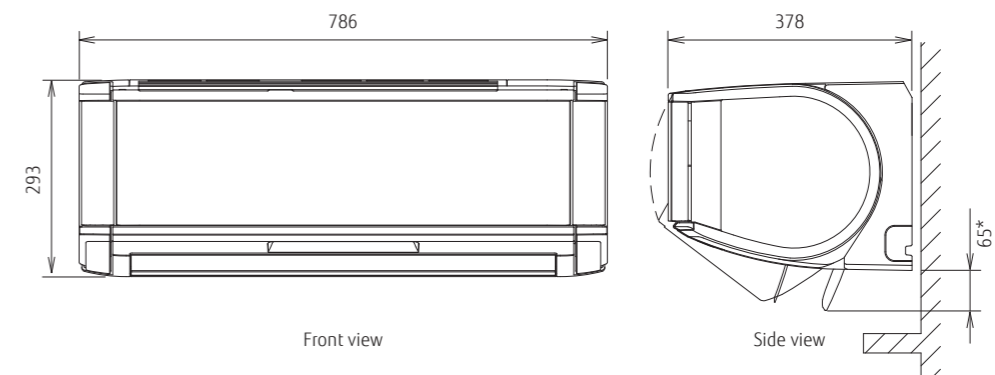


### Specifications

Model No.	Indoor unit		Outdoor unit		ASHG09KXCA	ASHG12KXCA
	AOHG09KXCA		AOHG12KXCA		ASHG09KXCA	ASHG12KXCA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			2.5 (0.6-3.5)	3.4 (0.6-5.3)
	Heating	kW			3.6 (0.6-7.1)	5.0 (0.6-9.0)
Input Power	Cooling/Heating		kW		0.460/0.630	0.670/1.020
EER	Cooling	W/W		5.45		5.09
	Heating	W/W		5.72		4.90
Pdesign	Cooling/Heating(-10°C)		kW		2.5/3.4	3.4/3.5
SEER	Cooling	W/W		8.50		8.50
	Heating (Average)	W/W		5.10		5.10
Energy Efficiency Class	Cooling			A+++		A+++
	Heating (Average)			A+++		A+++
Max. Operating Current	Cooling/Heating		A		8.5/14.0	9.0/16.0
Annual Energy Consumption	Cooling	kWh/a		103		140
	Heating	kWh/a		934		961
Moisture Removal			l/h		1.1	1.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q			46/42/38/28	46/42/38/28
	Indoor (Heating)	H/M/L/Q			48/43/39/30	48/43/39/30
	Outdoor (Cooling/Heating)	High	dB(A)		40/41	44/43
Sound Power Level	Indoor (Cooling/Heating)	High			58/62	58/62
	Outdoor (Cooling/Heating)	High			53/57	57/57
	Indoor / Outdoor (Cooling)	High	m³/h		670/1,975	670/2,230
Airflow Rate	Indoor / Outdoor (Heating)	High	m³/h		810/1,820	810/1,975
Net Dimensions	Indoor	mm			293×786×378	
		kg(lbs)			20 (44)	
		mm			704×820×315	
H x W x D	Outdoor	mm			704×820×315	
		kg(lbs)			41 (90)	
Weight					41 (90)	
Connection Pipe Diameter (Liquid / Gas)					6.35/9.52	
Drain hose Diameter (I.D./O.D.)					13.8 / 15.8 to 16.7	
Max Pipe Length (Pre-Charge)					15 (15)	
Max Height Difference					10	
Operation Range	Cooling			°CDB		-10 to 43
	Heating			°CDB		-15 to 24
Refrigerant	Type (Global Warming Potential)				R32 (675)	
	Charge	kg(CO2eq-T)				1.30 (0.9)

### Dimensions

(Unit : mm)



\*Dimensions in case of air flowing downward

# Wall Mounted Designer Range

High Spec & Design



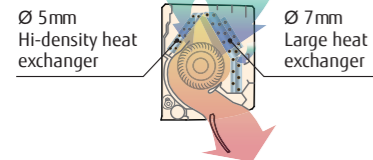
## High energy saving

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

Rank **A+++**  
**SEER 8.5**<sup>\*1</sup>  
**SCOP 5.1**<sup>\*1</sup>  
\*1: 07, 09, 12 class

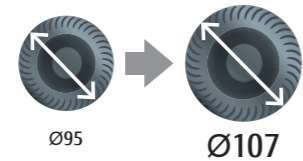
### Hybrid-heat exchanger

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



### Ø107 Large cross-flow fan

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



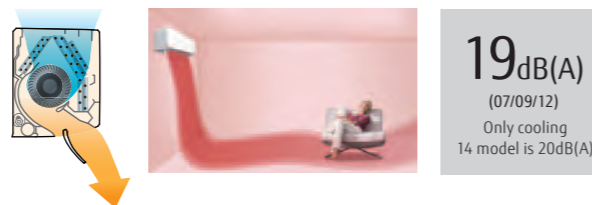
### Human sensor

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



## Comfortable airflow & Silent operation

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



## Smartphone Control (Option)

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



### Wireless LAN Interface

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

Model: ASHG07KGTA / ASHG09KGTA / ASHG12KGTA / ASHG14KGTA



## Specifications

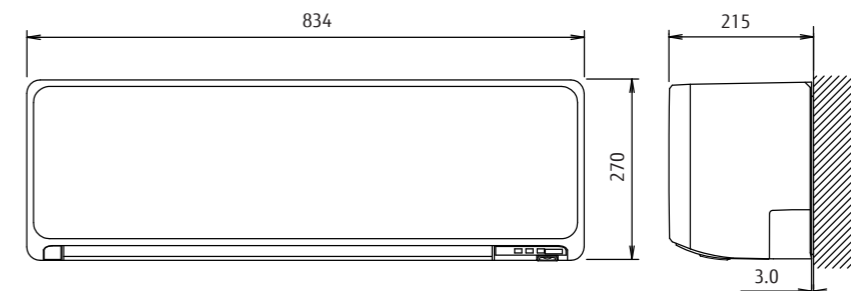
Model No.	Indoor unit		ASHG07KGTA	ASHG09KGTA	ASHG12KGTA	ASHG14KGTA
	Outdoor unit		AOHG07KGCA	AOHG09KGCA	AOHG12KGCA	AOHG14KGCA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0	2.5	3.4	4.2
	Heating	kW	2.5	2.8	4.0	5.4
Input Power	Cooling/Heating		0.400/0.500	0.555/0.560	0.805/0.910	1.175/1.350
	Cooling	kW	5.00	4.50	4.22	3.57
EER	Cooling	W/W	5.00	5.00	4.40	4.00
	Heating	W/W	5.00	5.00	5.10	4.31
Pdesign	Cooling/Heating(-10°C)		2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
	Cooling	kW	8.52	8.52	8.51	7.11
SEER	Cooling	W/W	8.52	8.52	8.51	7.11
	Heating (Average)	W/W	5.12	5.11	5.10	4.31
SCOP	Heating (Average)		5.12	5.11	5.10	4.31
	Cooling	W/W	5.12	5.11	5.10	4.31
Energy Efficiency Class	Cooling		A+++	A+++	A+++	A++
	Heating (Average)		A+++	A+++	A+++	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5
	Cooling	A	6.5/9.0	6.5/9.0	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling	kWh/a	82	103	140	207
	Heating	kWh/a	628	658	685	1298
Moisture Removal			1.0	1.3	1.8	2.1
	Indoor (Cooling)	l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/19	40/34/29/19	40/35/30/19	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/21	42/36/31/21	42/38/33/21	44/39/33/24
	Outdoor(Cooling/Heating)	High	46/46	46/48	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	54/56	55/57	56/58	57/59
	Outdoor(Cooling/Heating)	High	61/62	61/63	65/66	65/66
	Indoor / Outdoor	High	650/1610	700/1610	700/1680	770/1680
Airflow Rate	Indoor / Outdoor	m³/h	650/1610	700/1610	700/1680	770/1680
	Indoor	m³/h	650	700	700	770
Net Dimensions	H x W x D	mm	270×834×215			
		kg(lbs)	10			
Weight	Indoor	mm	542×799×290			
	Outdoor	kg(lbs)	30	30	31	32
Connection Pipe Diameter (Liquid / Gas)	mm	6.35/9.52				
Drain hose Diameter (I.D./O.D.)	mm	13.8/15.8 to 16.7				
Max Pipe Length (Pre-Charge)	m	20 (15)				
Max Height Difference	m	15				
Operation Range	Cooling	°CDB	-10 to 46			
	Heating	°CDB	-15 to 24			
Refrigerant	Type (Global Warming Potential)		R32 (675)			
	Charge	kg(CO2eq-T)	0.75 (0.5)	0.75 (0.5)	0.85 (0.6)	0.85 (0.6)

## Optional parts

- Wired Remote Controller: UTY-RNRGZ2, UTY-RLRG
- External Input and Output PCB: UTY-XCSXZ2
- Communication kit: UTY-TWRXZ2
- Wireless LAN Interface: UTY-TFSXW1
- External connect kit: UTY-XWZX

## Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

NEW

# Wall Mounted Standard Range

High Efficiency & Comfort



ALL DC



Model: ASHG07KMTA / ASHG09KMTA / ASHG12KMTA / ASHG14KMTA



For ASHG07/09/12KMTA



For ASHG14KMTA

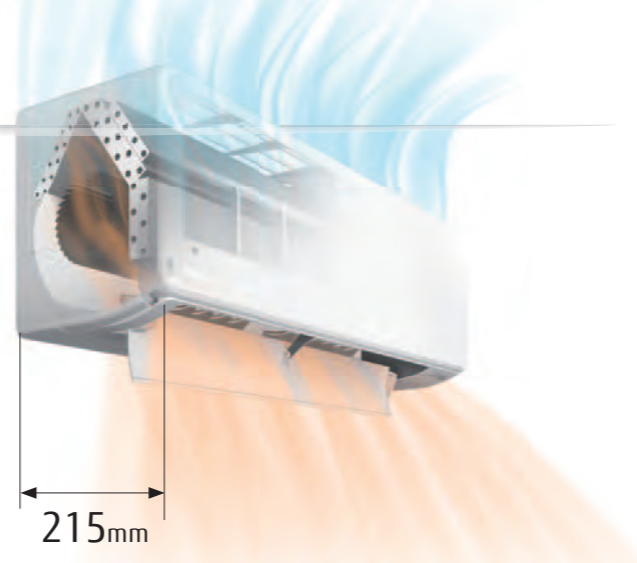
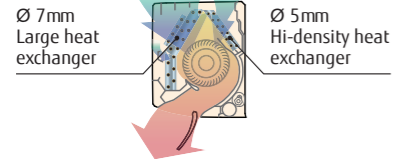
Specifications

Model No.	Indoor unit		ASHG07KMTA	ASHG09KMTA	ASHG12KMTA	ASHG14KMTA
	Outdoor unit		AOHG07KMTA	AOHG09KMTA	AOHG12KMTA	AOHG14KMTA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0 (0.9-3.0)	2.5 (0.9-3.2)	3.4 (0.9-3.9)	4.2 (0.9-4.4)
	Heating	kW	2.5 (0.9-3.4)	2.8 (0.9-4.0)	4.0 (0.9-5.3)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		0.450/0.555	0.630/0.620	0.935/0.960	1.220/1.410
EER	Cooling	W/W	4.43	3.97	3.65	3.44
	Heating	W/W	4.52	4.52	4.17	3.83
Pdesign	Cooling/Heating(-10°C)		2.0/2.3	2.5/2.4	3.4/2.5	4.2/4.0
SEER	Cooling	W/W	7.40	7.40	7.30	6.90
	Heating (Average)	W/W	4.10	4.10	4.40	4.10
SCOP	Cooling	W/W	A++	A++	A++	A++
	Heating (Average)	W/W	A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0
Annual Energy Consumption	Cooling	kWh/a	95	118	163	213
	Heating	kWh/a	785	819	795	1367
Moisture Removal	Cooling	l/h	1.0	1.3	1.8	2.1
	Heating	l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/33/29/20	40/34/29/20	40/35/30/20	43/36/30/20
	Indoor (Heating)	H/M/L/Q	41/35/31/22	42/36/31/22	42/38/33/22	44/39/33/24
	Outdoor(Cooling/Heating)	High	46/46	46/46	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	54/56	55/57	55/58	57/59
	Outdoor(Cooling/Heating)	High	61/61	61/62	65/65	65/66
Airflow Rate	Indoor / Outdoor	High	650/720	700/750	700/770	770/800
	Indoor	mm	270×834×215	270×834×215	270×834×215	270×834×215
Net Dimensions H x W x D	Indoor	kg (lbs)	10	10	10	10
	Outdoor	kg (lbs)	541×663×290	541×663×290	541×663×290	542×799×290
Weight	Indoor	kg (lbs)	23	23	25	31
	Outdoor	kg (lbs)	23	23	25	31
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7	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)			20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Charge	kg(CO2eq-T)	0.6 (0.405)	0.6 (0.405)	0.7 (0.473)	0.85 (0.574)

## Slim & stylish square design

Slim and stylish square design is realized by high density multi-path heat exchanger and high efficiency wind blower.

### Hybrid-heat exchanger



215mm

## High energy saving

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

Rank \*1  
Cooling A++  
Heating A+

SEER 7.3 \*1  
SCOP 4.4 \*1

\*1: 12 class

## Comfortable airflow & Silent operation

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

20dB(A)  
Only cooling  
14 model is 20dB(A)

## Smartphone Control (Option)

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

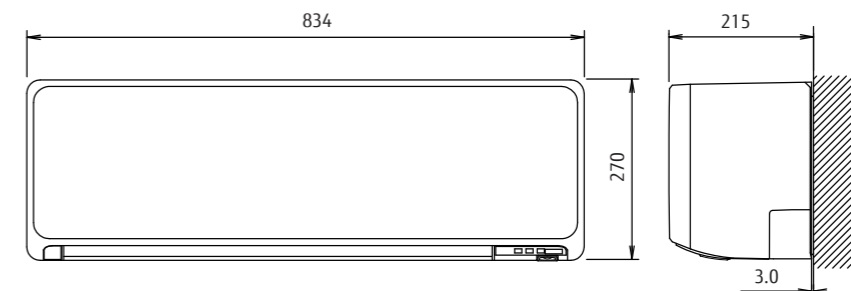
**Wireless LAN Interface**  
The exclusive Wi-Fi adaptor enables to operate the air conditioner by smartphone or tablet PC from outside.

## Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- External connect kit: UTY-XWZX25
- Communication kit: UTY-TWBXF2
- Wireless LAN Interface: UTY-TFSXW1

## Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

NEW

# Wall Mounted ECO Range

Comfort for Large Room



ALL DC



Model: ASHG18KLCA / ASHG24KLCA



Wireless R.C.



For ASHG18KLCA



For ASHG24KLCA

Specifications

Model No.	Indoor unit		Outdoor unit		ASHG18KLCA	ASHG24KLCA
					AOHG18KLTA	AOHG24KLTA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			5.2(0.9~5.5)	7.1(0.9~7.7)
	Heating				6.3(0.6~6.6)	8.0(0.9~9.0)
Input Power	Cooling/Heating		kW		1.685/1.80	2.42/2.225
EER	Cooling		W/W		3.09	2.93
COP	Heating		W/W		3.50	3.60
Pdesign	Cooling/Heating(-10°C)		kW		5.20/4.80	7.10/7.10
SEER	Cooling		W/W		7.20	7.10
SCOP	Heating (Average)		W/W		4.30	4.00
Energy Efficiency Class	Cooling				A++	A++
	Heating (Average)				A+	A+
Max. Operating Current	Cooling/Heating		A		9.5/13.5	13.5/17.5
Annual Energy Consumption	Cooling		kWh/a		253	350
	Heating		kWh/a		1563	2485
Moisture Removal			l/h		1.9	3.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q			47/44/40/35	51/45/38/33
	Indoor (Heating)	H/M/L/Q			50/45/41/37	52/45/41/37
	Outdoor(Cooling/Heating)	High	dB(A)			50/56
Sound Power Level	Indoor(Cooling/Heating)	High			60/65	64/65
	Outdoor(Cooling/Heating)	High			61/66	65/67
Airflow Rate	Indoor / Outdoor	High	m³/h	cool:865/1830 heat:995/2265		cool:1040/2885 heat:1040/3030
Net Dimensions H x W x D	Indoor		mm	293×790×249		293×790×249
			kg(lbs)	9.5		9.5
Weight	Outdoor		mm	542×799×290		632×799×290
			kg(lbs)	33		38
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52		6.35/12.70
Drain hose Diameter (I.D./O.D.)			mm	13.8/15.8 to 16.7		13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	25 (15)		30 (15)
Max Height Difference			m	20		25
Operation Range	Cooling		°CDB		-10 to 46	-10 to 46
	Heating		°CDB		-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)

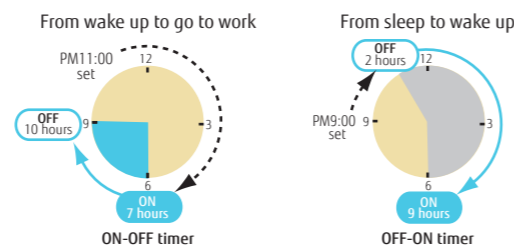
Narrow width & Compact Design

Powerful airflow is realized despite 790mm width compact design.



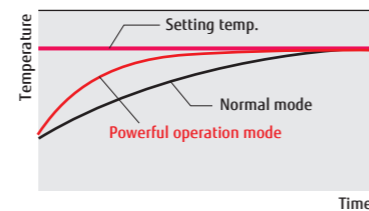
ON-OFF Programmable timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)



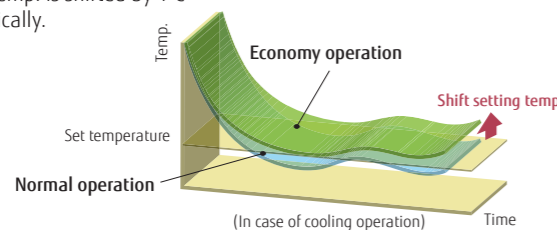
Powerful operation

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.

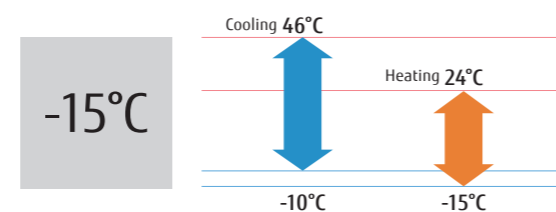


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation

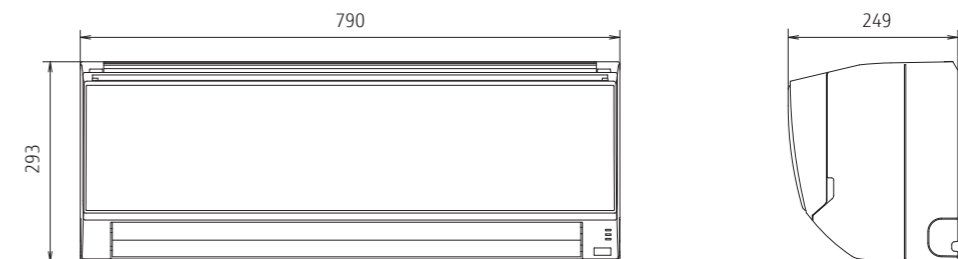


Optional parts

Remote Controller Holder: UTZ-RXLA

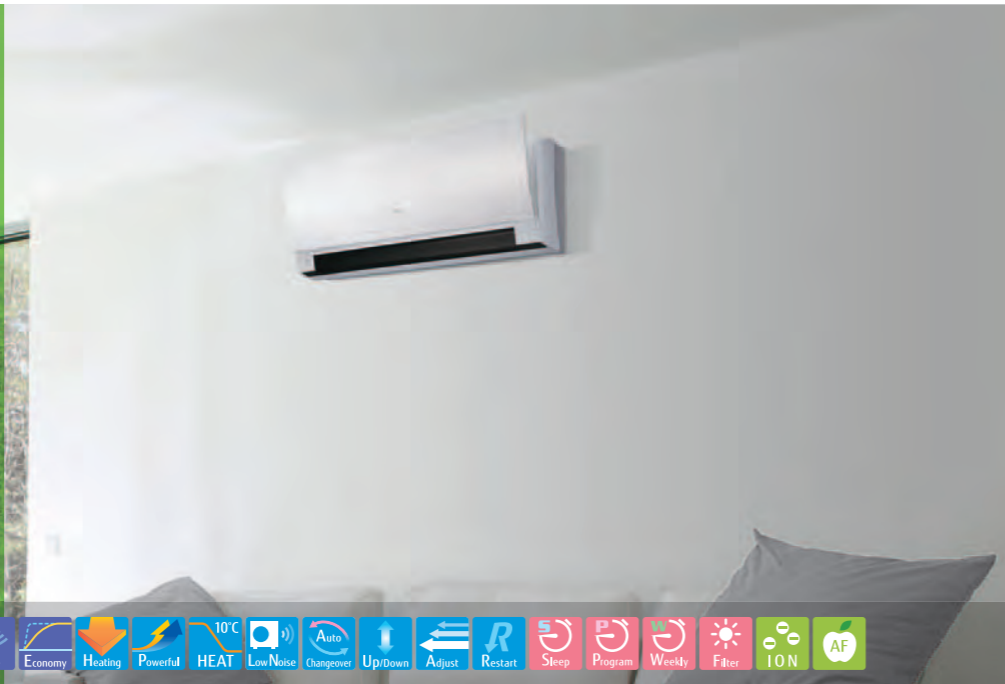
Dimensions

(Unit : mm)



PRODUCT LINEUP: SPLIT

Wall Mounted Designer Range High Spec & Design



Model: ASHG09LTCA / ASHG12LTCA



Wireless R.C.



For ASHG09LTCA

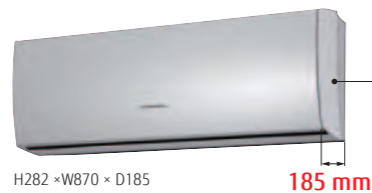
For ASHG12LTCA

Specifications

Model No.	Indoor unit		Outdoor unit		ASHG09LTCA	ASHG12LTCA
	ASHG09LTCA		ASHG12LTCA		AOHG09LTC	AOHG12LTC
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			2.5 (0.9-3.5)	3.5 (1.1-4.0)
	Heating				3.2 (0.9-5.4)	4.0 (0.9-6.5)
Input Power	Cooling/Heating		kW		0.505/0.660	0.850/0.910
EER	Cooling	W/W			4.95	4.12
	Heating				4.85	4.40
Pdesign	Cooling/Heating(-10°C)		kW		2.5/3.0	3.5/4.0
SEER	Cooling	W/W			8.50	8.50
	Heating (Average)				4.60	4.60
Energy Efficiency Class	Cooling			A+++	A+++	
	Heating (Average)			A++	A++	
Max. Operating Current	Cooling/Heating	A		6.5/9.0	9.0/10.5	
	Cooling	kWh/a		103	144	
Annual Energy Consumption	Heating	kWh/a		912	1217	
	Moisture Removal	l/h		1.3	1.8	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q			42/36/32/21	43/37/32/21
	Indoor (Heating)	H/M/L/Q			42/37/32/21	43/38/32/21
	Outdoor (Cooling/Heating)	High	dB(A)			48/50
Sound Power Level	Indoor (Cooling/Heating)	High			59/61	60/62
	Outdoor (Cooling/Heating)	High			63/65	64/65
	Airflow Rate	Indoor / Outdoor	High	m³/h	800/1,700	850/2,050
Net Dimensions	Indoor		mm		282×870×185	282×870×185
	H x W x D		kg(lbs)		9.5 (21)	9.5 (21)
Weight	Outdoor		mm		540×790×290	620×790×290
			kg(lbs)		33 (73)	40 (88)
Connection Pipe Diameter (Liquid / Gas)			mm		6.35/9.52	6.35/9.52
Drain hose Diameter (I.D./O.D.)			mm		13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m		20 (15)	20 (15)
Max Height Difference			m		15	15
Operation Range	Cooling	°CDB		-10 to 43	-10 to 43	
	Heating	°CDB		-20 to 24	-20 to 24	
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)		1.05 (2.2)	1.20 (2.5)	

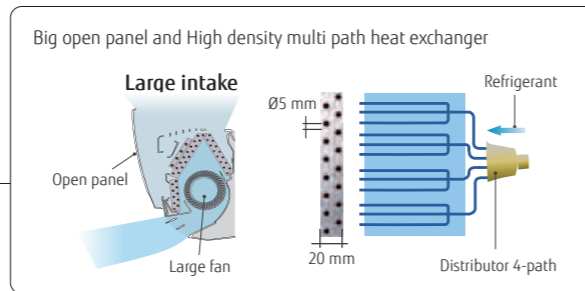
Thin & Slim design

Thin and slim design is realized by high density multi-path heat exchanger and high efficiency wind blower.



H282 x W870 x D185

185 mm



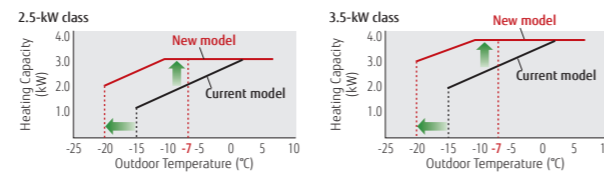
Human sensor

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



Powerful heating

Rated heating capacity is maintained up to an outdoor temperature lower than -7°C. This new model can operate even at -20°C low outdoor temperature.

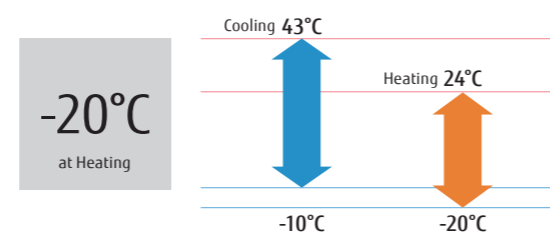


3 Mode timer (Weekly/Program/Sleep)

Weekly timer can be easily set by wireless remote controller. ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week. For other modes, program timer and sleep timer can be also selected by one push.



Low ambient operation

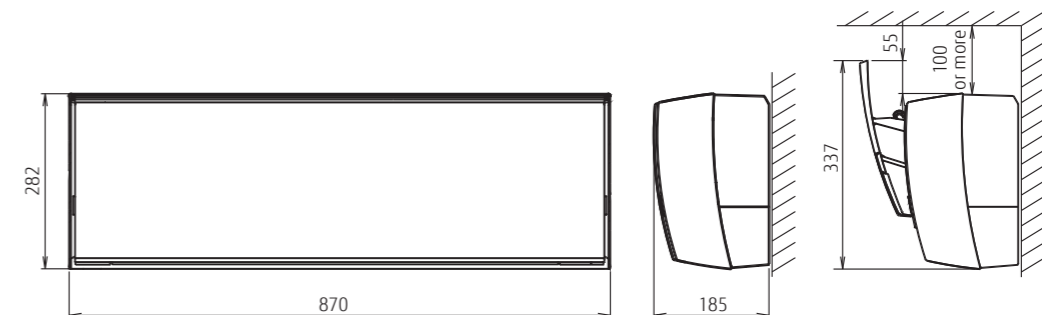


Optional parts

- Wired Remote Controller: UTY-RNNGM / UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- Communication kit: UTY-TWBXF1
- Wireless LAN Interface: UTY-TFNXZ1

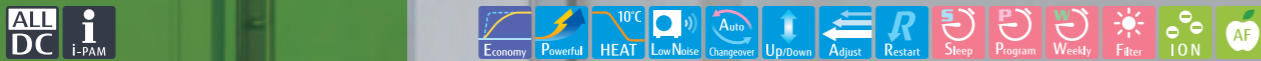
Dimensions

(Unit : mm)



**PRODUCT LINEUP: SPLIT**

**Wall Mounted Designer Range**  
High COP

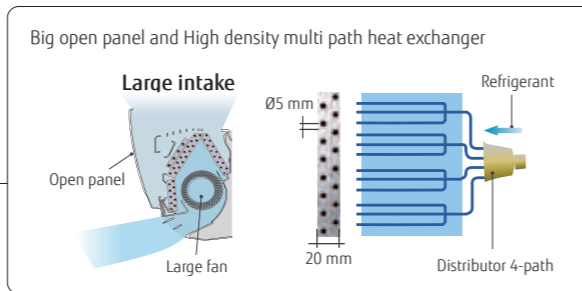


Model: ASHG07LUCA / ASHG09LUCA / ASHG12LUCA / ASHG14LUCA



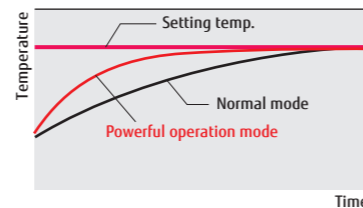
**Thin & Slim design**

Thin and slim design is realized by Ø5 mm heat exchanger and high efficiency wind blower.



**Powerful operation**

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



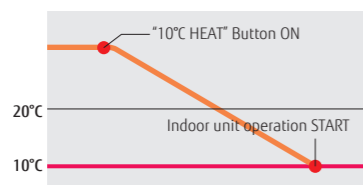
**3 Mode timer (Weekly/Program/Sleep)**

Weekly timer can be easily set by wireless remote controller. ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week. For other modes, program timer and sleep timer can be also selected by one push.

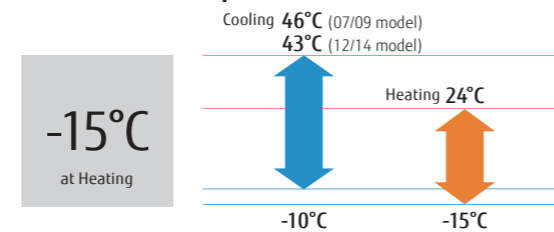


**10°C HEAT Operation**

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied. \*Only available with Wireless RC.



**Low ambient operation**



**Specifications**

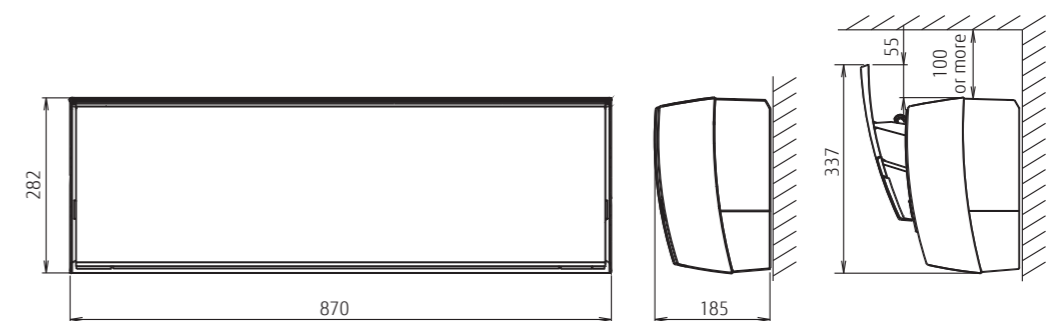
Model No.	Indoor unit		ASHG07LUCA	ASHG09LUCA	ASHG12LUCA	ASHG14LUCA
	Outdoor unit		AOHG07LUCB	AOHG09LUCB	AOHG12LUC	AOHG14LUC
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating	kW	3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		0.460/0.740	0.555/0.680	0.905/0.930	1.235/1.380
EER	Cooling		4.35	4.50	3.87	3.40
COP	Heating		4.05	4.71	4.30	3.91
	Cooling/Heating(-10°C)		2.0/2.6	2.5/2.8	3.5/3.9	4.2/4.8
SEER	Cooling		7.20	7.10	7.05	6.78
SCOP	Heating (Average)		4.02	4.10	4.00	4.00
Energy Efficiency Class	Cooling		A++	A++	A++	A++
	Heating (Average)		A+	A+	A+	A+
Max. Operating Current	Cooling/Heating		6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling		97	123	174	217
	Heating		887	956	1363	1677
Moisture Removal			1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
	Indoor (Heating)	H/M/L/Q	38/35/31/21	42/37/32/21	43/38/32/21	45/40/34/27
	Outdoor (Cooling/Heating)	High	46/46	48/48	50/50	50/50
Sound Power Level	Indoor (Cooling/Heating)	High	57/59	59/61	60/62	60/64
	Outdoor (Cooling/Heating)	High	58/58	60/60	65/65	65/65
Airflow Rate	Indoor / Outdoor	High	680/1,720	800/1,720	850/1,940	900/1,940
Net Dimensions H x W x D	Indoor		282x870x185	282x870x185	282x870x185	282x870x185
	Outdoor		540x660x290	540x660x290	540x790x290	540x790x290
Weight	Indoor		23 (51)	25 (55)	33 (73)	34 (75)
	Outdoor		23 (51)	25 (55)	33 (73)	34 (75)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
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	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15	15
Operation Range	Cooling		-10 to 46	-10 to 46	-10 to 43	-10 to 43
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		0.70 (1.5)	0.85 (1.8)	1.05 (2.2)	1.05 (2.2)

**Optional parts**

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- Communication kit: UTY-TWBXF1
- Wireless LAN Interface: UTY-TFNXZ1

**Dimensions**

(Unit : mm)



# Wall Mounted Standard Range

High Efficiency & Comfort



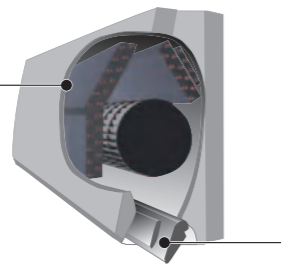
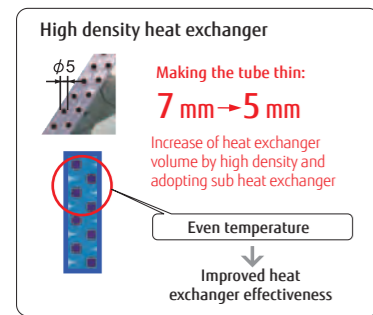
Model: ASHG07LMCA / ASHG09LMCA / ASHG12LMCA / ASHG14LMCA



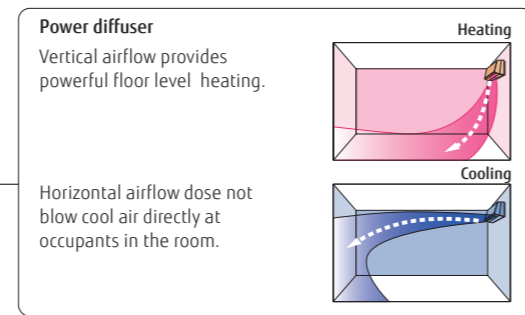
### Specifications

Model No.	Indoor unit		ASHG07LMCA	ASHG09LMCA	ASHG12LMCA	ASHG14LMCA	
	Outdoor unit		AOHG07LMCA	AOHG09LMCA	AOHG12LMCA	AOHG14LMCA	
Power Source	Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.4 (0.9-3.9)	4.0 (0.9-4.4)	
	Heating	kW	3.0 (0.5-3.4)	3.2 (0.5-4.0)	4.0 (0.9-5.3)	5.0 (0.9-6.0)	
Input Power	Cooling/Heating		0.465/0.770	0.65/0.73	0.97/1.02	1.135/1.365	
EER	Cooling		4.30	3.85	3.50	3.52	
COP	Heating		3.90	4.38	3.92	3.66	
	Cooling/Heating(-10°C)		2.0/2.3	2.5/2.4	3.4/3.5	4.0/3.9	
SEER	Cooling		6.80	7.00	7.00	6.90	
SCOP	Heating (Average)		4.10	4.10	4.00	4.00	
	Cooling		A++	A++	A++	A++	
Energy Efficiency Class	Heating (Average)		A+	A+	A+	A+	
	Cooling/Heating		6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5	
Max. Operating Current	Cooling		103	125	170	203	
	Heating		786	820	1225	1365	
Annual Energy Consumption	Cooling		1.0	1.3	1.8	2.1	
	Heating		43/40/32/21	43/40/32/21	43/40/32/21	44/40/33/25	
Moisture Removal	Indoor (Cooling)		H/M/L/Q	H/M/L/Q	H/M/L/Q	H/M/L/Q	
	Indoor (Heating)		H/M/L/Q	H/M/L/Q	H/M/L/Q	H/M/L/Q	
Sound Pressure Level	Outdoor(Cooling/Heating)		High	High	High	High	
	Indoor(Cooling/Heating)		High	High	High	High	
Sound Power Level	Outdoor(Cooling/Heating)		High	High	High	High	
	Indoor(Cooling/Heating)		High	High	High	High	
Airflow Rate	Indoor / Outdoor		High	High	High	High	
	Indoor		mm	268×840×203	268×840×203	268×840×203	268×840×203
Net Dimensions H x W x D	Indoor		kg(lbs)	8.5 (19)	8.5 (19)	8.5 (19)	8.5 (19)
	Outdoor		mm	535×663×293	535×663×293	535×663×293	540×790×290
Weight	Indoor		kg(lbs)	21 (46)	21 (46)	26 (57)	34 (75)
	Outdoor		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Connection Pipe Diameter (Liquid / Gas)			mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Drain hose Diameter (I.D./O.D.)			m	20 (15)	20 (15)	20 (15)	20 (15)
Max Pipe Length (Pre-Charge)			°CDB	-10 to 43	-10 to 43	-10 to 43	-10 to 43
Max Height Difference	Cooling		kg(CO2eq-T)	0.70 (1.5)	0.70 (1.5)	0.85 (1.8)	1.05 (2.2)
	Heating						
Operation Range	Type (Global Warming Potential)						
Refrigerant	Charge						

### High efficient compact design

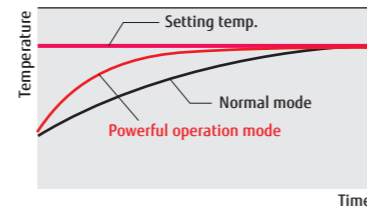


### More comfort airflow



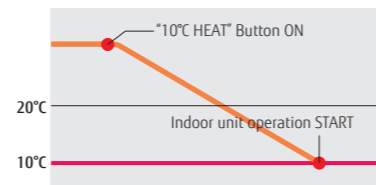
### Powerful operation

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



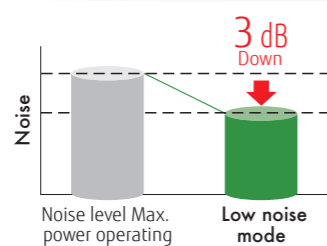
### 10°C HEAT Operation

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

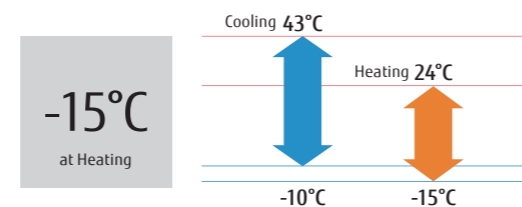


### Low noise mode for outdoor unit

Low noise mode of outdoor unit can be selected by wireless remote controller.



### Low ambient operation

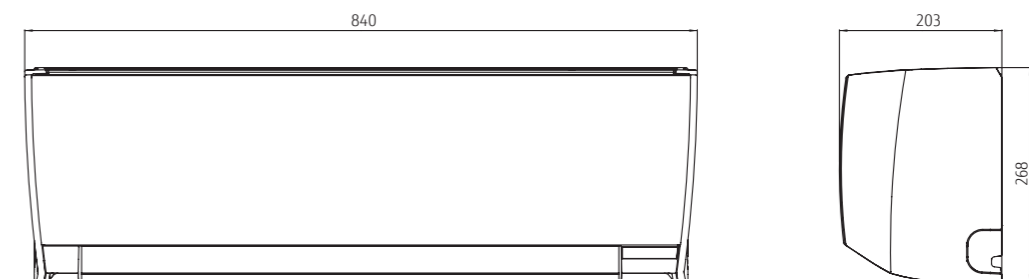


### Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- Communication kit: UTY-XCBX22

### Dimensions

(Unit : mm)



# Wall Mounted Standard Range

Comfort for Large Room



(18/30) (24)  
ALL DC I-PAM V-PAM



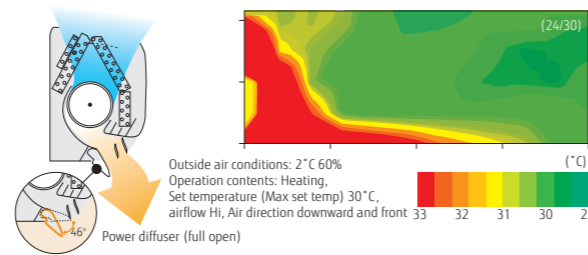
Model: ASHG18LFCA / ASHG24LFCC / ASHG30LFCA



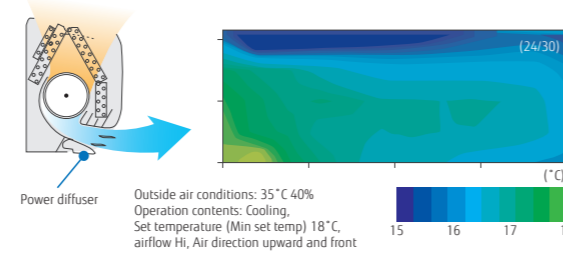
### Specifications

Model No.	Indoor unit		ASHG18LFCA	ASHG24LFCC	ASHG30LFCA
	Outdoor unit		AOHG18LFC	AOHG24LFC	AOHG30LFT
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	5.2 (0.9-6.0)	7.1 (0.9-8.0)	8.0 (2.9-9.0)
	Heating		6.3 (0.9-9.1)	8.0 (0.9-10.6)	8.8 (2.2-11.0)
Input Power	Cooling/Heating		kW	2.20/2.21	
	Cooling			3.23	
EER	Cooling		W/W	3.21	
	Heating			3.61	
COP	Cooling/Heating(-10°C)		kW	7.1/7.1	
	Cooling			6.11	
SEER	Cooling		W/W	3.80	
	Heating (Average)			3.80	
Energy Efficiency Class	Cooling		A++		A+
	Heating (Average)		A		A
Max. Operating Current	Cooling/Heating		A	13.5/18.5	
	Cooling			17.0/19.0	
Annual Energy Consumption	Cooling		kWh/a	406	
	Heating			2941	
Moisture Removal	Cooling		l/h	2.7	
	Heating			3.2	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/37/33/26		
	Indoor (Heating)	H/M/L/Q	42/37/33/25		
	Outdoor (Cooling/Heating)	High	48/42/37/32		
Sound Power Level	Indoor (Cooling/Heating)	High	50/51		
	Indoor (Cooling/Heating)	High	58/58		
	Outdoor (Cooling/Heating)	High	65/-		
Airflow Rate	Indoor / Outdoor	High	900/2150		1120/2460
	Indoor	mm	320×998×238		320×998×238
Net Dimensions H x W x D	Indoor	kg(lbs)	14 (31)		14 (31)
	Outdoor	mm	620×790×290		830×900×330
Weight	Indoor	kg(lbs)	41 (90)		61 (135)
	Outdoor	kg(lbs)	41 (90)		61 (135)
Connection Pipe Diameter (Liquid / Gas)			6.35/12.7		6.35/15.88
Drain hose Diameter (I.D./O.D.)			12/16		12/16
Max Pipe Length (Pre-Charge)			25 (15)		30 (15)
Max Height Difference			20		30
Operation Range	Cooling	°CDB	-10 to 46		-10 to 46
	Heating	°CDB	-15 to 24		-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)		R410A (2,088)
	Charge	kg(CO2eq-T)	1.20 (2.5)		1.80 (3.8)

### "Vertical airflow" provides powerful floor level heating



### "Horizontal airflow" does not blow cool air directly at the occupants in the room



### Air conditioner filter features

Using different filters at both sides



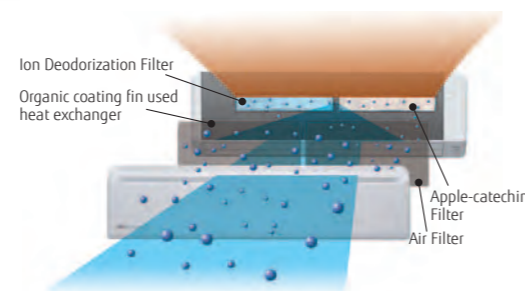
#### Ion Deodorization Filter

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



#### Apple-catechin Filter

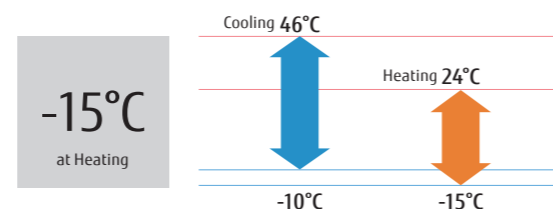
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.



### Flexible Installation

	18 type	24 type	30 type
Max. Piping Length	25 m	30 m	50 m
Max. Height	20 m	20 m	30 m

### Low ambient operation



### Optional parts

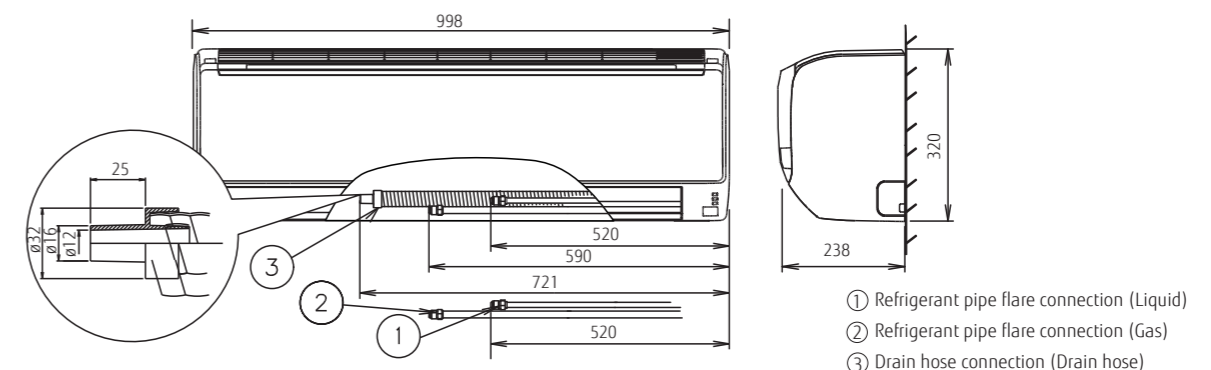
Wired Remote Controller: UTY-RNNGM, UTY-RVNGM

Simple Remote Controller: UTY-RSNGM

Wireless LAN Interface: UTY-TFNXZ1

### Dimensions

(Unit : mm)





# Wall Mounted Standard Range

Comfort for Large Room



Model: ASHG30LMTA / ASHG36LMTA

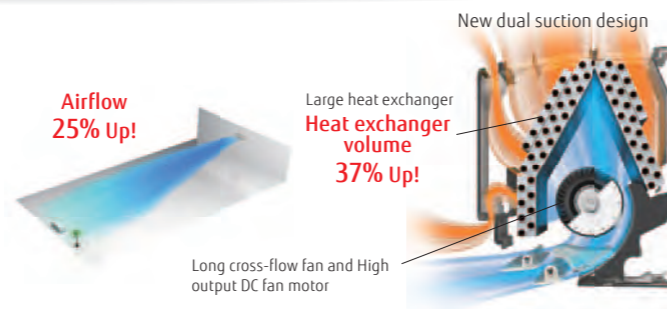


### Specifications

Model No.	Indoor unit		Outdoor unit		ASHG30LMTA	ASHG36LMTA
	Outdoor unit		AOHG30LMTA		AOHG36LMTA	
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			8.0 (2.9-9.0)	9.4 (2.9-10.0)
	Heating	kW			8.8 (2.2-11.0)	10.1 (2.7-11.2)
Input Power	Cooling/Heating		kW	2.33/2.41		
	Cooling		W/W	3.43		
EER	Cooling		W/W	3.65		
	Heating		W/W	3.41		
Pdesign	Cooling/Heating(-10°C)		kW	8.0/6.5		
SEER	Cooling		W/W	6.35		
SCOP	Heating (Average)		W/W	4.15		
	Cooling		W/W	4.19		
Energy Efficiency Class	Cooling			A++		
	Heating (Average)			A+		
Max. Operating Current	Cooling/Heating		A	14.5/14.5		
	Cooling		kWh/a	441		
Annual Energy Consumption	Heating		kWh/a	2,193		
			l/h	2.7		
Moisture Removal	Indoor (Cooling)		H/M/L/Q	50/44/38/31		
	Indoor (Heating)		H/M/L/Q	49/44/39/31		
Sound Pressure Level	Outdoor(Cooling/Heating)		High	52/55		
	Indoor(Cooling/Heating)		High	65/65		
Sound Power Level	Outdoor(Cooling/Heating)		High	67/68		
	Indoor(Cooling/Heating)		High	68/70		
Airflow Rate	Indoor / Outdoor		High	1380/3600		
	Indoor		mm	340×1150×280		
Net Dimensions H x W x D	Indoor		kg(lbs)	18 (40)		
	Outdoor		mm	830×900×330		
Weight	Outdoor		kg(lbs)	61 (134)		
			mm	9.52/15.88		
Connection Pipe Diameter (Liquid / Gas)			mm	13.8 / 15.8 to 16.7		
Drain hose Diameter (I.D./O.D.)			m	50 (20)		
Max Pipe Length (Pre-Charge)			m	30		
Max Height Difference	Cooling		°CDB	-15 to 46		
	Heating		°CDB	-15 to 24		
Refrigerant	Type (Global Warming Potential)			R410A (2,088)		
	Charge		kg(CO2eq-T)	2.10 (4.4)		

### Large Capacity & Powerful airflow

Achieved large capacity and powerful airflow by large heat exchanger, long cross-flow fan, high output DC fan motor and new airflow structure design.



### Human sensor

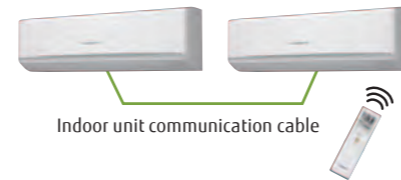
Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to previous operating mode.



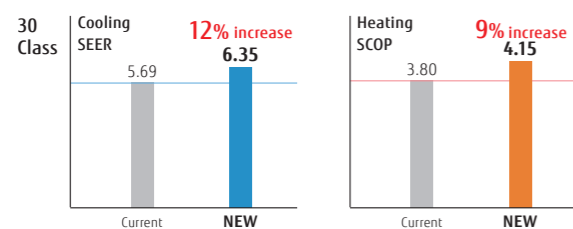
### Server room function\*

The following interlock operation is possible by connecting 2 indoor units with a cable. Cooling operation can be performed even in the low outdoor temperature and low humidity environment.

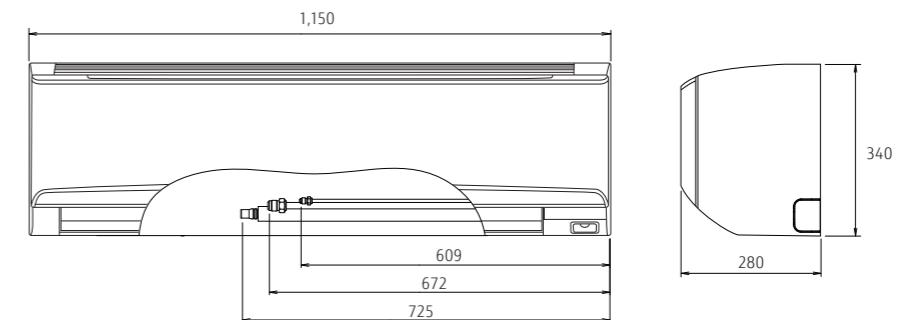
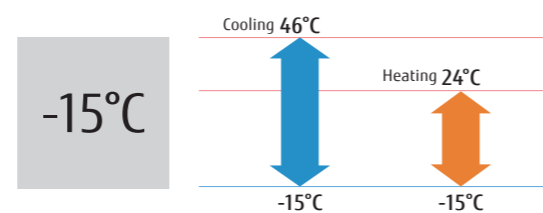
- **Alternative operation:** Two units operate alternately
- **Backup operation:** When 1 unit breaks down, the other unit starts operating automatically.
- **Supporting operation:** Both units operate simultaneously when the loaded capacity is not enough with one unit



### High seasonal energy efficiency



### Low ambient operation



PRODUCT LINEUP: SPLIT

Wall Mounted  
ECO Range  
Compact & Comfort



Model: ASHG07LLCC / ASHG09LLCC / ASHG12LLCC



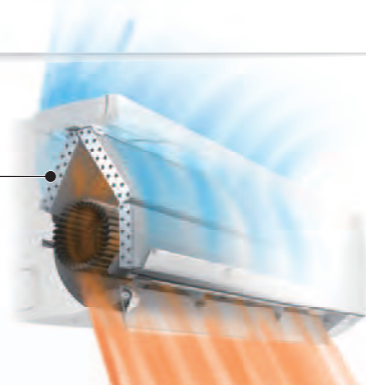
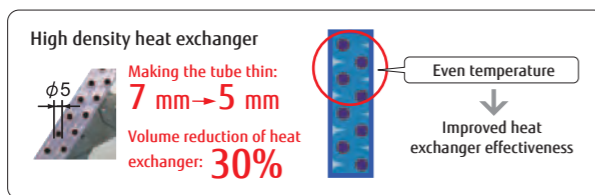
Wireless R.C.



Specifications

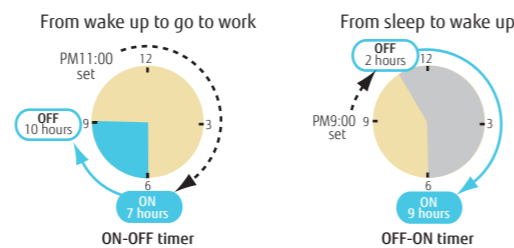
Model No.	Indoor unit		ASHG07LLCC	ASHG09LLCC	ASHG12LLCC
	Outdoor unit		AOHG07LLCC	AOHG09LLCC	AOHG12LLCC
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.0(0.9-2.8)	2.5(0.9-3.0)	3.4(0.9-3.8)
	Heating	kW	2.7(0.9-3.6)	3.0(0.9-3.8)	4.0(0.9-5.0)
Input Power	Cooling/Heating		0.470/0.620	0.730-0.740	1.080/1.130
EER	Cooling	W/W	4.26	3.42	3.15
	Heating	W/W	4.35	4.05	3.54
Pdesign	Cooling/Heating(-10°C)		2.0/2.2	2.5/2.3	3.4/3.2
SEER	Cooling	W/W	6.70	6.90	6.60
	Heating (Average)	W/W	4.00	4.00	3.80
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A
Max. Operating Current	Cooling/Heating		6.0/7.5	6.0/7.5	6.5/9.0
Annual Energy Consumption	Cooling	kWh/a	104	127	180
	Heating	kWh/a	770	805	1,179
Moisture Removal			1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22
	Indoor (Heating)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22
	Outdoor(Cooling/Heating)	High	47/48	47/48	50/51
Sound Power Level	Indoor(Cooling/Heating)	High	59/60	59/60	59/60
	Outdoor(Cooling/Heating)	High	61/61	61/61	65/65
	Indoor / Outdoor	High	720/1,670	720/1,670	720/1,830
Airflow Rate	Indoor / Outdoor	High	720/1,670	720/1,670	720/1,830
	Indoor	mm	262×820×206	262×820×206	262×820×206
Net Dimensions H x W x D	Indoor	kg(lbs)	7.0(15)	7.0(15)	7.0(15)
	Outdoor	mm	535×663×293	535×663×293	535×663×293
Weight	Indoor	kg(lbs)	24(53)	24(53)	26(57)
	Outdoor	kg(lbs)	24(53)	24(53)	26(57)
Connection Pipe Diameter (Liquid / Gas)			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)			20(15)	20(15)	20(15)
Max Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A(2,088)	R410A(2,088)	R410A(2,088)
	Charge	kg(CO2eq-T)	0.65(1.4)	0.65(1.4)	0.85(1.8)

High efficient compact design



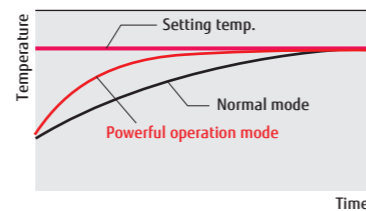
ON-OFF Programmable timer

You can set an integrated ON-OFF or OFF-ON timer suitable for your life style. (Setting time: 0.5, 1, 1.5, 2, 2.5, -----9.5, 10, 11, 12 hours)



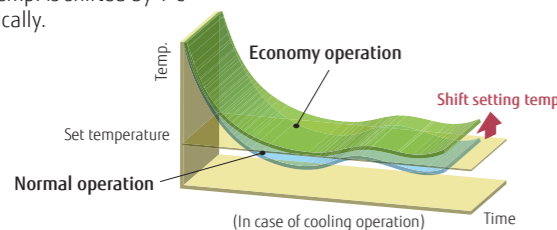
Powerful operation

20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.

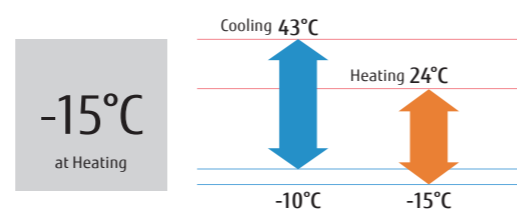


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation

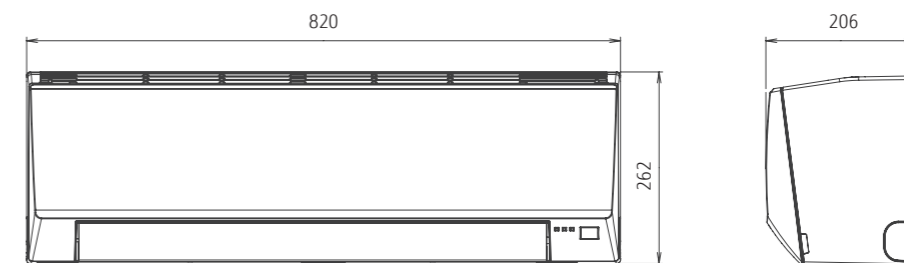


Optional parts

Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



# Compact Cassette

## 4-way Flow

Compact & Comfort



Model : AUHG12LVLB / AUHG14LVLB / AUHG18LVLB / AUHG24LVA



For AUHG12/14LVLB

For AUHG18LVLB

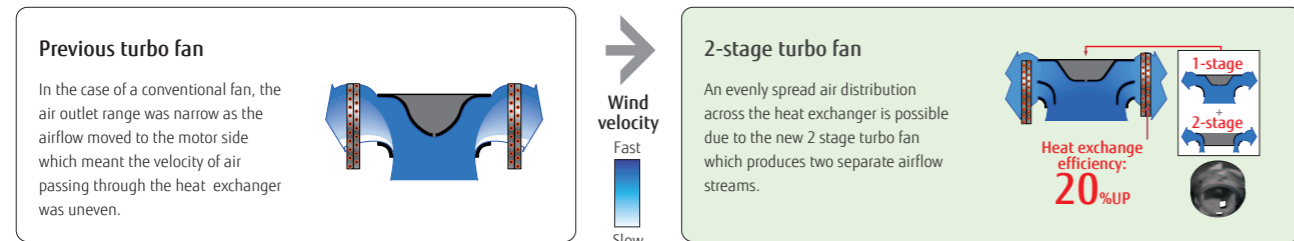
For AUHG24LVA

### Specifications

Model No.	Indoor unit		AUHG12LVLB	AUHG14LVLB	AUHG18LVLB	AUHG24LVA
	Outdoor unit		AOHG12LALL	AOHG14LALL	AOHG18LBCB	AOHG24LBCB
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.0)
Input Power	Cooling/Heating		1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
	Cooling	W/W	3.33	3.21	3.21	3.08
COP	Heating		3.69	3.71	3.61	3.54
	Pdesign	Cooling/Heating(-10°C)	3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
SEER	Cooling		6.20	6.40	6.20	5.60
	Heating (Average)		4.10	4.40	4.20	3.90
Energy Efficiency Class	Cooling		A++	A++	A++	A+
	Heating (Average)		A+	A+	A+	A
Max. Operating Current	Cooling/Heating		7.5/10.0	9.0/12.5	11.5/13.5	14.7/15.7
	Cooling		198	235	293	425
Annual Energy Consumption	Heating		1431	1432	1731	2151
	Moisture Removal		1.2	1.5	2.2	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
	Indoor (Heating)	H/M/L/Q	37/34/31/29	43/38/34/30	43/38/34/30	49/45/40/33
Sound Power Level	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50	53/54
	Indoor(Cooling/Heating)	High	49/49	50/55	50/55	59/61
Airflow Rate	Indoor / Outdoor	High	600/1780	680/1910	680/2380	930/2850
	Net Dimensions H x W x D	Indoor	mm	245×570×570	245×570×570	245×570×570
Outdoor		mm	578×790×300	578×790×300	632×799×290	716×820×315
Weight	Indoor	kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
	Outdoor	kg(lbs)	40 (88)	40 (88)	36 (79)	42 (95)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)			25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			25 (15)	25 (15)	25 (15)	30 (15)
Max Height Difference			15	15	15	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.20 (2.5)	1.50 (3.1)
Cassette Grille	Model name		UTG-UFGD-W	UTG-UFGD-W	UTG-UFGD-W	UTG-UFGD-W
	Dimensions (H x W x D)	mm	49×700×700	49×700×700	49×700×700	49×700×700
	Weight	kg(lbs)	2.6 (6)	2.6 (6)	2.6 (6)	2.6 (6)

### 2-stage turbo fan

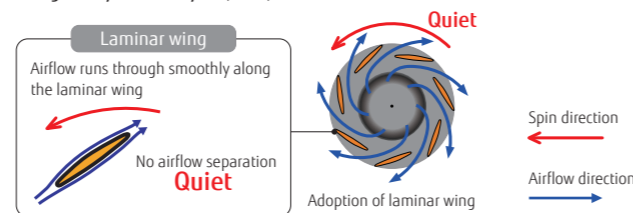
High efficiency design by 2 stage structure



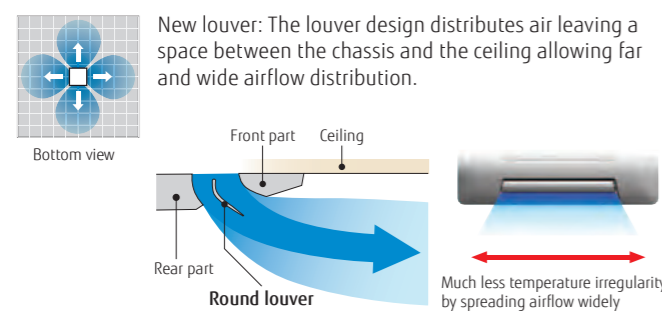
### Quiet quality

Optimized wing form (laminar wing type) and wing number (7 blades each)

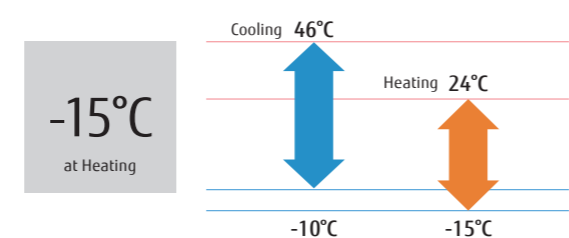
Designed by CFD-analysis (fluid) simulations



### Improvement of the airflow distribution



### Low ambient operation



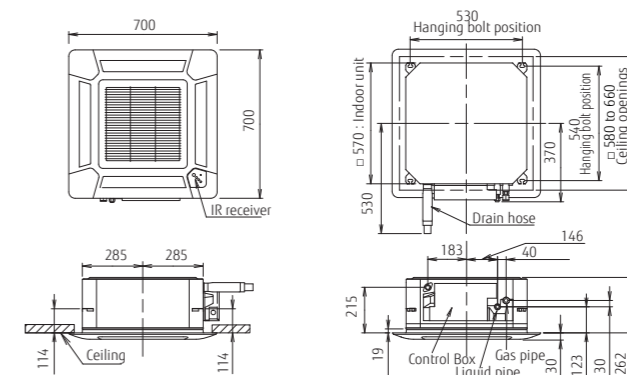
### Optional parts

- Air Outlet Shutter Plate: UTR-YDZB
- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- Insulation Kit For High Humidity: UTZ-KXGC
- Fresh Air Intake Kit: UTZ-VXAA



### Dimensions

(Unit : mm)



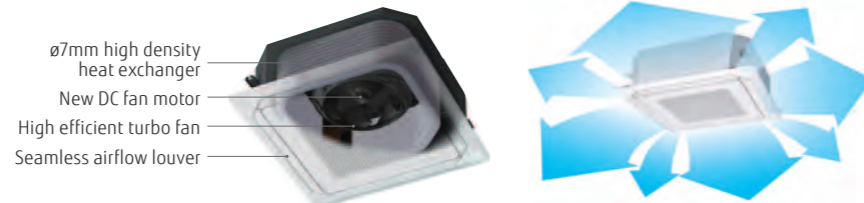
**PRODUCT LINEUP: SPLIT**

**Cassette**  
Circular Flow  
Comfort for large room



**Unique Circular Flow design**

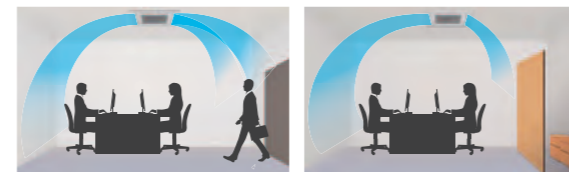
New Cassette type realizes Circular Flow to blow large airflow in 360° direction by mounting high performance DC fan motor, new turbo fan and unique seamless airflow louver design.



**Individual louver control**

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

\*Touch Panel Wired RC (UTY-RNRGZ2) only



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

Efficient air conditioning based on the room layout

**Human sensor increases more energy saving**

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

**2 modes can be selected.**

- Auto saving** Power is saved while people are away.
- Auto OFF** Operation stops after people go out.

\*Touch Panel Wired RC (UTY-RNRGZ2) only

Human sensor (Option)

**Various Cassette Grille**

Both black and white color grilles are available. There are three types, white color grille with Remote Controller, only white color grille and only black color grille. Possible to choose according to the atmosphere and the use of the room.



**Model: AUXG18LRLB / AUXG24LRLB  
AUXG30LRLB / AUXG36LRLB / AUXG45LRLB / AUXG54LRLB**



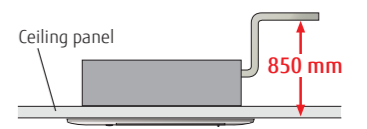
**Specifications**

Model No.	Indoor unit		AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB
	Outdoor unit		AOHG18LBCA	AOHG24LBCA	AOHG30LBTB	AOHG36LBTB	AOHG45LBTB	AOHG54LBTB
Power Source			Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)
	Heating	kW	6.0 (0.9-8.0)	7.8 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	14.0 (4.2-16.2)	15.8 (4.7-16.5)
Input Power	Cooling/Heating	kW	1.42/1.50	2.16/2.18	2.56/2.77	2.96/2.91	3.85/3.73	4.38/4.58
EER	Cooling		3.66	3.15	3.32	3.21	3.25	3.04
COP	Heating	W/W	4.00	3.58	3.61	3.71	3.75	3.45
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.3	6.8/6.0	8.5/8.0	9.5/8.7	-	-
SEER	Cooling		7.05	6.60	6.70	6.40	-	-
SCOP	Heating (Average)	W/W	4.40	4.20	4.30	4.30	-	-
Energy Efficiency Class	Cooling		A++	A++	A++	A++	-	-
	Heating (Average)		A+	A+	A+	A+	-	-
Max. Operating Current	Cooling/Heating	A	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	20.5/20.5	21.5/21.5
Annual Energy Consumption	Cooling	kWh/a	258	361	444	519	-	-
	Heating		1367	1999	2604	2833	-	-
Moisture Removal		l/h	2.2	2.7	2.5	3.3	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
	Indoor (Heating)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36
Sound Power Level	Outdoor (Cooling/Heating)	High	51/50	55/56	53/55	54/55	55/55	55/57
	Indoor (Cooling/Heating)	High	47/47	49/49	54/54	58/58	60/60	61/61
Airflow Rate	Indoor / Outdoor	High	1050/1900	1150/2460	1600/3600	1900/3800	2000/6750	2100/6750
	Indoor	mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840
Net Dimensions H x W x D	Indoor	kg (lbs)	24 (53)	24 (53)	26 (57)	26 (57)	29 (64)	29 (64)
	Outdoor	mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
Weight	Outdoor	kg (lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
	Indoor	mm	6.35/12.7	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Connection Pipe Diameter (Liquid / Gas)		mm	25/32	25/32	25/32	25/32	25/32	25/32
Drain hose Diameter (I.D./O.D.)		mm	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)
Max Pipe Length (Pre-Charge)		m	20	20	30	30	30	30
Max Height Difference	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.80 (3.8)	1.80 (3.8)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.35 (7.0)
Cassette Grille	Variation		UTG-UKGA-W: White Color with touch panel wired remote controller UTG-UKGC-W: White Color / UTG-UKGA-B*: Black Color					
	Dimensions (H x W x D)	mm	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950
	Weight	kg (lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

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

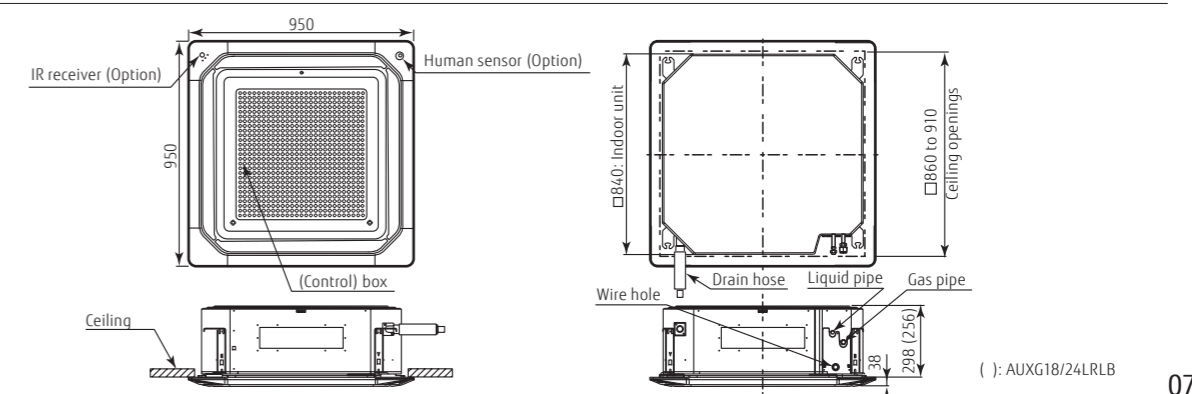
**Optional parts**

- Wired Remote Controller: UTY-RNRGZ2, UTY-RVNGM, UTY-RLRG, UTY-RNNGM
- Simple Remote Controller: UTY-RSNGM, UTY-RSRG
- IR Receiver Kit: UTY-LBTGC
- Human Sensor Kit: UTY-SHZXC
- Wide Panel: UTG-AKXA-W
- Panel Spacer: UTG-BKXA-W
- Air Outlet Shutter Plate: UTR-YDZK
- Insulation Kit For High Humidity: UTZ-KXRA
- Flesh Air Intake Kit: UTZ-VXRA
- External input and output PCB (with box): UTY-XCSX + UTZ-GXRA
- External connect kit: UTY-XWZXG, UTY-XWZXZ3
- Cassette Grille: UTG-UKGA-W, UTG-UKGA-B, UTG-UKGC-W
- Wireless LAN Interface: UTY-TFNXZ1



**Dimensions**

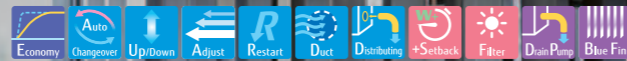
(Unit : mm)



# Cassette

## 4-way Flow

Comfort for large room



(45/54)

Model : AUHG30LRL / AUHG36LRL / AUHG45LRL / AUHG54LRL / AUHG36LRLA [3phase] / AUHG45LRLA [3phase] / AUHG54LRLA [3phase]



Wired R.C.

For AUHG30/36LRL

For AUHG45LRLA (Single-phase)

For AUHG36/45/54LRLA

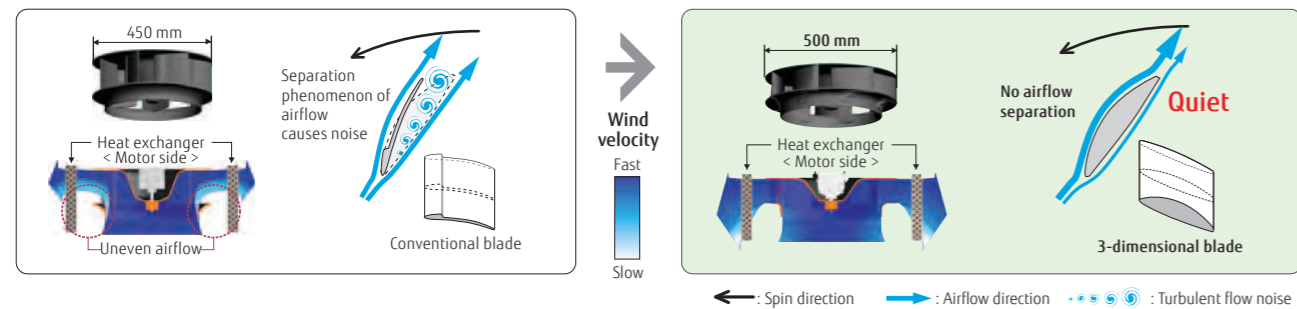
### Specifications

Model No.	Indoor unit					Outdoor unit								
	AUHG30LRL	AUHG36LRL	AUHG45LRL	AUHG45LRLA	AUHG54LRLA	AOHG30LETL	AOHG36LETL	AOHG45LBTC	AOHG45LETL	AOHG54LETL	AOHG36LATT	AOHG45LATT	AOHG54LATT	
Power Source	Single-phase, ~230V, 50Hz					3-phase, ~400V, 50Hz								
Capacity	Cooling	kW		8.5 (2.8-10.0)	10.0 (2.8-11.2)	12.1 (4.0-13.5)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating	kW		2.65/2.77	3.12/3.02	3.89/3.85	3.88/3.77	4.42/4.69	2.44/2.56	3.54/3.58	4.36/4.43	4.38	3.91	3.61
EER	Cooling	W/W		3.21	3.21	3.11	3.22	3.01	4.10	3.53	3.21			
COP	Heating	W/W		3.61	3.71	3.51	3.71	3.41	4.38	3.91	3.61			
Pdesign	Cooling/Heating(-10°C)	kW		8.5/8.0	10.0/8.7	-	-	-	10.0/10.0	-	-			
SEER	Cooling	W/W		6.50	6.30	-	-	-	6.50	-	-			
SCOP	Heating (Average)	W/W		4.30	4.20	-	-	-	4.30	-	-			
Energy Efficiency Class	Cooling	A++		A++	-	-	-	-	A++	-	-			
	Heating (Average)	A+		A+	-	-	-	-	A+	-	-			
Max. Operating Current	Cooling/Heating	A		17.0/17.0	18.5/20.0	23.5/23.5	20.5/20.5	21.5/21.5	7.9/7.9	8.9/8.9	9.9/9.9			
Annual Energy Consumption	Cooling	kWh/a		458	555	-	-	-	538	-	-			
	Heating	kWh/a		2604	2897	-	-	-	3253	-	-			
Moisture Removal		l/h		2.5	3.5	4.5	4.5	5.0	3.0	4.5	5.0			
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q		40/38/36/32	43/38/36/32	46/42/40/36	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37			
	Indoor (Heating)	H/M/L/Q		40/38/36/32	43/38/36/32	46/42/40/36	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37			
Sound Power Level	Outdoor (Cooling/Heating)	High		53/55	54/55	58/58	55/55	55/57	51/53	54/54	55/56			
	Indoor (Cooling/Heating)	High		54/54	57/57	-	-	-	58/58	-	-			
Airflow Rate	Indoor / Outdoor	High		m³/h	1600/3600	1800/3800	1900/4650	1900/6750	2000/6750	1800/6200	1900/6750	2000/6900		
	Net Dimensions	Indoor		mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840		
H x W x D	Indoor		kg (lbs)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)			
	Outdoor		kg (lbs)	830 (900×330)	830 (900×330)	914 (970×370)	1290 (900×330)	1290 (900×330)	1290 (900×330)	1290 (900×330)	1290 (900×330)	1290 (900×330)		
Weight	Indoor		kg (lbs)	61 (135)	61 (135)	75 (165)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)			
	Outdoor		kg (lbs)	61 (135)	61 (135)	75 (165)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)			
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	9.52/15.88			
Drain hose Diameter (I.D./O.D.)			mm	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0			
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)			
Max Height Difference			m	30	30	30	30	30	30	30	30			
Operation Range	Cooling	°CDB		-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46			
	Heating	°CDB		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24			
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)			
	Charge	kg(CO2eq-T)		2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.0)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)			
Cassette Grille	Model name			UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W			
	Dimensions (H x W x D)	mm		50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950			
Weight	kg (lbs)		5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)				

### High efficiency turbo fan with 3-dimensional blade

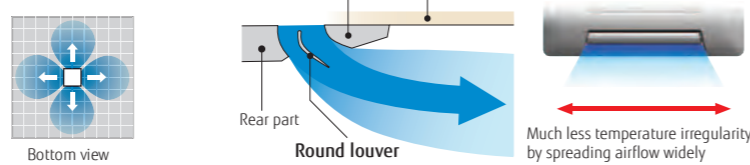
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

New turbo fan: High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.



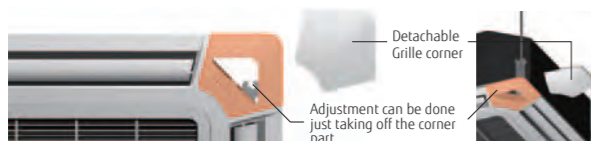
### Improvement of the airflow distribution

New louver: The louver design distributes air leaving a space between the chassis and the ceiling allowing far and wide airflow distribution.

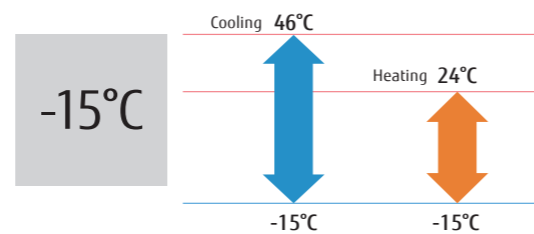


### Adjustment of hanger position is possible after installation

Hanging bracket can be checked directly by removing the corner cover. Hanging position can be arranged easily.

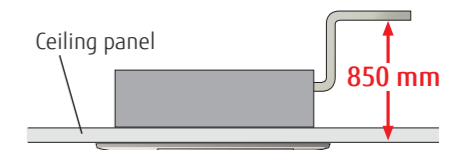


### Low ambient operation



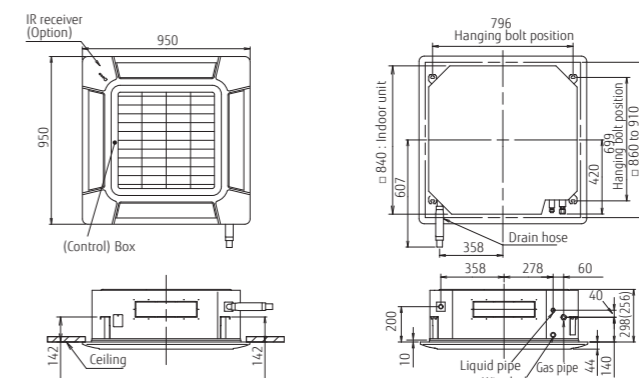
### Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- IR receiver Kit: UTY-LRHGA2
- Wide Panel: UTG-AKXA-W
- Panel Spacer: UTG-BKXA-W
- Air Outlet Shutter Plate: UTR-YDZK
- Insulation Kit For High Humidity: UTZ-KXRA
- Fresh Air Intake Kit: UTZ-VXRA
- Wireless LAN Interface: UTY-TFNXZ1



### Dimensions

(Unit : mm)



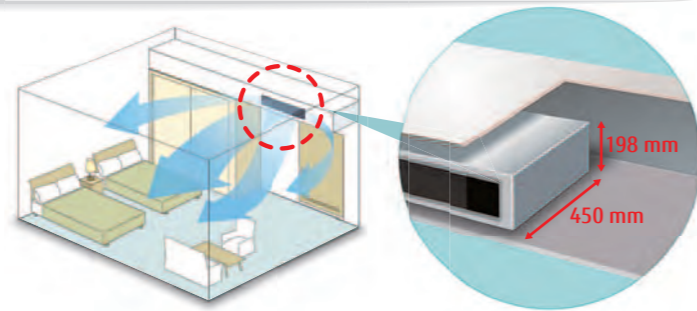
# Mini Duct

Built-in Drain Pump



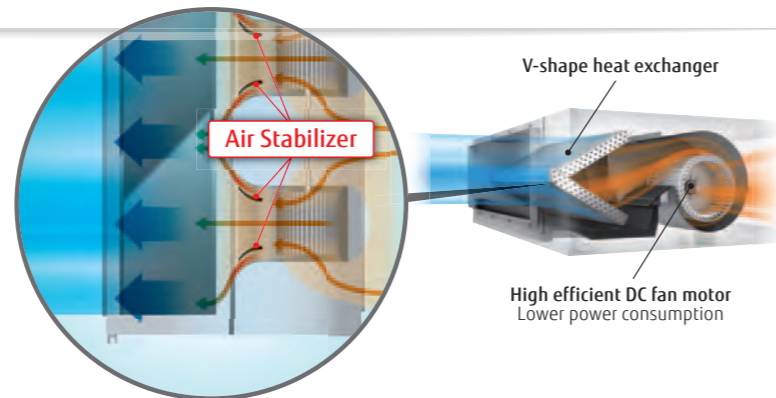
## Large living space available

- Installation space can be reduced down to minimum depth 450 mm height 198 mm and compact design
- Minimum size: Depth 450 mm, Height 198 mm Volume 27% down compared with current model
- Lightweight: 15.5 kg 18% down (12/14 class)



## Optimum airflow path and low noise operation

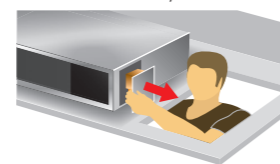
Low noise is realized drastically by stabilized airflow design



## Easy design and maintenance for drain

By using the DC fan motor, it is possible to change the static pressure range from 0 to 50 Pa\*. The change of static pressure range is possible by remote controller.  
\*: 0 to 30 Pa. (12)

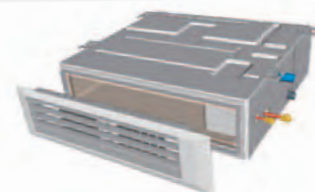
Built-in drain pump as standard: Maintenance is easy



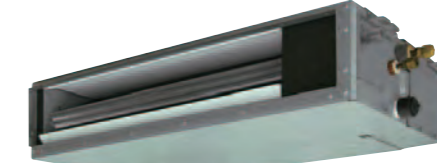
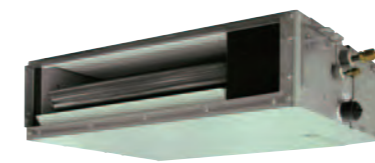
Parts can be replaced from the side of the body where maintenance is easier

## Auto Louver Grille Kit (Option)

- Thin design provides a comfortable living environment over a wide area.
- Automatic louver grille provides comfortable air conditioning all the way down to the floor and matches the interior design well. (Optional)



Model : ARHG12LSLAP / ARHG14LSLAP / ARHG18LSLAP



Wired R.C.



For ARHG12/14LSLAP



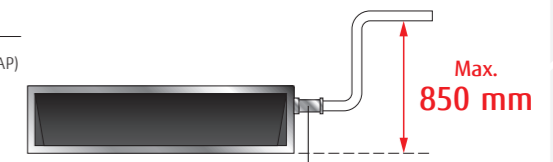
For ARHG18LSLAP

## Specifications

Model No.	Indoor unit		ARHG12LSLAP	ARHG14LSLAP	ARHG18LSLAP
	Outdoor unit		AOHG12LALL	AOHG14LALL	AOHG18LBCB
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating		1.03/1.15	1.34/1.49	1.62/1.77
	Cooling	W/W	3.40	3.21	3.21
COP	Cooling		3.56	3.35	3.38
	Heating		3.56	3.35	3.38
Pdesign	Cooling/Heating(-10°C)		3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling		5.70	5.60	5.80
	Heating		3.90	3.80	3.80
Energy Efficiency Class	Cooling		A+	A+	A+
	Heating		A	A	A
Max. Operating Current	Cooling/Heating		7.5/10.0	9.0/12.5	11.5/13.5
	Cooling	kWh/a	215	269	314
Annual Energy Consumption	Heating		1505	1656	1913
	Moisture Removal		l/h	1.2	1.4
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/27/25/23	35/30/27/23	33/29/26/23
	Indoor (Heating)	H/M/L/Q	31/27/25/23	35/30/27/23	33/29/26/23
	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	55/57	60/62	58/59
	Outdoor(Cooling/Heating)	High	61/63	62/64	62/65
	Airflow Rate	Indoor / Outdoor	High	650/1780	800/1910
Static pressure range (Standard)	Pa		0 - 30 (10)	0 - 50 (15)	0 - 50 (15)
	mm		198×700×450	198×700×450	198×900×450
Net Dimensions H x W x D	Indoor		15.5 (34)	15.5 (34)	18.5 (41)
	Outdoor		578×790×300	578×790×300	632×799×290
Weight	kg(lbs)		40 (88)	40 (88)	36 (79)
	mm		6.35/9.52	6.35/12.70	6.35/12.70
Connection Pipe Diameter (Liquid / Gas)	mm		25/32	25/32	5
Drain hose Diameter (I.D./O.D.)	m		25 (15)	25 (15)	25 (15)
Max Pipe Length (Pre-Charge)	m		15	15	15
Max Height Difference	Cooling		-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Operation Range	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		1.15 (2.4)	1.25 (2.6)	1.20 (2.5)

## Optional parts

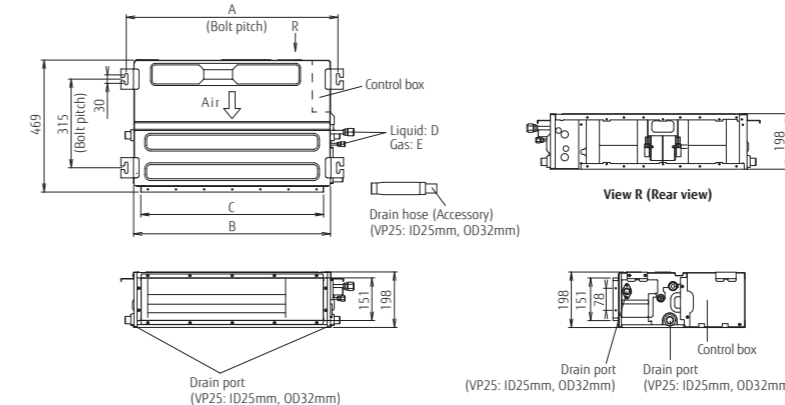
- Wired Remote Controller: UTY-RLRG, UTY-RNRGZ2, UTY-RVNGM Auto Louver Grille Kit: UTD-GXTA-W (ARHG12/14LSLAP)  
 Simple Remote Controller: UTY-RSNGM, UTY-RSRG UTD-GXTB-W (ARHG18LSLAP)  
 IR Receiver Kit: UTY-LBTGM External connect kit: UTY-XWZXZG  
 Remote Sensor Unit: UTY-XSZX Wireless LAN Interface: UTY-TFSXZ1



Drain hose is standard accessory

## Dimensions

(Unit : mm)



	ARHG12/14LSLAP	ARHG18LSLAP
A	752	952
B	700	900
C	650	850
D	6.35	9.52
E	12,7	15.88

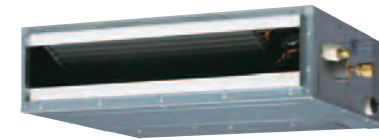
**PRODUCT LINEUP: SPLIT**

# Slim Duct

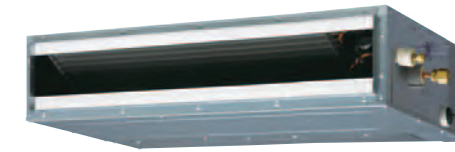
Slim & Comfort



Model : ARHG12LLTB / ARHG14LLTB / ARHG18LLTB



ARHG12/14LLTB



ARHG18LLTB



Wired R.C.



For ARHG12/14LLTB



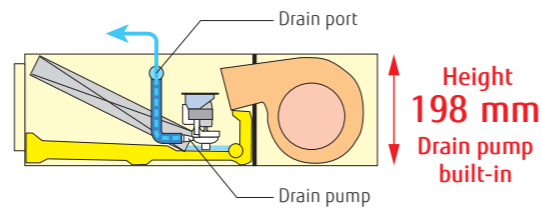
For ARHG18LLTB

**Specifications**

Model No.	Indoor unit		ARHG12LLTB	ARHG14LLTB	ARHG18LLTB	
	Outdoor unit		AOHG12LALL	AOHG14LALL	AOHG18LBCB	
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66	
EER	Cooling		3.33	3.21	3.21	
	Heating	W/W	3.69	3.71	3.61	
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2	
SEER	Cooling		5.90	5.80	6.20	
	Heating	W/W	4.00	3.90	4.10	
Energy Efficiency Class	Cooling		A+	A+	A++	
	Heating		A+	A	A+	
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	11.5/13.5	
	Cooling	kWh/a	207	259	294	
Annual Energy Consumption	Heating	kWh/a	1467	1614	1775	
	Moisture Removal	l/h	1.3	1.5	2.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	29/28/26/25	32/30/28/26	32/30/29/27	
	Indoor (Heating)	H/M/L/Q	29/28/26/24	32/30/28/25	32/30/29/27	
	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50	
Sound Power Level	Indoor(Cooling/Heating)	High	58/58	60/60	58/58	
	Outdoor(Cooling/Heating)	High	61/63	62/64	62/65	
	Airflow Rate	Indoor / Outdoor	m³/h	650/1780	800/1910	940/2380
Static pressure range (Standard)		Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)	
		mm	198×700×620	198×700×620	198×900×620	
Net Dimensions	Indoor	kg(lbs)	19 (42)	19 (42)	23 (51)	
		H x W x D	mm	578×790×300	578×790×300	632×799×290
		Weight	kg(lbs)	40 (88)	40 (88)	36 (79)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70	
	Drain hose Diameter (I.D./O.D.)		25/32	25/32	25/32	
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)	
Max Height Difference			15	15	15	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	1.15 (2.4)	1.25 (2.6)	1.20 (2.5)	

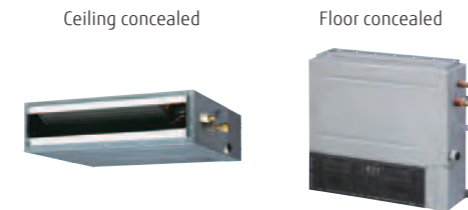
**Slim design**

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



**Flexible installation**

2-type installation methods of ceiling concealed and floor concealed can be selected.



**Selectable with a wide range of static pressure**

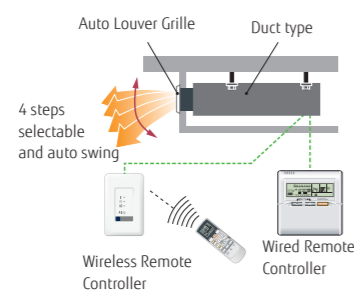
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa. The change of static pressure range is possible by remote controller.



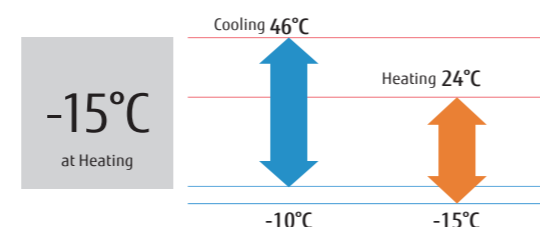
Static pressure range 0 to 90 Pa

**Auto Louver Grille Kit (Option)**

Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.

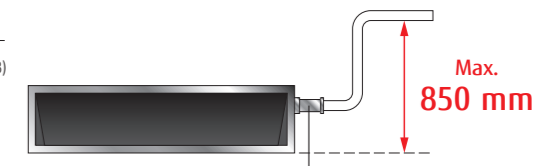


**Low ambient operation**



**Optional parts**

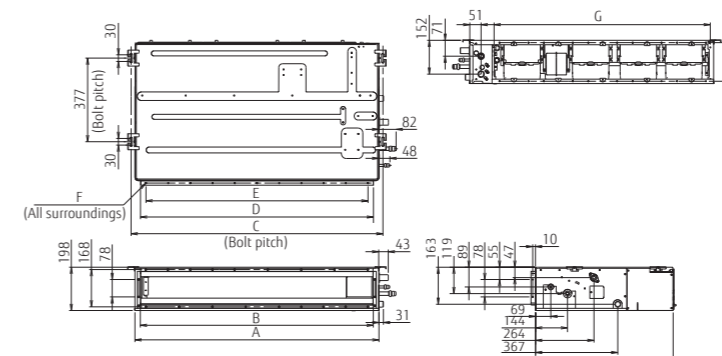
- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- IR Receiver Kit: UTY-LRHGM
- Remote Sensor Unit: UTY-XSZX
- Auto Louver Grille Kit: UTD-GXTA-W (For ARHG12 / 14LLTB), UTD-GXTB-W (For ARHG18LLTB)
- External connect kit: UTD-ECS5A
- Wireless LAN Interface: UTY-TFNXZ1



Drain hose is standard accessory

**Dimensions**

(Unit : mm)



	ARHG12 / 14LLTB	ARHG18LLTB
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	18xØ5	22xØ5
G	574	774

SPLIT, MULTI SPLIT, VRF, VENTILATION, OPTIONAL PARTS, AIR TO WATER

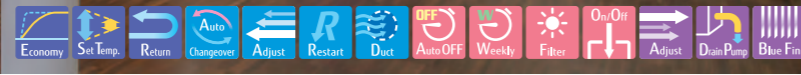
# Medium Static Pressure Duct

Compact & Comfort



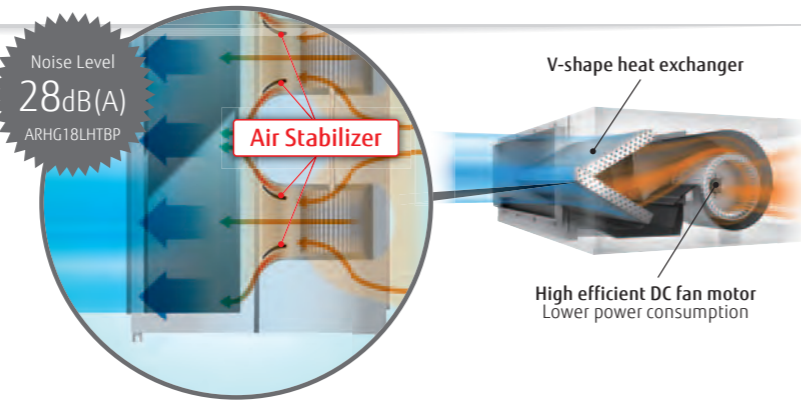
(30/36/45/54) (12/14/18/24)

ALL DC i V  
I-PAM V-PAM



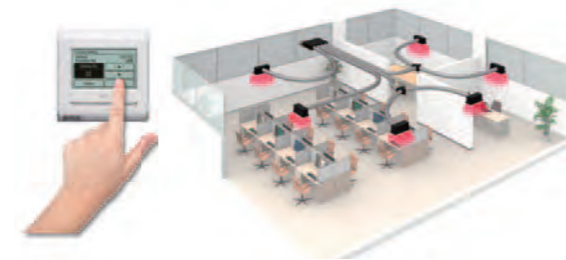
## High Efficiency & Quiet operation

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



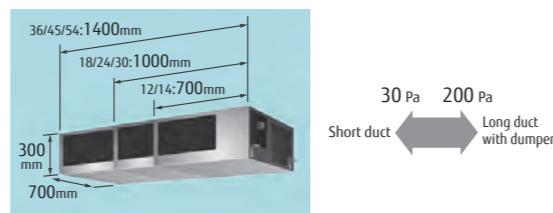
## Automatic Airflow adjustment function

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



## Improved installation flexibility

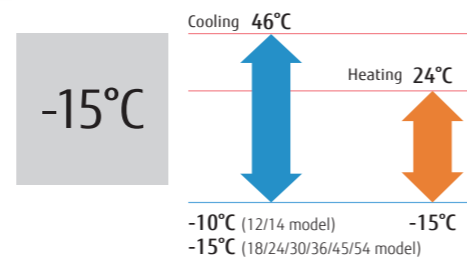
- Capable to be installed in various applications that requires static pressure of 30 Pa to 200 Pa
- Built-in drain pump, rises drain up to 850 mm
- Unified depth throughout the range enables the selection of the capacity regardless of the additional space.



## Improved service and maintenance

- Drain pump is easily detachable from the side
- Easy access to electrical box
- Error code can be checked more in detail from error history

## Low ambient operation



Model: ARHG12LHTBP / ARHG14LHTBP / ARHG18LHTBP / ARHG24LHTBP  
ARHG30LHTBP / ARHG36LHTBP / ARHG45LHTBP / ARHG54LHTBP

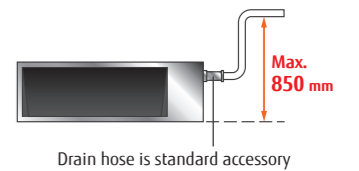


## Specifications

Model No.	Indoor unit		ARHG12LHTBP	ARHG14LHTBP	ARHG18LHTBP	ARHG24LHTBP	ARHG30LHTBP	ARHG36LHTBP	ARHG45LHTBP	ARHG54LHTBP	
	Outdoor unit		AOHG12LBLA	AOHG14LBLA	AOHG18LBCA	AOHG24LBCA	AOHG30LBTB	AOHG36LBTB	AOHG45LBTB	AOHG54LBTB	
Power Source	Single-phase, ~230V, 50Hz										
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-8.0)	8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-16.2)	16.0 (4.7-16.5)	
Input Power	Cooling/Heating	kW	0.90/1.00	1.18/1.25	1.37/1.48	1.95/2.21	2.65/2.70	2.83/3.07	3.59/3.44	4.42/4.62	
EER	Cooling	W/W	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03	
COP	Heating	W/W	4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46	
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/4.3	6.8/6.0	8.5/8.0	9.4/8.7	-	-	
SEER	Cooling	W/W	6.20	6.10	7.15	6.50	5.95	5.81	-	-	
SCOP	Heating (Average)	W/W	4.10	4.00	4.11	4.01	3.95	3.81	-	-	
Energy Efficiency Class	Cooling		A++	A++	A++	A++	A+	A+	-	-	
	Heating (Average)		A+	A+	A+	A+	A	A	-	-	
Max. Operating Current	Cooling/Heating	A	8.0/10.5	9.5/13.0	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	22.5/22.5	23.5/23.5	
Annual Energy Consumption	Cooling	kWh/a	198	247	255	366	500	566	-	-	
	Heating	kWh/a	1434	1573	1462	2092	2833	3194	-	-	
Moisture Removal		l/h	0.7	0.9	1.2	1.8	2.3	2.0	2.6	2.6	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29	
	Indoor (Heating)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29	
	Outdoor (Cooling/Heating)	High	47/48	49/49	50/51	55/56	53/55	54/55	55/55	55/57	
Sound Power Level	Indoor (Cooling/Heating)	High	57/58	59/60	54/54	57/57	63/65	64/63	67/69	67/69	
	Outdoor (Cooling/Heating)	High	60/61	64/63	64/62	68/68	68/69	69/70	68/68	69/71	
Airflow Rate (High)	Indoor / Outdoor	High	m³/h	850/1780	950/1910	1050/1900	1360/2460	1700/3600	2050/3800	2550/6750	2550/6750
Static pressure range (Standard)		Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)	
		mm	300×700×700	300×700×700	300×1000×700	300×1000×700	300×1000×700	300×1400×700	300×1400×700	300×1400×700	300×1400×700
Net Dimensions H x W x D	Indoor	kg (lbs)	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)	
	Outdoor	mm	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330	
Weight	Indoor	kg (lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)	
	Outdoor	kg (lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)	
Max Height Difference			15	15	20	20	30	30	30	30	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	R410A (2.088)	
	Charge	kg(CO2eq-1)	1.15 (2.4)	1.25 (2.6)	1.80 (3.8)	1.80 (3.8)	2.10 (4.4)	2.10 (4.4)	3.35 (7.0)	3.35 (7.0)	

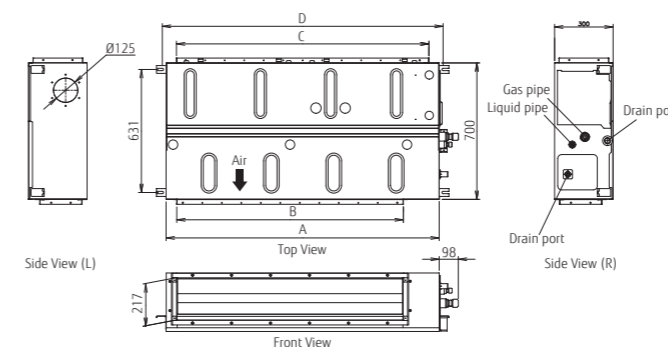
## Optional parts

- Wired Remote Controller: UTY-RNRGZ2, UTY-RVNGM, UTY-RNNGM, UTY-RLRG
- Simple Remote Controller: UTY-RSNGM, UTY-RSRG
- IR Receiver Unit: UTY-LBTGM
- External input and output PCB (with bracket): UTY-XCSX + UTZ-GXNA
- External connect kit: UTY-XWZGXZ, UTY-XWZGXZ
- Long life filter: UTD-LFNA (for ARHG36/45/54LHTBP), UTD-LFNB (for ARHG24/30LHTBP), UTD-LFNC (for ARHG12/14LHTBP)
- Remote Sensor Unit: UTY-XSZX
- Wireless LAN Interface: UTY-TFNXZ1



## Dimensions

(Unit : mm)



	ARHG12/14LHTBP	ARHG18/24/30LHTBP	ARHG36/45/54LHTBP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440



# Medium Static Pressure Duct Standard

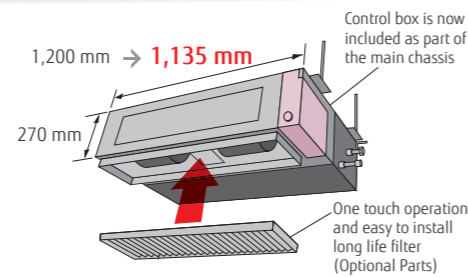


Single phase  
(30/36/45) (24)

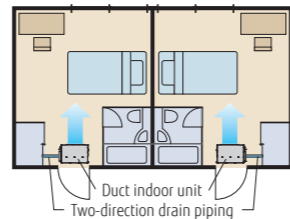


## Slim & Compact design

In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270 mm, Further space savings have been achieved by mounting the control box internally inside the chassis.



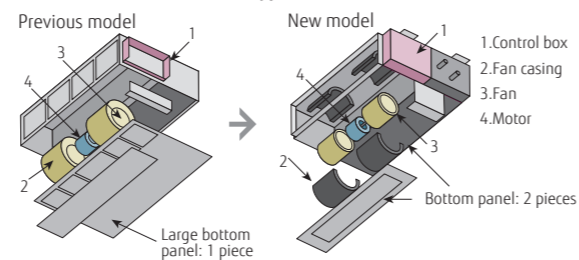
## Two-direction drain piping



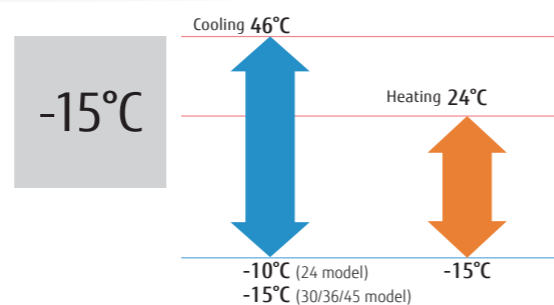
## Easy maintenance

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

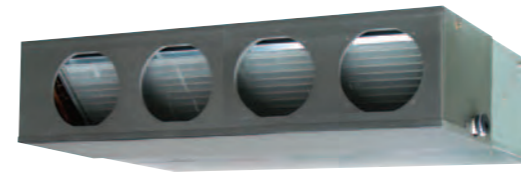
See below for the case of rear suction type



## Low ambient operation



Model : ARHG24LMLA / ARHG30LMLE / ARHG36LMLE / ARHG45LMLA / ARHG36LMLA [3phase] / ARHG45LMLA [3phase]



For ARHG24LMLA

For ARHG30/36LMLE

For ARHG45LMLA (Single-phase)

For ARHG36/45LMLA



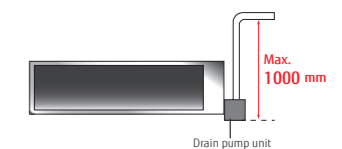
Wired R.C.

## Specifications

Model No.	Indoor unit		ARHG24LMLA	ARHG30LMLE	ARHG36LMLE	ARHG45LMLA	ARHG45LMLA	ARHG36LMLA	ARHG45LMLA	
	Outdoor unit		AOHG24LBCB	AOHG30LETL	AOHG36LETL	AOHG45LBTC	AOHG45LETL	AOHG36LATT	AOHG45LATT	
Power Source	Single-phase, ~230V, 50Hz							3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.0)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	
	Heating		8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.2)	13.1 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	
Input Power	Cooling/Heating	kW	2.21/2.26	2.65/2.68	2.96/3.10	4.29/3.84	3.77/3.68	2.84/2.87	3.89/3.88	
EER	Cooling	W/W	3.08	3.21	3.18	2.82	3.21	3.52	3.21	
COP	Heating		3.54	3.73	3.61	3.46	3.61	3.90	3.61	
Pdesign	Cooling/Heating(-10°C)	kW	6.8/6.0	8.5/8.0	9.4/8.7	-	-	10.0/10.0	-	
SEER	Cooling	W/W	5.60	5.90	5.70	-	-	5.80	-	
SCOP	Heating		3.90	3.90	3.80	-	-	4.00	-	
Energy Efficiency Class	Cooling	A	A++	A+	A+	-	-	A+	-	
	Heating		A+	A	A	-	-	A+	-	
Max. Operating Current	Cooling/Heating	A	14.7/15.7	17.0/17.0	18.5/20.0	23.5/23.5	21.0/21.0	8.5/8.5	9.5/9.5	
Annual Energy Consumption	Cooling	kWh/a	384	504	576	-	-	603	-	
	Heating		2098	2868	3202	-	-	3497	-	
Moisture Removal		l/h	2.5	2.5	3.0	4.0	4.0	3.0	4.5	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	42/38/32/28	38/36/31/26	42/38/32/28	
	Indoor (Heating)	H/M/L/Q	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	42/38/32/28	40/36/31/26	42/38/32/28	
	Outdoor (Cooling/Heating)	High	53/54	53/55	54/55	58/58	55/55	51/53	54/54	
Sound Power Level	Indoor (Cooling/Heating)	High	60/62	65/69	65/70	-	-	65/67	-	
	Outdoor (Cooling/Heating)	High	66/66	68/69	69/70	-	-	67/69	-	
Airflow Rate	Indoor / Outdoor	High	m <sup>3</sup> /h	1100/3600	1900/3600	1900/3800	2100/4650	2100/6750	1800/6200	2100/6750
Static pressure range (Standard)		Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30 to 150 (60)	30 to 150 (47)	30 to 150 (60)	
		mm	270×1135×700	270×1135×700	270×1135×700	270×1135×700	270×1135×700	270×1135×700	270×1135×700	
Net Dimensions H x W x D	Indoor	kg(lbs)	38 (84)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)	
	Outdoor	mm	716×820×315	830×900×330	830×900×330	914×970×370	1290×900×330	1290×900×330	1290×900×330	
Weight		kg(lbs)	42 (-)	61 (134)	61 (134)	75 (165)	86 (190)	104 (229)	104 (229)	
		mm	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Connection Pipe Diameter (Liquid / Gas)		mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	
Drain hose Diameter (I.D./O.D.)		m	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	
Max Pipe Length (Pre-Charge)		m	20	30	30	30	30	30	30	
Max Height Difference	Cooling	°CDB	-10 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)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	1.50 (3.1)	2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	

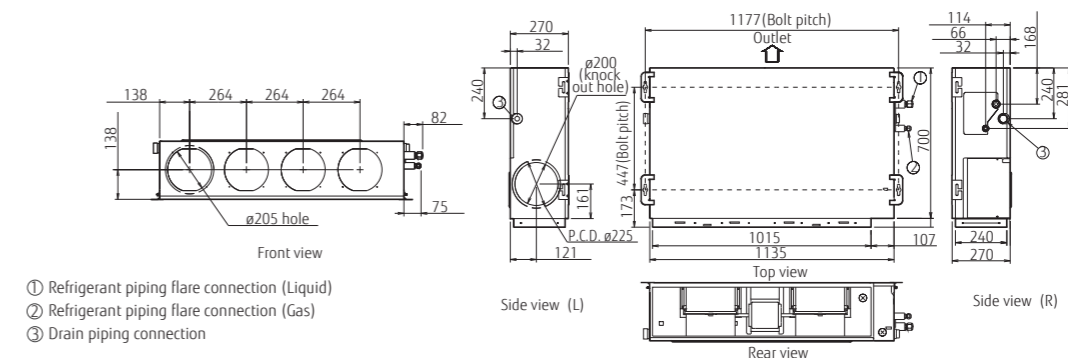
## Optional parts

Wired Remote Controller:	UTY-RNNGM, UTY-RVNGM	Remote Sensor Unit:	UTY-XSZX
Simple Remote Controller:	UTY-RSNGM	Drain Pump Unit:	UTZ-PXINBA
Flange (Round):	UTD-RF204	IR Receiver Kit:	UTY-LRHGM
Flange (Square):	UTD-SF045T	External connect kit:	UTD-ECCSA
Long Life Filter:	UTD-LF25NA	Wireless LAN Interface:	UTY-TFNXZ1



## Dimensions

(Unit : mm)



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

# High Static Pressure Duct



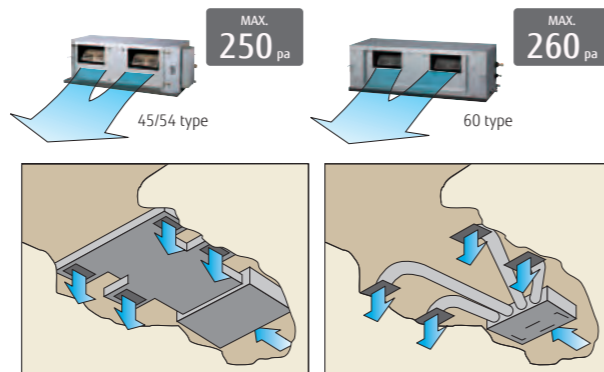
(60) Single phase  
ALL DC I-PAM



## High energy efficiency

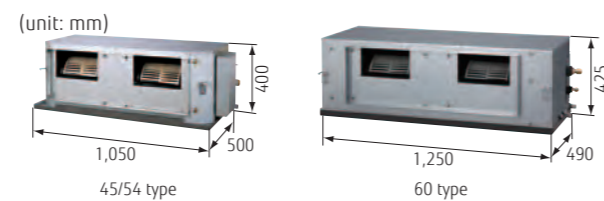
Significantly greater efficiency is realized by using all DC inverter technology. (60 type)

## Design also corresponding to high static pressure



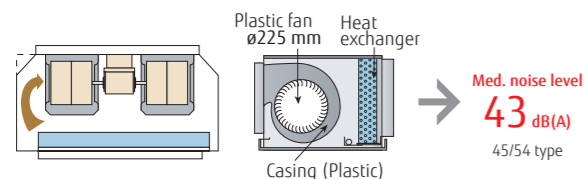
## Easy installation (Compact size & Lightweight)

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

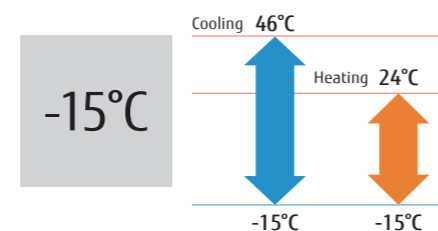


## Low noise

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



## Low ambient operation



Model : ARHG45LHTA / ARHG54LHTA / ARHG45LHTA [3phase] / ARHG54LHTA [3phase] / ARHG60LHTA [3phase]



## Specifications

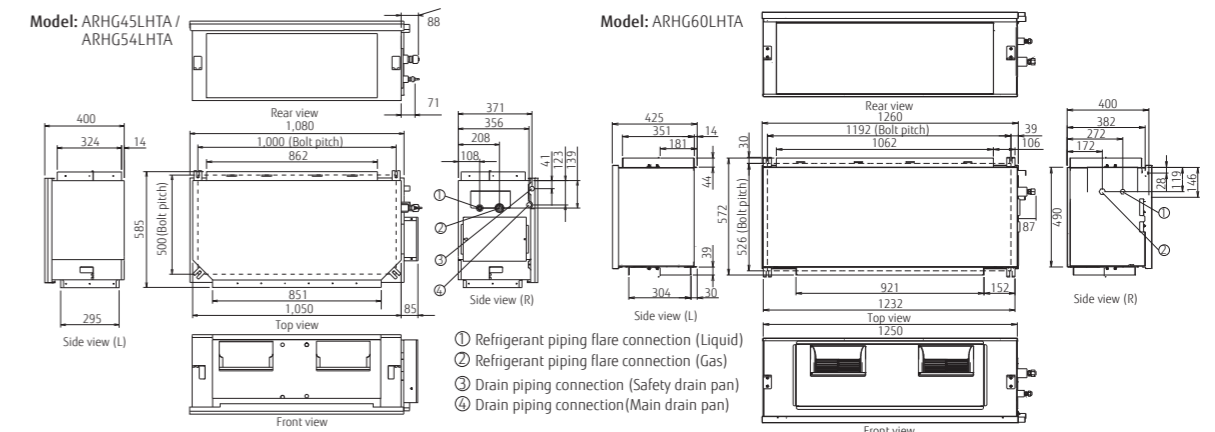
Model No.	Indoor unit		ARHG45LHTA	ARHG54LHTA	ARHG45LHTA	ARHG54LHTA	ARHG60LHTA	
	Outdoor unit		AOHG45LETL	AOHG54LETL	AOHG45LATT	AOHG54LATT	AOHG60LATT	
Power Source			Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz			
Capacity	Cooling	kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	15.0 (6.2-17.5)	
	Heating		14.0 (5.0-16.2)	16.0 (5.5-18.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)	18.0 (6.2-20.0)	
Input Power	Cooling/Heating	kW	4.30/3.80	4.77/4.69	4.06/3.67	4.65/4.37	4.70/5.15	
EER	Cooling	W/W	2.91	2.81	3.08	3.01	3.19	
COP	Heating		3.68	3.41	3.81	3.66	3.50	
Max. Operating Current	Cooling/Heating	A	22.5/22.5	23.5/23.5	11.0/11.0	12.0/12.0	12.5 /12.5	
Moisture Removal		l/h	1.5	2.0	1.5	2.5	2.0	
Sound Pressure	Indoor (Cooling)	H/M/L/Q	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-	
	Indoor (Heating)	H/M/L/Q	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-	
	Outdoor (Cooling/Heating)	High	55/55	55/57	54/54	55/56	56/58	
Airflow Rate	Indoor / Outdoor	High	m³/h	3350/6750	3350/6750	3350/6750	3350/6900	3550/6900
Static pressure range (Standard)		Pa	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	60 to 260 (60)	
		mm	400×1050×500	400×1050×500	400×1050×500	400×1050×500	425×1250×490	
Net Dimensions H x W x D	Indoor	kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	54 (119)	
		mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	
Weight	Outdoor	kg(lbs)	86 (189)	86 (189)	104 (229)	104 (229)	104 (229)	
		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Connection Pipe Diameter (Liquid / Gas)		mm	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	
Drain hose Diameter (I.D./O.D.)		mm	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)	
Max Pipe Length (Pre-Charge)		m	30	30	30	30	30	
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	3.35 (7.0)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	

## Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- Long-Life Filter: UTD-LF60KA (For ARHG45/54LHTA only)
- Remote Sensor Unit: UTY-XSZX
- IR Receiver Kit: UTY-LRHGM (For ARHG60LHTA only)
- External connect kit: UTD-ECSSA, UTY-XWZXZ3
- Wireless LAN Interface: UTY-TFNXZ1

## Dimensions

(Unit : mm)



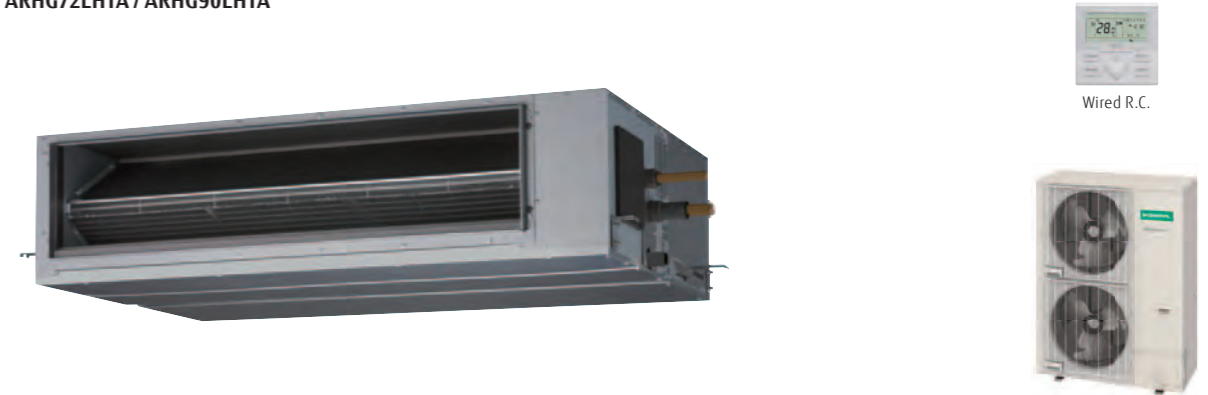
# Big Duct



ALL DC



Model : ARHG72LHTA / ARHG90LHTA



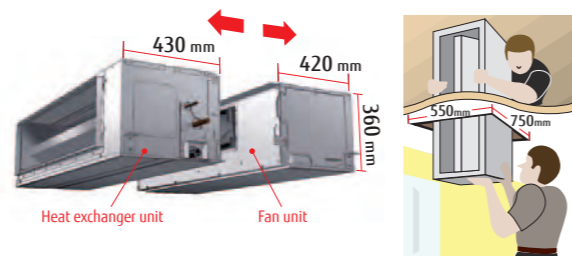
Wired R.C.

### Specifications

Model No.	Indoor unit		ARHG72LHTA		ARHG90LHTA	
	Outdoor unit		AOHG72LRLA		AOHG90LRLA	
Power Source	Indoor		Single-phase, ~230V, 50Hz			
	Outdoor		3-phase, ~400V, 50Hz			
Capacity	Cooling	kW	19.0 (8.4-20.9)		22.0 (10.3-24.2)	
	Heating		22.4 (7.2-24.6)		27.0 (8.5-29.7)	
Input Power	Cooling/Heating		6.46 / 6.59		7.77 / 8.18	
	Cooling	W/W	2.94		2.83	
EER	Heating		3.4		3.3	
COP	Indoor(Cooling/Heating)		4.6/4.6		6.0/6.0	
	Outdoor(Cooling/Heating)		13.3/13.3		14.6/14.6	
Max. Operating Current	Indoor(Cooling/Heating)		4.5		6.0	
	Outdoor(Cooling/Heating)		13.3/13.3		14.6/14.6	
Moisture Removal	Indoor (Cooling)		46/43/41/39		47/44/42/40	
	Indoor (Heating)		46/43/41/39		47/44/42/40	
Sound Pressure	Outdoor(Cooling/Heating)		High		55/55	
	Indoor / Outdoor		High		m³/h	
Airflow Rate	Indoor / Outdoor		High		m³/h	
Static pressure range (Standard)	Indoor		Pa		50 to 150 (72)	
	Outdoor		mm		360×1400×850	
Net Dimensions H x W x D	Indoor		kg (lbs)		80 (176)	
	Outdoor		mm		1428×1080×480	
Weight	Indoor		kg (lbs)		174 (383)	
	Outdoor		kg (lbs)		174 (383)	
Connection Pipe Diameter (Liquid / Gas)	Indoor		mm		12.7/25.4	
	Outdoor		mm		12.7/25.4	
Drain Hose Diameter (I.D./O.D.)	Indoor		mm		23.4/25.4	
	Outdoor		mm		23.4/25.4	
Max Pipe Length (Pre-Charge)	Indoor		m		100 (30)	
	Outdoor		m		100 (30)	
Height Difference	Indoor		m		30	
	Outdoor		m		30	
Operation Range	Cooling		°CDB		-15 to 46	
	Heating		°CDB		-15 to 46	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)		R410A (2,088)	
	Charge		kg(CO2eq-T)		7.1 (14.8)	

### Separation is possible by lightweight compact design

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



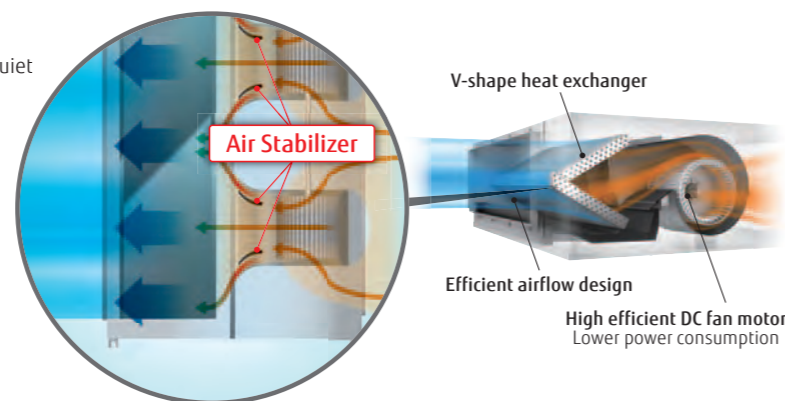
### Automatic Airflow adjustment function

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



### Quiet operation

The combination of the V-shaped heat exchanger, air stabilizer, and the high efficient DC fan motor allowed quiet operation despite of the small structural design.

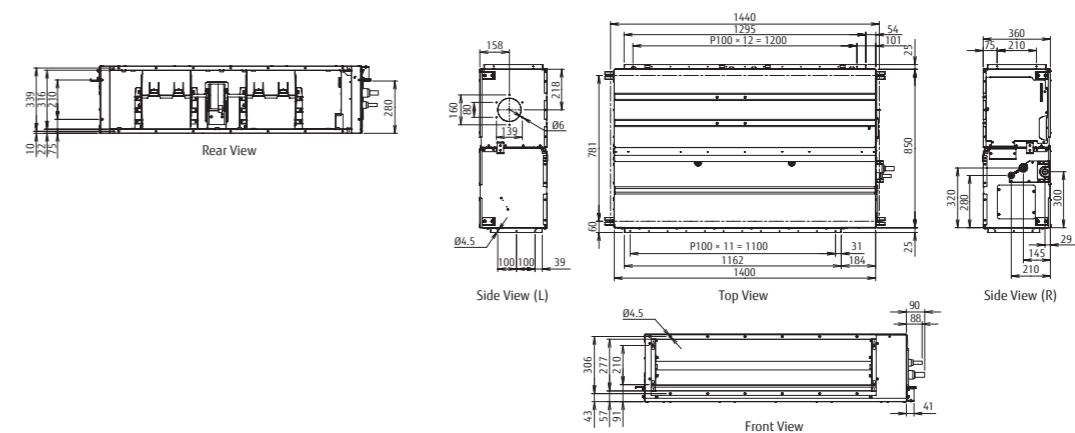


### Optional parts

- Wired Remote Controller: UTY-RNRG22, UTY-RLRY, UTY-RVNGM, UTY-RNNGM
- Simple Remote Controller: UTY-RSRG, UTY-RHRG, UTY-RSNGN
- IR Receiver Unit: UTY-LBTGM
- Remote Sensor Unit: UTY-XSZX
- External Connect Kit: UTY-XWZXZG
- External Input and Output PCB: UTY-XCSX
- Drain Pump Unit: UTZ-PX1NAB
- Long Life filter: UTD-LFKA
- Wireless LAN Interface: UTY-TFSXZ1

### Dimensions

(Unit : mm)



**PRODUCT LINEUP: SPLIT**

**Floor**

Compact & Comfort



Model: AGHG09LVCA / AGHG12LVCA / AGHG14LVCA



Wireless R.C.



For AGHG09/12LVCA

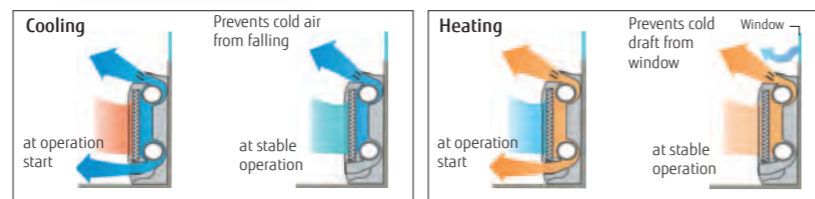
For AGHG14LVCA

**Specifications**

Model No.	Indoor unit		AGHG09LVCA	AGHG12LVCA	AGHG14LVCA
	Outdoor unit		AOHG09LVCA	AOHG12LVCA	AOHG14LVCA
Power Source	Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.6 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating	kW	3.5 (0.9-5.5)	4.5 (0.9-6.6)	5.2 (0.9-8.0)
Input Power	Cooling/Heating	kW	0.53/0.79	0.94/1.19	1.14/1.44
EER	Cooling	W/W	4.91	3.72	3.68
	Heating	W/W	4.43	3.78	3.61
Pdesign	Cooling/Heating(-10°C)	kW	2.6/2.9	3.5/3.8	4.2/4.7
SEER	Cooling	W/W	7.00	6.50	6.40
	Heating (Average)	W/W	4.20	4.00	4.00
Energy Efficiency Class	Cooling		A++	A++	A++
	Heating (Average)		A+	A+	A+
Max. Operating Current	Cooling/Heating	A	7.0/10.0	7.0/10.0	9.0/13.5
Annual Energy Consumption	Cooling	kWh/a	130	188	230
	Heating	kWh/a	967	1330	1645
Moisture Removal		l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q	40/35/29/22	40/35/29/22	43/37/29/22
	Outdoor(Cooling/Heating)	High	47/48	48/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	55/56	55/56	58/58
	Outdoor(Cooling/Heating)	High	64/65	64/65	65/66
	Indoor / Outdoor	High	570/1680	570/1680	650/1910
Net Dimensions H x W x D	Indoor	mm	600×740×200	600×740×200	600×740×200
	Outdoor	mm	540×790×290	540×790×290	578×790×300
Weight	Indoor	kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor	kg(lbs)	36 (79)	36 (79)	40 (88)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)
Max Height Difference		m	15	15	15
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	1.05 (2.2)	1.05 (2.2)	1.15 (2.4)

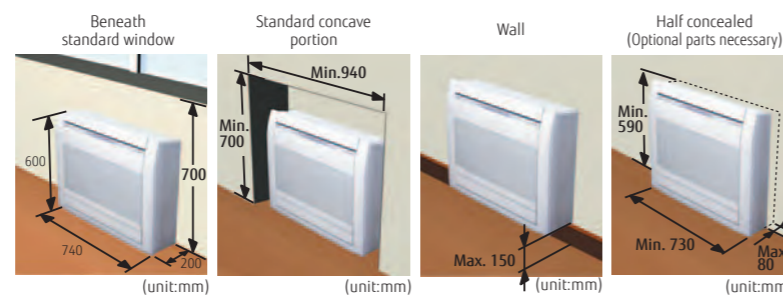
**2-Fan & Wide airflow**

Individual vertical airflow by 2-fan can control the whole room comfortably.



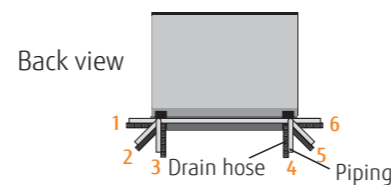
**Flexible & easy installation**

Due to compact and whole surface suction method model, floor, concealed, half concealed, or wall mounted installation can be available to match the room layout.



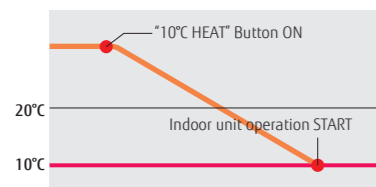
**Flexible piping connection 6 direction of drain & piping**

Drain hose and piping can be drawn flexibly in the right, left, side, and down directions

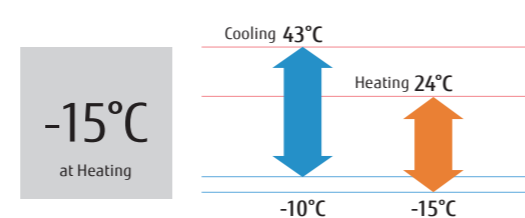


**10°C HEAT Operation**

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



**Low ambient operation**

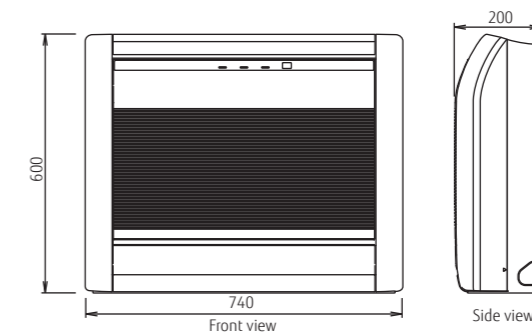


**Optional parts**

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- Half Concealed Kit: UTR-STA
- Wireless LAN Interface: UTY-TFNXZ1

**Dimensions**

(Unit : mm)



# Floor/Ceiling

Comfort & Dual Design



Model : ABHG18LVTB / ABHG24LVTA



Wireless R.C.



For ABHG18LVTB



For ABHG24LVTA

### Specifications

Model No.	Indoor unit		Outdoor unit		ABHG18LVTB	ABHG24LVTA
	AOHG18LBCB		AOHG24LBCB			
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating	kW			6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating				1.62/1.66	2.21/2.26
	Cooling				3.21	3.08
EER	Cooling				3.21	3.08
	Heating				3.61	3.54
COP	Cooling/Heating(-10°C)				5.2/5.2	6.8/6.0
	Cooling				6.10	5.60
SEER	Cooling				6.10	5.60
	Heating (Average)				4.00	3.90
SCOP	Heating (Average)				4.00	3.90
	Cooling				A++	A+
Energy Efficiency Class	Heating (Average)				A+	A
	Cooling/Heating				A	A
Max. Operating Current	Cooling/Heating				11.5/13.5	14.7/15.7
	Cooling				298	425
Annual Energy Consumption	Cooling				298	425
	Heating				1819	2153
Moisture Removal	Cooling				2.0	2.7
	Heating				2.0	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q			43/40/34/31	48/44/40/35
	Indoor (Heating)	H/M/L/Q			43/40/34/31	48/44/40/35
	Outdoor(Cooling/Heating)	High	dB(A)		50/50	53/54
Sound Power Level	Indoor(Cooling/Heating)	High			57/57	61/61
	Outdoor(Cooling/Heating)	High			62/65	66/66
	Indoor / Outdoor	High	m³/h		780/2380	980/2850
Airflow Rate	Indoor				780/2380	980/2850
	Outdoor				780/2380	980/2850
Net Dimensions	Indoor				199×990×655	199×990×655
	H x W x D				27 (59)	27 (59)
Weight	Indoor				632×799×290	716×820×315
	Outdoor				36 (79)	42 (93)
Connection Pipe Diameter (Liquid / Gas)					6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)					25/32	25/32
Max Pipe Length (Pre-Charge)					25 (15)	30 (15)
Max Height Difference					15	20
Operation Range	Cooling				-10 to 46	-10 to 46
	Heating				-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)				R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)		1.20 (2.5)	1.50 (3.1)

### Flexible installation

#### Example for floor installation

Floor console



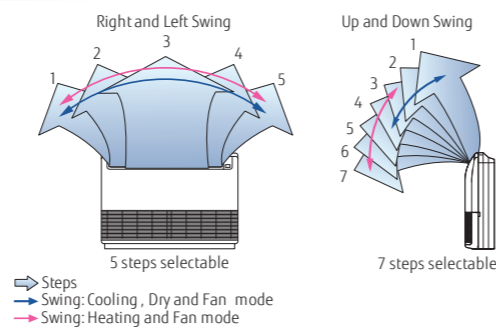
#### Example for ceiling installation

Under ceiling



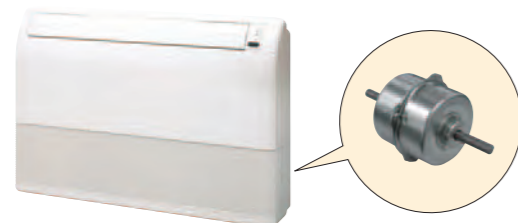
### Double auto swing

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

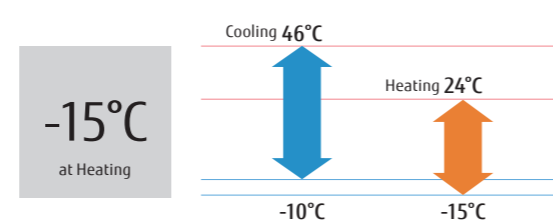


### High power DC fan motor

- High power
- Wide rotation range
- High efficiency



### Low ambient operation



### Optional parts

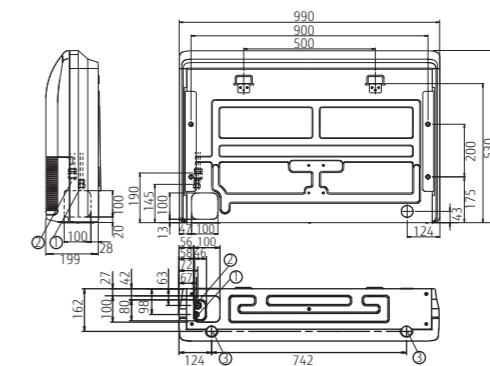
Wired Remote Controller: UTY-RNNGM, UTY-RVNGM

Simple Remote Controller: UTY-RSNGM

Wireless LAN Interface: UTY-TFNXZ1

### Dimensions

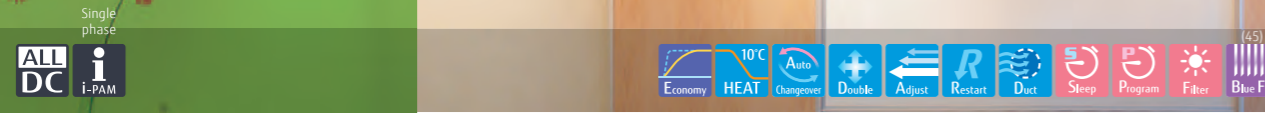
(Unit : mm)



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

# Ceiling

Comfort for Large Room



Model : ABHG30LRTE / ABHG36LRTE / ABHG45LRTA /  
ABHG36LRTA [3phase] / ABHG45LRTA [3phase] / ABHG54LRTA [3phase]



Wireless R.C.



For ABHG30/36LRTE



For ABHG45LRTA (Single-phase)



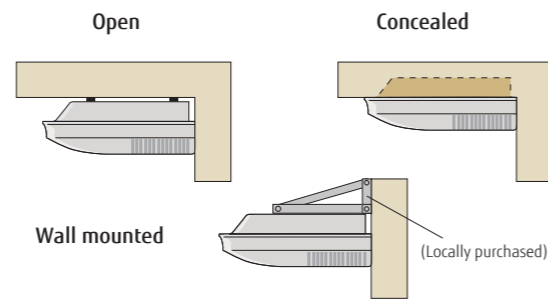
For ABHG36/45/54LRTA

## Specifications

Model No.	Indoor unit		ABHG30LRTE	ABHG36LRTE	ABHG45LRTA	ABHG45LRTA	ABHG36LRTA	ABHG45LRTA	ABHG54LRTA	
	Outdoor unit		AOHG30LETL	AOHG36LETL	AOHG45LBTC	AOHG45LETL	AOHG36LATT	AOHG45LATT	AOHG54LATT	
Power Source	Single-phase, ~230V, 50Hz						3-phase, ~400V, 50Hz			
Capacity	Cooling	kW	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.0)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	
	Heating		10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.2)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)	
Input Power	Cooling/Heating	kW	2.65/2.77	2.93/3.02	4.29/3.84	3.77/3.68	2.84/2.87	3.89/3.88	4.65/4.67	
	EER		W/W	3.21	3.21	2.82	3.21	3.52	3.21	3.01
COP	Cooling	W/W		3.61	3.71	3.46	3.61	3.90	3.61	3.43
	Heating		4.20	4.10	-	-	4.10	-	-	
Pdesign	Cooling/Heating (-10°C)	kW	8.5/8.0	9.4/8.7	-	-	10.0/10.0	-	-	
SEER	Cooling	W/W	6.10	6.00	-	-	6.10	-	-	
	Heating		4.20	4.10	-	-	4.10	-	-	
Energy Efficiency Class	Cooling	A	A++	A+	-	-	A++	-	-	
	Heating		A+	A+	-	-	A+	-	-	
Max. Operating Current	Cooling/Heating	kWh/a	17.0/17.0	18.5/20.0	23.5/23.5	21.0/21.0	7.9/7.9	8.9/8.9	9.9/9.9	
	Cooling		487	548	-	-	573	-	-	
Annual Energy Consumption	Heating	l/h	2662	2965	-	-	3414	-	-	
	Moisture Removal		2.5	3.0	4.0	4.0	3.0	4.5	5.0	
Sound Pressure Level	Indoor (Cooling)	dB(A)	H/M/L/Q	45/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Indoor (Heating)		H/M/L/Q	45/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Outdoor (Cooling/Heating)		High	53/55	54/55	58/58	55/55	51/53	54/54	55/56
Sound Power Level	Indoor (Cooling/Heating)	High	57/60	60/61	-	-	61/61	-	-	
	Outdoor (Cooling/Heating)		High	68/69	69/70	-	-	67/69	-	-
Airflow Rate	Indoor / Outdoor	High	m <sup>3</sup> /h	1660/3600	1900/3800	2100/4650	2100/6200	1900/6200	2100/6900	2300/6900
Net Dimensions H x W x D	Indoor	kg(lbs)	mm	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700
			kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	48 (106)
Weight	Outdoor	kg(lbs)	mm	830×900×330	830×900×330	914×970×370	1290×900×330	1290×900×330	1290×900×330	1290×900×330
			kg(lbs)	61 (134)	61 (134)	75 (165)	86 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain port Diameter (I.D./O.D.)			mm	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	
Max Height Difference			m	30	30	30	30	30	30	
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	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)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge			kg(CO <sub>2</sub> eq-T)	2.10 (4.4)	2.10 (4.4)	2.90 (6.1)	3.35 (7.0)	3.45 (7.2)	3.45 (7.2)

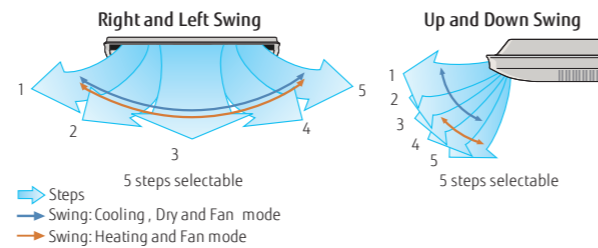
## Flexible installation

Various installations are possible to match the room layout.

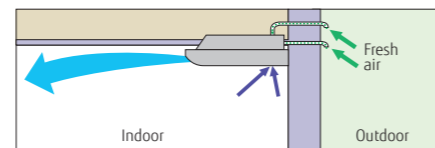


## Multi auto swing

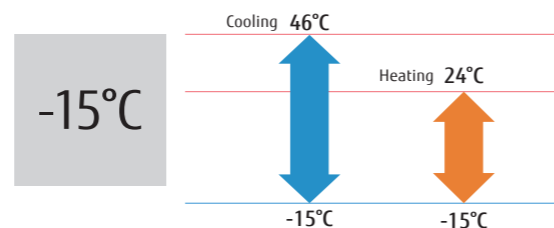
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



## Fresh air intake

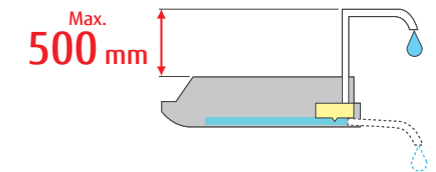


## Low ambient operation



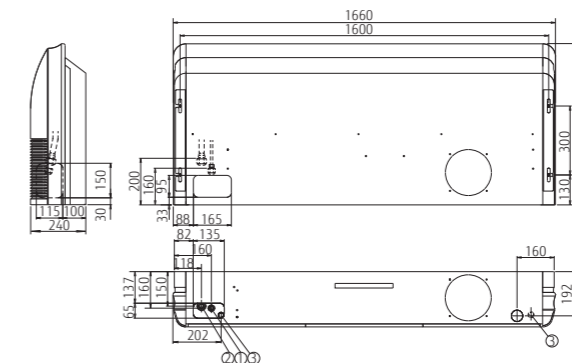
## Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- Drain Pump Unit: UTR-DPB24T
- Flange: UTD-RF204



## Dimensions

(Unit : mm)



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

PRODUCT LINEUP: MULTI SPLIT

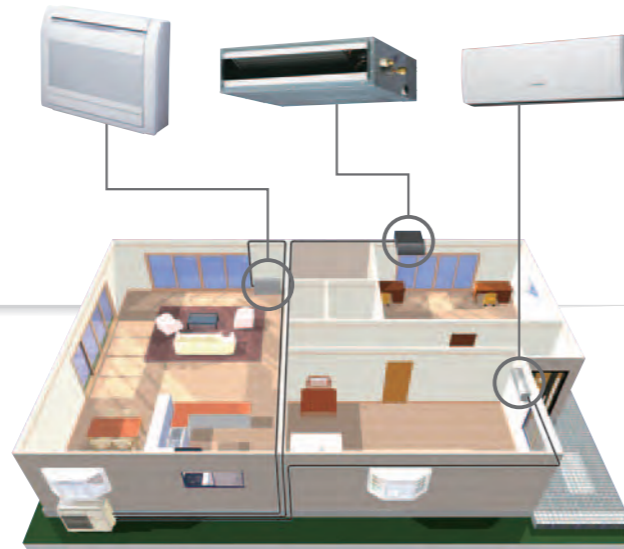
2 & 3-4 Rooms Multi



ALL DC

Wide range of indoor units with various models

7 types 26 models are lined up in the capacity range from 2 kW to 7 kW class. Wide range of needs can be met from rooms of private homes to large shops and hotels.



Space-saving installation

Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible. Compared with single type, the outdoor unit can be installed in various places to realize the space-saving installation.

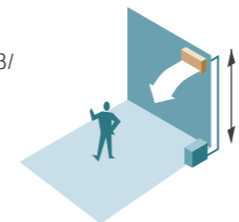
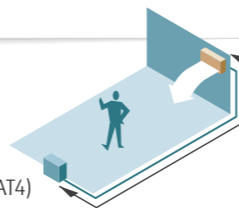
Flexible installation

Up to max. piping length of 70 m (AOHG30LAT4), max. height difference of 15 m can be supported. Multi type can be installed in large-size residence or buildings with multiple floors.

**Max. Piping Length (Each Unit):**  
 20 m (AOHG14LAC2 / 18LAC2),  
 25 m (AOHG18LAT3 / 24LAT3 / 30LAT4)

**Max. Height:**  
 15 m (AOHG14LAC2/18LAC2/18LAT3/  
 24LAT3/30LAT4)

**Total Piping Length:**  
 30 m (AOHG14LAC2 / 18LAC2),  
 50 m (AOHG18LAT3 / 24LAT3),  
 70 m (AOHG30LAT4)



2 Rooms: AOHG14LAC2 / AOHG18LAC2  
 3 Rooms: AOHG18LAT3 / AOHG24LAT3  
 4 Rooms: AOHG30LAT4



Specifications (2 ROOMS, 3 ROOMS, 4 ROOMS)

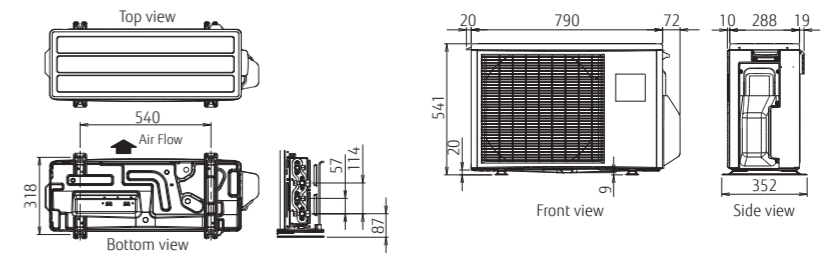
Model No.	Outdoor unit		AOHG14LAC2	AOHG18LAC2	AOHG18LAT3	AOHG24LAT3	AOHG30LAT4	
Power Source	Single-phase, ~230V, 50Hz							
Rated Capacity (min-max)	Cooling	kW	4.0 (1.4-4.4)	5.0 (1.7-5.6)	5.4 (1.8-6.8)	6.8 (1.8-8.5)	8.0 (3.5-10.1)	
	Heating		4.4 (1.1-5.4)	5.6 (1.8-6.1)	6.8 (2.0-8.0)	8.0 (2.0-8.8)	9.6 (3.7-12.0)	
EER	Cooling	W/W	3.67	3.21	4.00	3.51	3.60	
	Heating		4.27	3.97	4.20	4.00	4.00	
COP	Cooling	dB(A)	47	50	46	48	50	
	Heating		49	51	47	49	51	
Sound Pressure Level (High)	Cooling	dB(A)	61	63	65	68	68	
	Heating		63	64	67	70	70	
Sound Power Level (High)	Cooling	dB(A)	61	63	65	68	68	
	Heating		63	64	67	70	70	
Net Dimensions H × W × D			mm	540×790×290	540×790×290	700×900×330	700×900×330	830×900×330
	Weight		kg(lbs)	37 (82)	38 (84)	55 (121)	55 (121)	68 (150)
Connection Pipe Diameter	Liquid	mm	6.35×2	6.35×2	6.35×3	6.35×3	6.35×4 (*6.35×3, 9.52)	
	Gas		9.52 × 2	9.52 × 2 (*9.52, 12.7)	9.52 × 2, 12.7 (*9.52 × 3)	9.52 × 2, 12.7 (*9.52 × 3)	9.52 × 2, 12.7 × 2 (*9.52 × 3, 12.7) (*9.52 × 2, 12.7, 15.88)	
Max. Pipe Length	Total / Each		m	30 / 20	30 / 20	50 / 25	50 / 25	70 / 25
	Max. Height Difference	Between Outdoor Unit and Each Indoor Units.	m	15	15	15	15	15
Between Indoor Units.		10		10	10	10	10	
Operation Range	Cooling	°CDB	10 to 46	10 to 46	-10 to 46	-10 to 46	0 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-10 to 24	
Refrigerant	Type (Global Warming Potential)	R410A (2,088)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	kg(CO2eq-T)	1.25 (2.6)	1.30 (2.7)	2.20 (4.6)	2.20 (4.6)	3.30 (6.9)	

\* Connect to connection valve by the adapter.

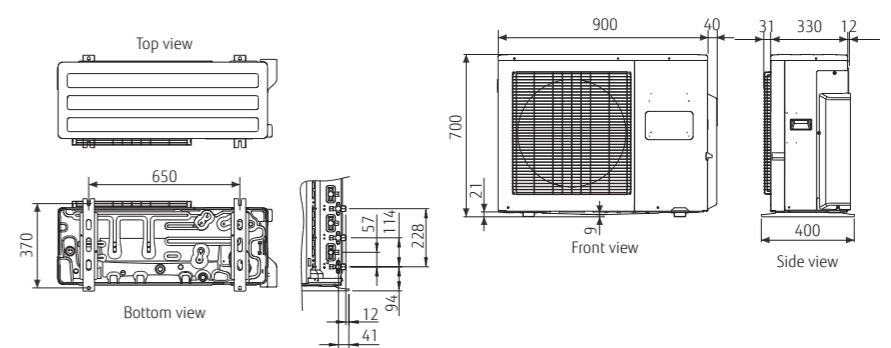
Dimensions

(Unit : mm)

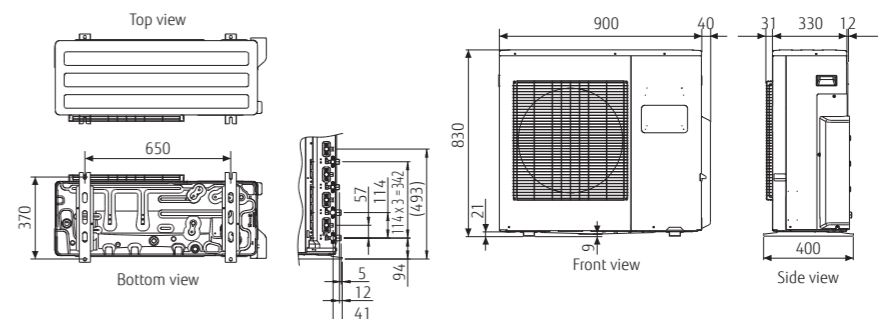
2 Rooms:  
AOHG14LAC2/AOHG18LAC2



3 Rooms:  
AOHG18LAT3/AOHG24LAT3



4 Rooms:  
AOHG30LAT4



PRODUCT LINEUP: MULTI SPLIT



5-6 Rooms  
Multi

ALL  
DC

5 Rooms: AOHG36LBA5  
6 Rooms: AOHG45LBA6

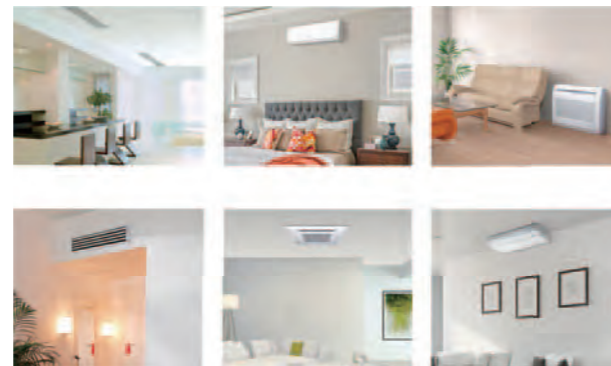


Specifications (5 ROOMS, 6 ROOMS)

Model No.	Outdoor unit		AOHG36LBA5	AOHG45LBA6
Power Source	Single-phase, ~230V, 50Hz			
Rated Capacity (min-max)	Cooling	kW	10.0 (3.5-12.5)	12.5 (3.5-14.0)
	Heating		12.0 (3.5-14.0)	13.5 (3.5-16.0)
EER	Cooling	W/W	4.10	3.50
	Heating		4.30	4.00
Sound Pressure Level (High)	Cooling	dB(A)	53	53
	Heating		55	55
Sound Power Level (High)	Cooling		67	67
	Heating		68	68
Net Dimensions H × W × D			998×970×370	998×970×370
	Weight		kg(lbs)	94 (207)
Connection Pipe Diameter	Liquid	mm	6.35×5	6.35×6
	Gas		9.52 × 3, 12.7 × 2	9.52 × 4, 12.7 × 2
Max. Pipe Length	Total / Each		80 / 25	80 / 25
Max. Height Difference	Between Outdoor Unit and Each Indoor Units.		15	15
	Between Indoor Units.		10	10
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)
	Charge		kg(CO2eq-T)	4.00 (8.4)

Wide range of indoor units with various models

6 types 26 models are lined up in the capacity range from 2 kW to 7 kW class. Wide range of needs can be met from rooms of private homes to large shops and hotels.



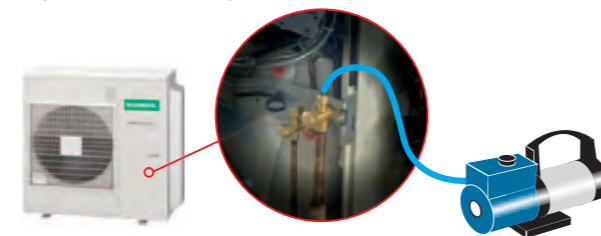
Compact design

Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible. Compared with single type, the outdoor unit can be installed in various places to realize the space-saving installation.



Easy installation

All connected pipes and indoor units can be evacuated quickly via our centralized valve method. Requires evacuation only once



Central & Individual Control

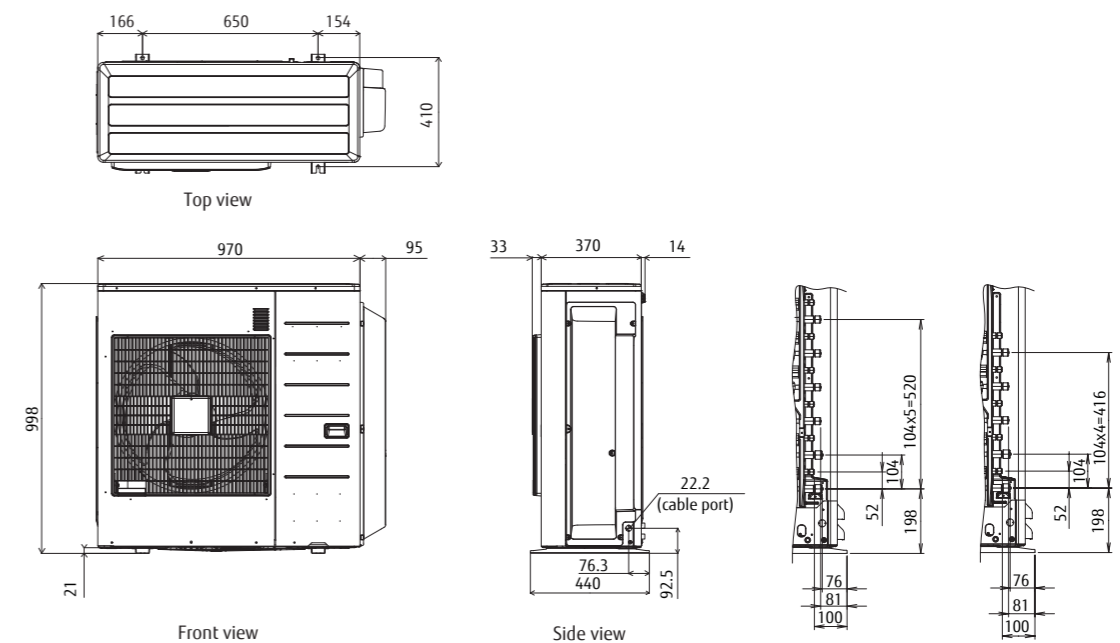
- Batched control of up to 8 indoor units. The temperature, airflow volume, and remote control prohibition settings of all indoor units can be batched.
- Corresponds to 9 different languages (English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)
- Large backlight LED screen
- Large easy-to-see operation panel

Max. Controllable  
**1** multi system  
Max. Controllable  
**6** indoor units



Dimensions

(Unit : mm)





# 8 Rooms Multi



## 8 Rooms: AOHG45LBT8

Branch Box: UTP-PY03A / UTP-PY02A



### Specifications

Model Name		AOHG45LBT8	
Maximum Connectable Indoor Unit		8	
Indoor Unit Connectable Capacity		Cooling	11.0 - 17.5 kW
Power source		Single-phase, ~230V, 50Hz	
Rated Capacity	Cooling	kW	14.0
	Heating	kW	16.0
Input Power	Cooling	kW	5.20
	Heating	kW	5.07
Airflow rate	Cooling	m <sup>3</sup> /h	4,650
	Heating	m <sup>3</sup> /h	4,800
Sound Pressure Level	Cooling	dB(A)	56
	Heating	dB(A)	58
Heat Exchanger Fin		Plate fin coil	
Net Dimensions H × W × D		mm	914×970×370
Weight		kg(lbs)	98 (217)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88
Max Pipe Length		m	115 (Total)
Max Height Difference (O.U ~ I.U)		m	30
Operating Range	Cooling	°CDB	-5 to 46
	Heating	°CDB	-15 to 24
Refrigerant	Type (Global Warming Potential)	R410A (2,088)	
	Charge	kg(CO2eq-T)	3.45 (7.2)

Model Name		UTP-PY03A		UTP-PY02A	
Connectable Indoor Unit		1 to 3 Units		1 to 2 Units	
Power source		Single-phase, ~230V, 50Hz		Single-phase, ~230V, 50Hz	
Available Voltage Range		198-264V		198-264V	
Power Consumption		W	10	10	
Running Current		A	0.05	0.05	
Net Dimensions H × W × D		mm	195×433×370	195×433×370	
Weight		kg(lbs)	9 (20)	9 (20)	
Connection pipe diameter	Liquid	°CDB	Main: 9.52×1, Branch:6.35×3	Main: 9.52×1, Branch:6.35×2	
	Gas	°CDB	Main: 15.88×1, Branch:12.7×3	Main: 15.88×1, Branch:12.7×2	
Method		Flare		Flare	

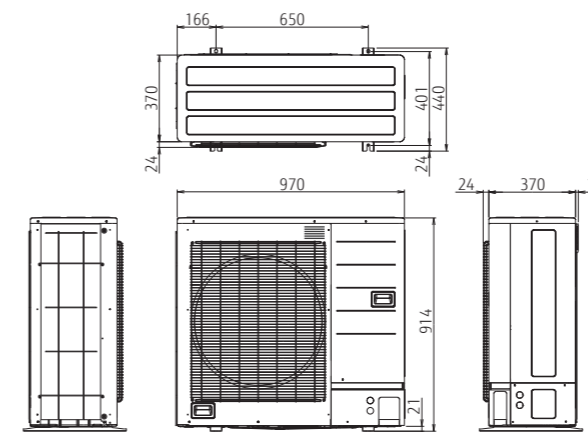
Note: Specifications are based on the following conditions.

- In case of connecting two indoor units (7 kW class).
- These are the measured values in the manufacturer's anechoic chamber.
- Cooling: Indoor temp. of 27°CDB/19°CWB, outdoor temp. of 35°CDB/24°CWB Heating: Indoor temp. of 20°CDB/15°CWB, outdoor temp. of 7°CDB/6°CWB  
Pipe length: 5 m (Outdoor unit - Branch box), 3 m (Branch box - Indoor unit) Height difference : 0 m

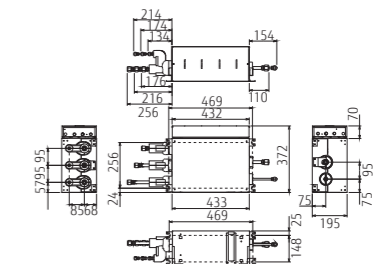
### Dimensions

(Unit : mm)

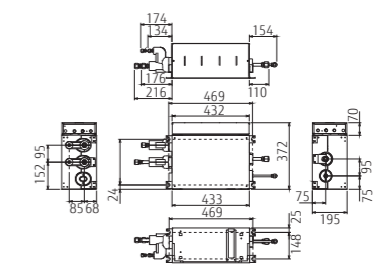
Outdoor Unit: AOHG45LBT8



Branch Box : UTP-PY03A (3 branches type)



Branch Box : UTP-PY02A (2 branches type)



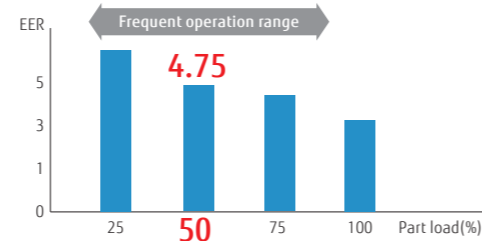
### Compact outdoor unit

The compact design outdoor unit allows to be installed below a window and in a narrow space.



### High seasonal efficiency

The actual performance is conducted under various outside temperatures depending on weather and seasons, furthermore, especially for multi system, not all the rooms are operated all the time. So over 90% of actual operation time, air conditioners are operated at partial capacity instead of rated capacity. Considering these, we focused on energy-saving performance which is based on actual use. Efficiency of part load performance was drastically improved by developing ALL DC and our own inverter system.



### Innovated technology

**High efficiency large fan:**  
New high efficiency fan is mounted.

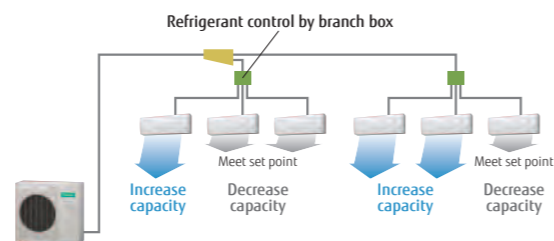
**DC fan motor:**  
High performance and high efficiency has been realized by using a small DC fan motor.

**Heat exchanger:**  
Reduced compact size and energy saving has been realized by utilizing high density piping design and 3-Row heat exchanger.

**High efficiency DC twin rotary compressor:**  
A high performance, low noise, large capacity DC twin rotary compressor is used.

### Quick comfort by optimized refrigerant control

Every room meets the set point most quickly and comfortably by optimized refrigerant control.



PRODUCT LINEUP: MULTI SPLIT

# Simultaneous Multi Twin/Triple

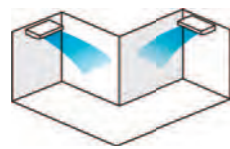


ALL DC

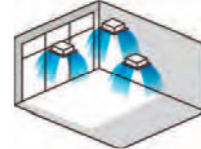
Can support various installation scenes from office to commercial space by same place multi connection of up to 3 units.

Indoor units distributed layout according to the shape and number of people and lighting conditions of the room. Ideal comfortable air flow distribution can be realized.

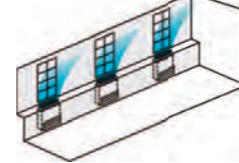
Installation according to floor layout



Installation according to lighting conditions

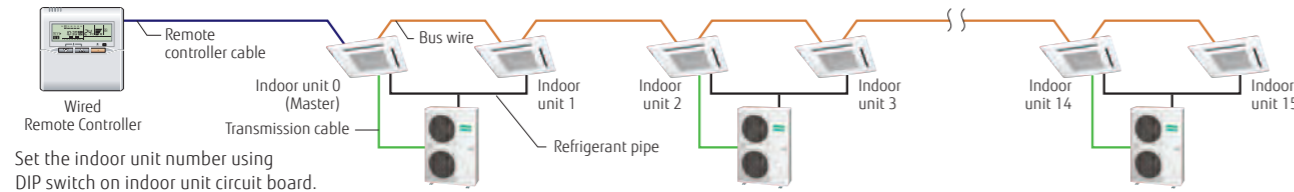


Installation according to layout and lighting conditions



## Simultaneous control

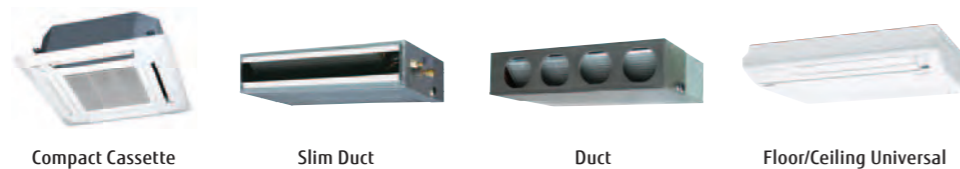
Max 16 indoor units are simultaneously controlled with a wired remote controller.



Set the indoor unit number using DIP switch on indoor unit circuit board.

## Indoor unit lineup

3 types 9 models indoor units are provided, so you can select them depending on your room size and conditions.



Model : AOHG36LBTB / AOHG45LBTB / AOHG54LBTB  
AOHG36LATT [3phase] / AOHG45LATT [3phase] / AOHG54LATT [3phase]



## Specifications

Model No.	Indoor unit		Compact Cassette			
			AUHG18LVLB	AUHG22LVLA	AUHG24LVLA	
Power Source	Single-phase, ~230V, 50Hz					
Airflow Rate (High)	Cooling	H/M/L/Q	m <sup>3</sup> /h	680/580/490/410	930/830/600/450	930/830/600/450
Net Dimension H x W x D			mm	245x570x570	245x570x570	245x570x570
Weight			kg(lbs)	15 (33)	16 (35)	16 (35)
Cassette Grille				UTG-UFGD-W	UTG-UFGD-W	UTG-UFGD-W

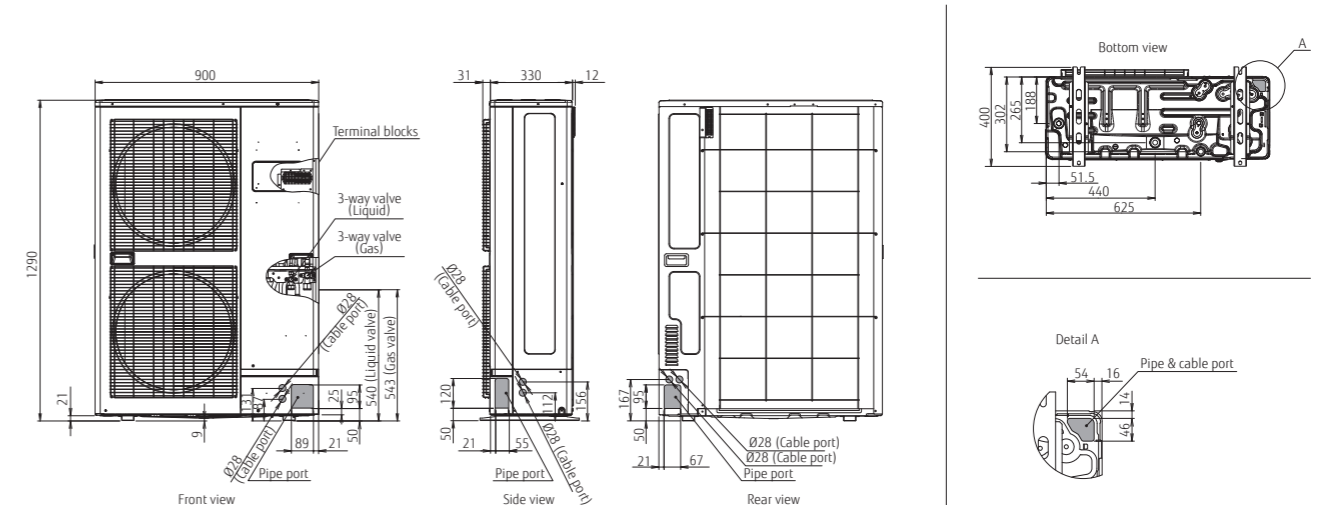
Model No.	Indoor unit		Duct			Floor/Ceiling Universal			
			ARHG18LLTB	ARHG22LMLA	ARHG24LMLA	ABHG18LVTB	ABHG22LVTB	ABHG24LVTB	
Power Source	Single-phase, ~230V, 50Hz						Single-phase, ~230V, 50Hz		
Airflow Rate (High)	Cooling	H/M/L/Q	m <sup>3</sup> /h	940/880/820/750	1100/910/750/580	780/700/560/500	980/820/680/540		
Net Dimension H x W x D			mm	198 x 900 x 620	270 x 1135 x 700	199 x 990 x 655	199 x 990 x 655		
Weight			kg(lbs)	38 (84)	38 (84)	27 (60)	27 (60)		

Model No.	Outdoor unit		AOHG36LBTB	AOHG45LBTB	AOHG54LBTB	AOHG36LATT	AOHG45LATT	AOHG54LATT
			Capacity	Cooling	kW	10.0	12.1	13.3
	Heating	kW	11.2	14.0	15.0	11.2	14.0	16.0
Power Source	Single-phase, ~230V, 50Hz					3-phase, ~400V, 50Hz		
Pdesign	Cooling	kW	10.0	-	-	10.0	-	-
	Heating (-10°C)	kW	10.0	-	-	10.0	-	-
SEER	Cooling	W/W	5.56	-	-	6.00	-	-
SCOP	Heating	W/W	3.90	-	-	4.00	-	-
Annual Energy Consumption	Cooling	kWh/a	629	-	-	583	-	-
	Heating	kWh/a	3588	-	-	3499	-	-
Energy Efficiency Class	Cooling		A	-	-	A+	-	-
	Heating		A	-	-	A+	-	-
Sound Pressure Level (High)	Cooling	dB(A)	52	54	55	51	54	55
Sound Power Level (High)	Heating	dB(A)	69	70	72	69	69	71
Net Dimension H x W x D			mm	1290x900x330	1290x900x330	1290x900x330	1290x900x330	1290x900x330
Weight			kg(lbs)	93(205)	93(205)	93(205)	104 (229)	104 (229)
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	75(30)	75(30)	75(30)	75(30)	75(30)
Height Difference			m	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	kg(CO2eq-T)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)	3.45 (7.2)
Separation tube			UTP-SX236A(Twin)	UTP-SX254A(Twin)	UTP-SX254A(Twin)/UTP-SX354A(Triple)	UTP-SX236A (Twin)	UTP-SX254A (Twin)	UTP-SX254A (Twin) / UTP-SX354A (Triple)

\*Different type and capacity indoor units can not be connected.  
\*The above table is the value for connecting with cassette type.

## Dimensions

(Unit : mm)



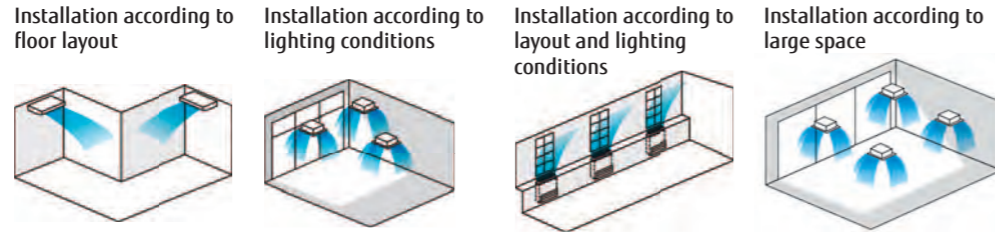
PRODUCT LINEUP: MULTI SPLIT

Simultaneous Multi Twin/Triple/Double Twin



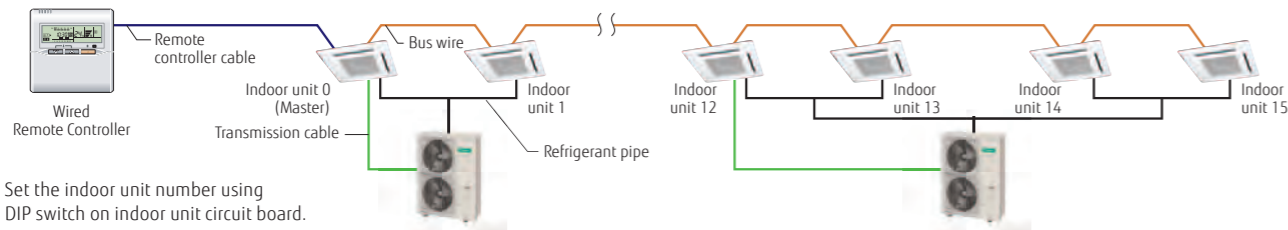
Can support various applications from large open plan offices to retail stores with up to 4 indoor units.

Indoor units distributed layout according to the shape and number of people and lighting conditions of the room even on wide floors. Ideal comfortable air flow distribution can be realized.



Simultaneous control

Max 16 indoor units are simultaneously controlled with a wired remote controller.



Set the indoor unit number using DIP switch on indoor unit circuit board.

\*When using a wireless remote controller, the following functions cannot be used: Timer operation, Sleep Timer operation, 10°C Heat operation

Indoor unit lineup

5 types 18 models indoor units are provided, so you can select them depending on your room size and conditions.



Model: AOHG72LRLA [3phase] / AOHG90LRLA [3phase]



Specifications

Model No.	Indoor unit	Compact Cassette, Cassette					
		AUHG18LVLB	AUHG22LVLA	AUHG24LVLA	AUHG30LRLE	AUHG36LRLE	AUHG45LRLA
Power Source		Single-phase, ~230V, 50Hz					
Airflow Rate (Cooling)	H/M/L/Q m <sup>3</sup> /h	680/580/490/410	930/830/600/450	930/830/600/450	1600/1400/1270/1150	1800/1400/1270/1150	1900/1640/1460/1250
Net Dimension H x W x D	mm	245x570x570	245x570x570	245x570x570	288 x 840 x 840	288 x 840 x 840	288 x 840 x 840
Weight	kg(lbs)	15 (33)	16 (35)	16 (35)	26 (57)	26 (57)	26 (57)
Cassette Grille		UTG-UGFD-W			UTG-UGGA-W		

Model No.	Indoor unit	Duct					
		ARHG18LLTB	ARHG22LMLA	ARHG24LMLA	ARHG30LMLE	ARHG36LMLE	ARHG45LMLA
Power Source		Single-phase, ~230V, 50Hz					
Airflow Rate (Cooling)	H/M/L/Q m <sup>3</sup> /h	940/880/820/750	1100/910/750/580	1100/910/750/580	1900/1620/1270/980	1900/1620/1270/980	2100/1750/1350/1070
Net Dimension H x W x D	mm	198 x 900 x 620	270 x 1135 x 700	270 x 1135 x 700	270 x 1135 x 700	270 x 1135 x 700	270 x 1135 x 700
Weight	kg(lbs)	23 (51)	38 (84)	38 (84)	40 (88)	40 (88)	40 (88)

Model No.	Indoor unit	Floor/Ceiling, Ceiling					
		ABHG18LVTB	ABHG22LVTA	ABHG24LVTA	ABHG30LRTE	ABHG36LRTE	ABHG45LRTA
Power Source		Single-phase, ~230V, 50Hz					
Airflow Rate (Cooling)	H/M/L/Q m <sup>3</sup> /h	780/700/560/500	980/820/680/540	980/820/680/540	1660/1500/1200/1000	1900/1500/1200/1000	2100/1700/1400/1100
Net Dimension H x W x D	mm	199 x 990 x 655	199 x 990 x 655	199 x 990 x 655	240 x 1660 x 700	240 x 1660 x 700	240 x 1660 x 700
Weight	kg(lbs)	27 (60)	27 (60)	27 (60)	46 (101)	46 (101)	46 (101)

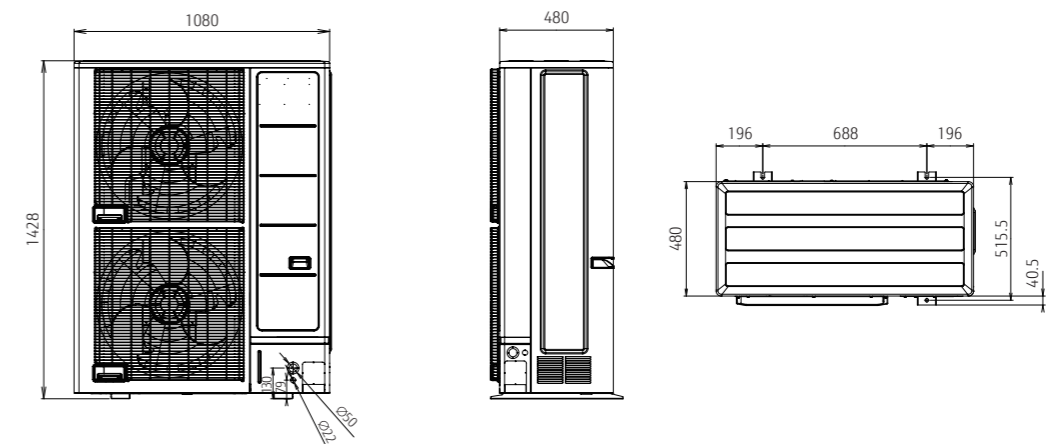
Model No.	Outdoor unit		AOHG72LRLA		AOHG90LRLA	
	Cooling	Heating	kW		kW	
Capacity			19.0		22.0	
			22.4		27.0	
Power Source		3-phase, ~400V, 50Hz				
Sound Pressure Level (High)	Cooling	dB(A)	55		55	
Net Dimension H x W x D		mm	1428x1080x480		1428x1080x480	
Weight		kg(lbs)	163 (359)		172 (378)	
Connection Pipe Diameter (Liquid / Gas)		mm	12.7/25.4		12.7/25.4	
Max Pipe Length (Pre-Charge)		m	100 (30)		100 (30)	
Height Difference			30		30	
Operation Range	Cooling	°CDB	-15 to 46		-15 to 46	
	Heating		-20 to 24		-20 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)		R410A (2,088)	
	Charge	kg(CO2eq-T)	5.6 (11.7)		7.1 (14.8)	

\*: That specification is not fixed yet.

• Different type and capacity indoor units can not be connected.  
• The above table is the value for connecting with cassette type.

Dimensions

(Unit : mm)



# Connectable Indoor Units — Indoor Unit Lineup —

MULTI SPLIT Outdoor Unit	Type		2 Rooms		3 Rooms		4 Rooms	5 Rooms	6 Rooms	8 Rooms
	Model name		AOHG14LAC2	AOHG18LAC2	AOHG18LAT3	AOHG24LAT3	AOHG30LAT4	AOHG36LBA5	AOHG45LBA6	AOHG45LBT8
Capacity (kW)	Cooling	4.0	5.0	5.4	6.8	8.0	10.0	12.5	14.0	
	Heating	4.4	5.6	6.8	8.0	9.6	12.0	13.5	16.0	

Indoor Unit	BTU	kW Class								
 ASHG07/09/12/14LMCA	7000	2.0	●	●	●	●	●	●	●	●
	9000	2.5	●	●	●	●	●	●	●	●
 ASHG07/09/12/14LUCA	12000	3.5	●	●	●	●	●	●	●	●
	14000	4.0	—	●	●	●	●	●	●	●
 ASHG18/24LF	18000	5.0	—	—	—	●	●	●	●	●
	24000	7.0	—	—	—	—	●	—	●	●
 AGHG09/12/14LV	9000	2.5	—	●	●	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●	●	●
 AUHG07/09/12/14/18LV	7000	2.0	—	●	●	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●	●	●
 ABHG14/18LV	14000	4.0	—	—	●	●	●	●	●	●
	18000	5.0	—	—	—	●	●	●	●	●
 ARHG07/09/12/14/18LSLAP	7000	2.0	—	●	●	●	●	●	—	—
	9000	2.5	—	●	●	●	●	●	—	—
	12000	3.5	—	●	●	●	●	●	—	—
	14000	4.0	—	—	●	●	●	●	—	—
 ARHG07/09/12/14/18LL	18000	5.0	—	—	—	●	●	●	●	—
	7000	2.0	—	●	●	●	●	●	●	●
	9000	2.5	—	●	●	●	●	●	●	●
	12000	3.5	—	●	●	●	●	●	●	●
	14000	4.0	—	—	●	●	●	●	●	●
18000	5.0	—	—	—	●	●	●	●	●	

SIMULTANEOUS MULTI Outdoor Unit	Type		4HP		5HP		6HP		8HP	10HP
	Model name		AOHG36LBTB	AOHG36LATT	AOHG45LBTB	AOHG45LATT	AOHG54LBTB	AOHG54LATT	AOHG72LRLA	AOHG90LRLA
Capacity (kW)	Cooling	10.0		12.1	12.5	13.3	14.0	10.0		12.5
	Heating	11.2		14.0	14.0	15.0	16.0	12.0		13.5

Indoor Unit	BTU	kW Class	Twin				Triple	Twin	Triple	Double Twin	Twin	Triple	Double Twin	
 AUHG18/22/24LV	18000	5.0	● ×2	—	—	—	● ×3	—	—	● ×4	—	—	—	
	22000	6.5	—	● ×2	—	—	—	—	—	—	—	—	● ×4	
	24000	7.0	—	—	—	● ×2	—	—	—	● ×3	—	—	—	
 AUHG30/36/45LR	30000	8.8	—	—	—	—	—	—	—	—	—	—	● ×3	
	36000	10.6	—	—	—	—	● ×2	—	—	—	—	—	—	
	45000	12.5	—	—	—	—	—	—	—	—	—	● ×2	—	
 ARHG22/24/30/36/45LM	18000	5.0	● ×2	—	—	—	● ×3	—	—	● ×4	—	—	—	
	22000	6.5	—	● ×2	—	—	—	—	—	—	—	—	● ×4	
	24000	7.0	—	—	—	● ×2	—	—	—	● ×3	—	—	—	
	30000	8.8	—	—	—	—	—	—	—	—	—	—	● ×3	
 ABHG18/22/24LV	36000	10.6	—	—	—	—	—	● ×2	—	—	—	—	—	
	45000	12.5	—	—	—	—	—	—	—	—	—	—	● ×2	
	18000	5.0	● ×2	—	—	—	● ×3	—	—	● ×4	—	—	—	
	22000	6.5	—	● ×2	—	—	—	—	—	—	—	—	● ×4	
 ABHG30/36/45LR	24000	7.0	—	—	—	● ×2	—	—	—	● ×3	—	—	—	
	30000	8.8	—	—	—	—	—	—	—	—	—	—	● ×3	
	36000	10.6	—	—	—	—	—	—	—	—	—	—	—	
Separation tube	45000	12.5	—	—	—	—	—	—	—	—	—	—	● ×2	
			UTP-SX236A ×1		UTP-SX254A ×1		UTP-SX254 ×1	UTP-SX354A ×1	UTP-SX272A ×1	UTP-SX372A ×1	UTP-SX272A ×1, UTP-SX236A ×2	UTP-SX272A ×1	UTP-SX372A ×1	UTP-SX272A ×1, UTP-SX254A ×2

# MULTI SPLIT Indoor Units Specifications

## Compact wall mounted



Model No.	Indoor unit			ASHG07LUCA	ASHG09LUCA	ASHG12LUCA	ASHG14LUCA
kW Class	kW			2.0	2.5	3.5	4.0
Power Source	Single-phase, ~230V, 50Hz						
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	35/30/28/21	36/32/28/21	37/34/31/21	41/36/33/25
	Heating			35/30/28/21	36/32/28/21	37/34/31/21	41/36/34/27
Sound Power Level	Cooling	H	dB(A)	53	54	55	59
	Heating			53	54	55	59
Airflow Rate	Cooling	H/M/L/Q	m³/h	570/520/470/330	600/550/470/330	660/600/530/330	710/640/570/390
	Heating			570/520/470/330	600/550/470/330	660/600/530/330	710/640/590/430
Net Dimensions				mm 282×870×185	282×870×185	282×870×185	282×870×185
Weight				kg(lbs) 9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
Connection Pipe Diameter	Liquid/Gas	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7

## Wall mounted



Model No.	Indoor unit			ASHG18LFCA	ASHG24LFCC
kW Class	kW			5.0	7.0
Power Source	Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	43/37/33/26	49/42/37/33
	Heating			42/37/33/25	48/42/37/33
Sound Power Level	Cooling	H	dB(A)	58	64
	Heating			58	64
Airflow Rate	Cooling	H/M/L/Q	m³/h	900/740/620/550	1120/900/740/620
	Heating			900/740/620/550	1100/900/740/620
Net Dimensions				mm 320×998×238	320×998×238
Weight				kg(lbs) 14 (30.8)	14 (30.8)
Connection Pipe Diameter	Liquid/Gas	mm		6.35/12.7	Ø6.35/Ø15.88

## Compact wall mounted



Model No.	Indoor unit			ASHG07LMCA	ASHG09LMCA	ASHG12LMCA	ASHG14LMCA
kW Class	kW			2.0	2.5	3.5	4.0
Power Source	Single-phase, ~230V, 50Hz						
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/32/29/21	37/33/29/21	40/36/30/21	42/38/33/25
	Heating			36/32/29/22	37/33/29/22	40/36/31/22	42/38/35/27
Sound Power Level	Cooling	H	dB(A)	51	52	54	56
	Heating			51	52	55	57
Airflow Rate	Cooling	H/M/L/Q	m³/h	560/500/430/310	600/520/430/310	660/560/450/310	730/600/530/360
	Heating			560/500/430/330	600/520/430/330	660/560/470/330	730/615/560/375
Net Dimensions				mm 268×840×203	268×840×203	268×840×203	268×840×203
Weight				kg(lbs) 8.5 (19)	8.5 (19)	8.5 (19)	8.5 (19)
Connection Pipe Diameter	Liquid/Gas	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7

## Floor



Model No.	Indoor unit			AGHG09LVCA	AGHG12LVCA	AGHG14LVCA
kW Class	kW			2.5	3.5	4.0
Power Source	Single-phase, ~230V, 50Hz					
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	39/34/28/22	42/36/30/22	44/38/31/22
	Heating			39/35/30/22	42/38/32/22	44/39/33/22
Sound Power Level	Cooling	H	dB(A)	52	55	56
	Heating			52	55	56
Airflow Rate	Cooling	H/M/L/Q	m³/h	530/440/360/270	600/490/380/270	650/520/400/270
	Heating			530/460/380/270	600/510/410/270	650/540/430/270
Net Dimensions				mm 600×740×200	600×740×200	600×740×200
Weight				kg(lbs) 14 (30.7)	14 (30.7)	14 (30.7)
Connection Pipe Diameter	Liquid/Gas	mm		6.35/9.52	6.35/9.52	6.35/12.7

## Floor ceiling



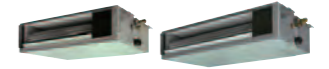
Model No.	Indoor unit			ABHG14LVTA	ABHG18LVTB
kW Class	kW			4.0	5.0
Power Source	Single-phase, ~230V, 50Hz				
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
	Heating			36/34/33/29 (Under ceiling) 39/37/36/32 (Floor console)	41/38/34/32 (Under ceiling) 44/41/37/35 (Floor console)
Sound Power Level	Cooling	H	dB(A)	51	55
	Heating			51	55
Airflow Rate	Cooling	H/M/L/Q	m³/h	640/590/540/480	780/700/560/500
	Heating			640/590/540/480	780/700/560/500
Net Dimensions				mm 199×990×655	199×990×655
Weight				kg(lbs) 27 (60)	27 (60)
Connection Pipe Diameter	Liquid/Gas	mm		6.35/12.7	6.35/12.7

## Compact cassette



Model No.	Indoor unit			AUHG07LVLA	AUHG09LVLA	AUHG12LVLB	AUHG14LVLB	AUHG18LVLB
kW Class	kW			2.0	2.5	3.5	4.0	5.0
Power Source	Single-phase, ~230V, 50Hz							
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	33/31/29/27	33/31/29/27	37/33/31/28	40/35/32/29	42/37/33/29
	Heating			34/32/29/27	34/32/29/27	37/33/31/28	40/37/34/29	44/40/37/30
Sound Power Level	Cooling	H	dB(A)	46	46	49	52	54
	Heating			47	47	49	52	56
Airflow Rate	Cooling	H/M/L/Q	m³/h	540/490/440/390	540/490/440/390	610/530/470/410	680/580/490/410	750/610/520/410
	Heating			540/490/440/390	540/490/440/390	610/530/470/410	700/620/550/430	800/710/600/450
Net Dimensions				mm 245×570×570	245×570×570	245×570×570	245×570×570	245×570×570
Weight				kg(lbs) 15(33.1)	15(33.1)	15(33.1)	15(33.1)	15(33.1)
Panel				UTG-UFGD-W				
Connection Pipe Diameter	Liquid/Gas	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7

## Mini duct



Model No.	Indoor unit			ARHG07LSLAP	ARHG09LSLAP	ARHG12LSLAP	ARHG14LSLAP	ARHG18LSLAP
kW Class	kW			2.0	2.5	3.5	4.0	5.0
Power Source	Single-phase, ~230V, 50Hz							
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
	Heating			29/26/24/23	29/26/24/23	31/27/25/23	35/30/27/23	33/29/26/23
Sound Power Level	Cooling	H	dB(A)	52	54	55	60	58
	Heating			53	56	57	62	59
Airflow Rate	Cooling	H/M/L/Q	m³/h	550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360	940/750/540/480
	Heating			550/440/390/360	600/450/400/360	650/490/430/360	800/640/530/360	940/750/540/480
Net Dimensions				mm 198×700×450	198×700×450	198×700×450	198×700×450	198×900×450
Weight				kg(lbs) 15.5 (34.1)	15.5 (34.1)	15.5 (34.1)	18.5 (40.7)	18.5 (40.7)
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
External static pressure				Pa 0 to 30		0 to 50		0 to 50
Drain pump	Standard							

## Slim duct



Model No.	Indoor unit			ARHG07LLTA	ARHG09LLTA	ARHG12LLTB	ARHG14LLTB	ARHG18LLTB
kW Class	kW			2.0	2.5	3.5	4.0	5.0
Power Source	Single-phase, ~230V, 50Hz							
Sound Pressure Level	Cooling	H/M/L/Q	dB(A)	28/26/25/24	28/27/26/25	29/28/27/26	32/30/28/26	32/31/30/29
	Heating			28/26/25/24	28/26/25/24	29/28/27/26	33/30/28/25	33/32/31/29
Sound Power Level	Cooling	H	dB(A)	57	57	58	60	58
	Heating			57	57	58	61	59
Airflow Rate	Cooling	H/M/L/Q	m³/h	550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750
	Heating			550/490/470/440	600/550/500/450	650/600/550/480	800/700/600/480	940/880/820/750
Net Dimensions				mm 198×700×620	198×700×620	198×700×620	198×700×620	198×900×620
Weight				kg(lbs) 17 (37.5)	19 (41.8)	19 (41.8)	23 (50.6)	23 (50.6)
Connection Pipe Diameter	Liquid/Gas	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7
External static pressure				Pa 0 to 90				
Drain pump	Standard							

MULTI SPLIT Combination Table for 2 & 3 Rooms–Cooling/Heating

2 Rooms Multi cooling

Table with columns: AOHG14LAC2, Combination of Indoor Unit, Cooling Capacity (Room 1, Room 2, Total Capacity), Input Power, EER, Seasonal Data (Pdesign, SEER, Energy efficiency class).

- Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

Table with columns: AOHG18LAC2, Combination of Indoor Unit, Cooling Capacity (Room 1, Room 2, Total Capacity), Input Power, EER, Seasonal Data (Pdesign, SEER, Energy efficiency class).

- Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 24000Btu from 14000Btu.
•Where "14" means "wall mounted type" only models. Other types of indoor units can not be connected.

3 Rooms Multi cooling

Table with columns: AOHG18LAT3, Combination of Indoor Unit, Cooling Capacity (Room 1, Room 2, Room 3, Total Capacity), Input Power, EER, Seasonal Data (Pdesign, SEER, Energy efficiency class).

Table with columns: AOHG24LAT3, Combination of Indoor Unit, Cooling Capacity (Room 1, Room 2, Room 3, Total Capacity), Input Power, EER, Seasonal Data (Pdesign, SEER, Energy efficiency class).

- Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The total ability of connectable indoor units is up to 36000Btu from 14000Btu.
\*1: When ASHG18L is connected, connect at least 1 wall mounted type of 9000Btu.

2 Rooms Multi heating

Table with columns: AOHG14LAC2, Combination of Indoor Unit, Heating Capacity (Room 1, Room 2, Total Capacity), Input Power, EER, Seasonal Data (Pdesign, SEER, Energy efficiency class).

- Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 21000Btu from 14000Btu.

Table with columns: AOHG18LAC2, Combination of Indoor Unit, Heating Capacity (Room 1, Room 2, Total Capacity), Input Power, EER, Seasonal Data (Pdesign, SEER, Energy efficiency class).

- Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The Total ability of connected indoor unit is up to 24000Btu from 14000Btu.
•Where "14" means "wall mounted type" only models. Other types of indoor units can not be connected.

3 Rooms Multi heating

Table with columns: AOHG18LAT3, Combination of Indoor Unit, Heating Capacity (Room 1, Room 2, Room 3, Total Capacity), Input Power, EER, Seasonal Data (Pdesign, SEER, Energy efficiency class).

Table with columns: AOHG24LAT3, Combination of Indoor Unit, Heating Capacity (Room 1, Room 2, Room 3, Total Capacity), Input Power, EER, Seasonal Data (Pdesign, SEER, Energy efficiency class).

- Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h models
•The above is the value for connecting with Wall Mounted type.
•2 or more indoor units should be connected.
•Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).
•Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)
•The total ability of connected indoor unit is up to 36000Btu from 14000Btu.
\*1: When ASHG18L is connected, connect at least 1 wall mounted type for 9000Btu.



# MULTI SPLIT Combination Table for 5 Rooms-Cooling

## 5 Rooms Multi cooling

AOHG36LBLAS	Combination of Indoor Unit					COOLING OPERATION							Seasonal Data			
						Cooling Capacity					Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
						Room 1	Room 2	Room 3	Room 4	Room 5						Total Capacity (min-max)
	7	24	-	-	-	2.00	7.00	-	-	-	9.0 (3.5-11.1)	2.31 (0.8-3.29)	3.89	9.0	6.5	A++

Note: \*7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models  
 •The above is the value for connecting with Wall Mounted type.  
 •2 or more indoor units should be connected.  
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).  
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)  
 •The Total ability of connected indoor unit is up to 54000Btu from 27000Btu.

## 5 Rooms Multi cooling

AOHG36LBLAS	Combination of Indoor Unit					COOLING OPERATION							Seasonal Data			
						Cooling Capacity					Input Power (min-max)	EER	Pdesign	SEER	Energy efficiency class	
						Room 1	Room 2	Room 3	Room 4	Room 5						Total Capacity (min-max)
	7	7	7	7	7	2.00	2.00	2.00	2.00	2.00	10.0 (3.5-12.5)	2.44 (0.8-3.88)	4.10	10.0	7.0	A++

Note: \*7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models  
 •The above is the value for connecting with Wall Mounted type.  
 •2 or more indoor units should be connected.  
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).  
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)  
 •The Total ability of connected indoor unit is up to 54000Btu from 27000Btu.



# MULTI SPLIT Combination Table for 5 Rooms-Heating

## 5 Rooms Multi heating

AOHG36LBLAS	Combination of Indoor Unit					HEATING OPERATION							Seasonal Data			
						Heating Capacity					Total Capacity (min-max)	Input Power (min-max)	COP	Pdesign	SCOP	Energy efficiency class
						Room 1	Room 2	Room 3	Room 4	Room 5						
2 Room	7	24	-	-	-	2.40	8.40	-	-	-	10.8 (3.5-12.4)	2.97 (0.7-3.34)	3.64	8.9	3.9	A
	9	24	-	-	-	3.00	8.40	-	-	-	11.4 (3.5-13.2)	3.15 (0.7-3.58)	3.62	9.0	3.9	A+
	12	24	-	-	-	4.00	8.00	-	-	-	12.0 (3.5-14.0)	3.34 (0.7-3.82)	3.59	9.0	4.0	A+
	14	24	-	-	-	4.62	8.00	-	-	-	12.0 (3.5-14.0)	3.33 (0.7-3.82)	3.60	9.0	4.0	A+
	18	18	-	-	-	6.00	6.00	-	-	-	12.0 (3.5-14.0)	3.34 (0.7-3.82)	3.59	9.0	4.0	A+
	18	24	-	-	-	5.14	6.86	-	-	-	12.0 (3.5-14.0)	3.32 (0.7-3.82)	3.61	9.0	4.0	A+
	24	24	-	-	-	6.00	6.00	-	-	-	12.0 (3.5-14.0)	3.31 (0.7-3.82)	3.62	9.0	4.0	A+
	7	7	14	-	-	2.40	2.40	4.80	-	-	9.6 (3.5-11.2)	2.45 (0.7-2.98)	3.92	8.8	4.0	A+
	7	7	18	-	-	2.40	2.40	6.00	-	-	10.8 (3.5-12.8)	2.80 (0.7-3.46)	3.86	9.0	4.0	A+
	7	7	24	-	-	2.21	2.21	7.58	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+
	7	9	12	-	-	2.40	3.00	4.20	-	-	9.6 (3.5-11.2)	2.45 (0.7-2.98)	3.92	8.8	4.0	A+
	7	9	14	-	-	2.40	3.00	4.80	-	-	10.2 (3.5-12.0)	2.63 (0.7-3.22)	3.88	8.9	4.0	A+
	7	9	18	-	-	2.40	3.00	6.00	-	-	11.4 (3.5-13.6)	2.97 (0.7-3.70)	3.84	9.0	4.0	A+
	7	9	24	-	-	2.10	2.70	7.20	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	7	12	12	-	-	2.40	4.20	4.20	-	-	10.8 (3.5-12.4)	2.79 (0.7-3.34)	3.87	8.9	4.0	A+
	7	12	14	-	-	2.40	4.20	4.80	-	-	11.4 (3.5-13.2)	2.96 (0.7-3.58)	3.85	9.0	4.0	A+
	7	12	18	-	-	2.27	3.89	5.84	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+
	7	12	24	-	-	1.95	3.35	6.70	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	7	14	14	-	-	2.40	4.80	4.80	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+
	7	14	18	-	-	2.15	4.31	5.54	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	7	14	24	-	-	1.87	3.73	6.40	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	7	18	18	-	-	1.96	5.02	5.02	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	7	18	24	-	-	1.71	4.41	5.88	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	9	9	9	-	-	3.00	3.00	3.00	-	-	9.0 (3.5-10.8)	2.29 (0.7-2.86)	3.93	8.8	4.0	A+
9	9	12	-	-	3.00	3.00	4.20	-	-	10.2 (3.5-12.0)	2.63 (0.7-3.22)	3.88	8.9	4.0	A+	
9	9	14	-	-	3.00	3.00	4.80	-	-	10.8 (3.5-12.8)	2.80 (0.7-3.46)	3.86	9.0	4.0	A+	
9	9	18	-	-	3.00	3.00	6.00	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+	
9	9	24	-	-	2.57	2.57	6.86	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+	
3 Room	9	12	12	-	-	3.00	4.20	4.20	-	-	11.4 (3.5-13.2)	2.96 (0.7-3.58)	3.85	9.0	4.0	A+
	9	12	14	-	-	3.00	4.20	4.80	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+
	9	12	18	-	-	2.77	3.69	5.54	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	9	12	24	-	-	2.40	3.20	6.40	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	9	14	14	-	-	2.92	4.54	4.54	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+
	9	14	18	-	-	2.63	4.10	5.27	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	9	14	24	-	-	2.30	3.57	6.13	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	9	18	18	-	-	2.40	4.80	4.80	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	9	18	24	-	-	2.12	4.24	5.64	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+
	12	12	12	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+
	12	12	14	-	-	3.79	3.79	4.42	-	-	12.0 (3.5-14.0)	3.14 (0.7-3.82)	3.82	9.0	4.0	A+
	12	12	18	-	-	3.43	3.43	5.14	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	12	12	24	-	-	3.00	3.00	6.00	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	12	14	14	-	-	3.60	4.20	4.20	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	12	14	18	-	-	3.27	3.82	4.91	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	12	14	24	-	-	2.88	3.36	5.76	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	12	18	18	-	-	3.00	4.50	4.50	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	12	18	24	-	-	2.67	4.00	5.33	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+
	14	14	14	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.83	9.0	4.0	A+
	14	14	18	-	-	3.65	3.65	4.70	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	14	14	24	-	-	3.23	3.23	5.54	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+
	14	18	18	-	-	3.36	4.32	4.32	-	-	12.0 (3.5-14.0)	3.13 (0.7-3.82)	3.84	9.0	4.0	A+
	18	18	18	-	-	4.00	4.00	4.00	-	-	12.0 (3.5-14.0)	3.12 (0.7-3.82)	3.85	9.0	4.0	A+
	4 Room	7	7	7	7	-	2.40	2.40	2.40	2.40	-	9.6 (3.5-11.2)	2.31 (0.7-2.98)	4.16	8.8	4.2
7		7	7	9	-	2.40	2.40	2.40	3.00	-	10.2 (3.5-12.0)	2.47 (0.7-3.22)	4.13	8.9	4.2	A+
7		7	7	12	-	2.40	2.40	2.40	4.20	-	11.4 (3.5-13.2)	2.79 (0.7-3.58)	4.09	9.0	4.2	A+
7		7	7	14	-	2.40	2.40	2.40	4.80	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+
7		7	7	18	-	2.15	2.15	2.15	5.55	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+
7		7	7	24	-	1.87	1.87	3.99	4.80	-	12.0 (3.5-14.0)	2.63 (0.7-3.22)	4.10	9.0	4.2	A+
7		7	9	9	-	2.40	2.40	3.00	3.00	-	10.8 (3.5-12.8)	2.64 (0.7-3.46)	4.09	9.0	4.2	A+
7		7	9	12	-	2.40	2.40	3.00	4.20	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+
7		7	9	14	-	2.27	2.27	2.92	4.54	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+
7		7	9	18	-	2.05	2.05	2.63	5.27	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+
7		7	9	24	-	1.79	1.79	2.30	6.12	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+
7		7	12	12	-	2.21	2.21	3.79	3.79	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+
7		7	12	14	-	2.10	2.10	3.60	4.20	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+
7		7	12	18	-	1.91	1.91	3.27	4.91	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+
7		7	12	24	-	1.68	1.68	2.88	5.76	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+
7		7	14	14	-	2.00	2.00	4.00	4.00	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+
7		7	14	18	-	1.83	1.83	3.65	4.69	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+
7		7	14	24	-	1.62	1.62	3.23	5.53	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+
7		7	18	18	-	1.68	1.68	4.32	4.32	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+
9		9	9	9	-	2.40	3.00	3.00	3.00	-	11.4 (3.5-13.6)	2.80 (0.7-3.70)	4.07	9.0	4.2	A+
9		9	9	12	-	2.27	2.92	2.92	3.89	-	12.0 (3.5-14.0)	2.95 (0.7-3.82)	4.07	9.0	4.2	A+
9		9	9	14	-	2.15	2.77	2.77	4.31	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+
9		9	9	18	-	1.95	2.51	2.51	5.03	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+
9		9	9	24	-	1.71	2.20	2.20	5.89	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+
9	9	12	12	-	2.10	2.70	3.60	3.60	-	12.0 (3.5-14.0)	2.94 (0.7-3.82)	4.08	9.0	4.2	A+	
9	9	12	14	-	2.00	2.57	3.43	4.00	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+	
9	9	12	18	-	1.83	2.35	3.13	4.69	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.10	9.0	4.2	A+	
9	9	12	24	-	1.62	2.08	2.77	5.53	-	12.0 (3.5-14.0)	2.92 (0.7-3.82)	4.11	9.0	4.2	A+	
9	9	14	14	-	1.91	2.45	3.82	3.82	-	12.0 (3.5-14.0)	2.93 (0.7-3.82)	4.09	9.0	4.2	A+	



# MULTI SPLIT Combination Table for 6 Rooms–Cooling/Heating

## 6 Rooms Multi cooling

AOHG45LBLE6	Combination of Indoor Unit							COOLING OPERATION									
								Cooling Capacity						Input Power (min-max)	EER		
								Room 1	Room 2	Room 3	Room 4	Room 5	Room 6			Total Capacity (min-max)	
							kW	kW	kW	kW	kW	kW	kW	kW	kW		
	7	7	7	7	7	7	7	2.00	2.00	2.00	2.00	2.00	2.00	2.00	12.0 (3.5-13.4)	3.32 (0.8-4.46)	3.61
	7	7	7	7	7	9	9	2.00	2.00	2.00	2.00	2.00	2.50	2.00	12.5 (3.5-14.0)	3.57 (0.8-4.84)	3.50
	7	7	7	7	7	12	12	1.86	1.86	1.86	1.86	1.86	3.20	3.20	12.5 (3.5-14.0)	3.55 (0.8-4.84)	3.52
	7	7	7	7	14	14	1.79	1.79	1.79	1.79	1.79	3.55	3.55	12.5 (3.5-14.0)	3.54 (0.8-4.84)	3.53	
	7	7	7	7	18	18	1.65	1.65	1.65	1.65	1.65	4.25	4.25	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56	
	7	7	7	7	24	24	1.48	1.48	1.48	1.48	1.48	5.10	5.10	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59	
	7	7	7	9	9	9	9	1.90	1.90	1.90	2.45	2.45	2.45	12.5 (3.5-14.0)	3.56 (0.8-4.84)	3.51	
	7	7	7	9	12	12	1.79	1.79	1.79	2.29	3.05	3.05	3.05	12.5 (3.5-14.0)	3.54 (0.8-4.84)	3.53	
	7	7	7	9	14	14	1.72	1.72	1.72	2.20	3.42	3.42	3.42	12.5 (3.5-14.0)	3.53 (0.8-4.84)	3.54	
	7	7	7	9	18	18	1.59	1.59	1.59	2.05	4.09	4.09	4.09	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57	
	7	7	7	9	24	24	1.43	1.43	1.43	1.85	4.93	4.93	4.93	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	
	7	7	7	12	12	1.68	1.68	1.68	1.68	2.89	2.89	2.89	2.89	12.5 (3.5-14.0)	3.52 (0.8-4.84)	3.55	
	7	7	7	12	14	1.62	1.62	1.62	1.62	2.78	3.24	3.24	3.24	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56	
	7	7	7	12	18	1.51	1.51	1.51	1.51	2.59	3.87	3.87	3.87	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59	
	7	7	7	14	14	1.56	1.56	1.56	1.56	3.13	3.13	3.13	3.13	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57	
	7	7	7	14	18	1.46	1.46	1.46	1.46	2.92	3.74	3.74	3.74	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	
	7	7	7	9	9	1.82	1.82	1.82	2.34	2.34	2.34	2.34	2.34	12.5 (3.5-14.0)	3.55 (0.8-4.84)	3.52	
	7	7	7	9	12	1.72	1.72	1.72	2.21	2.21	2.92	2.92	2.92	12.5 (3.5-14.0)	3.53 (0.8-4.84)	3.54	
	7	7	7	9	14	1.65	1.65	1.65	2.12	2.12	3.31	3.31	3.31	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56	
	7	7	7	9	18	1.54	1.54	1.54	1.97	1.97	3.94	3.94	3.94	12.5 (3.5-14.0)	3.49 (0.8-4.84)	3.58	
	7	7	7	9	12	1.62	1.62	1.62	2.08	2.78	2.78	2.78	2.78	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56	
	7	7	7	9	12	1.56	1.56	1.56	2.01	2.68	3.13	3.13	3.13	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57	
	7	7	7	9	12	1.46	1.46	1.46	1.88	2.50	3.74	3.74	3.74	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	
	7	7	7	9	14	1.51	1.51	1.51	1.93	3.02	3.02	3.02	3.02	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59	
	7	7	7	12	12	1.54	1.54	1.54	2.63	2.63	2.63	2.63	2.63	12.5 (3.5-14.0)	3.49 (0.8-4.84)	3.58	
	7	7	7	12	14	1.48	1.48	1.48	2.54	2.54	2.54	2.54	2.54	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59	
	7	7	7	12	14	1.43	1.43	1.43	2.47	2.87	2.87	2.87	2.87	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	
	7	7	9	9	9	1.75	1.75	2.25	2.25	2.25	2.25	2.25	2.25	12.5 (3.5-14.0)	3.53 (0.8-4.84)	3.54	
	7	7	9	9	12	1.65	1.65	2.12	2.12	2.12	2.84	2.84	2.84	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56	
	7	7	9	9	14	1.59	1.59	2.05	2.05	2.05	3.17	3.17	3.17	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57	
	7	7	9	9	18	1.48	1.48	1.91	1.91	1.91	3.81	3.81	3.81	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59	
	7	7	9	12	12	1.56	1.56	2.01	2.01	2.68	2.68	2.68	2.68	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57	
	7	7	9	12	14	1.51	1.51	1.94	1.94	1.94	3.01	3.01	3.01	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59	
	7	7	9	12	18	1.41	1.41	1.81	1.81	2.42	3.64	3.64	3.64	12.5 (3.5-14.0)	3.46 (0.8-4.84)	3.61	
	7	7	9	14	14	1.46	1.46	1.88	1.88	2.91	2.91	2.91	2.91	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	
	7	7	9	12	12	1.48	1.48	1.92	2.54	2.54	2.54	2.54	2.54	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59	
	7	7	9	12	14	1.43	1.43	1.85	2.46	2.46	2.87	2.87	2.87	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	
	7	7	12	12	12	1.41	1.41	2.42	2.42	2.42	2.42	2.42	2.42	12.5 (3.5-14.0)	3.46 (0.8-4.84)	3.61	
	7	9	9	9	9	1.70	2.16	2.16	2.16	2.16	2.16	2.16	2.16	12.5 (3.5-14.0)	3.52 (0.8-4.84)	3.55	
	7	9	9	9	12	1.59	2.05	2.05	2.05	2.05	2.71	2.71	2.71	12.5 (3.5-14.0)	3.50 (0.8-4.84)	3.57	
	7	9	9	9	14	1.54	1.97	1.97	1.97	3.08	3.08	3.08	3.08	12.5 (3.5-14.0)	3.49 (0.8-4.84)	3.58	
	7	9	9	12	14	1.51	1.94	1.94	1.94	2.59	3.01	3.01	3.01	12.5 (3.5-14.0)	3.48 (0.8-4.84)	3.59	
	7	9	9	12	18	1.46	1.88	1.88	1.88	2.50	2.90	2.90	2.90	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	
	7	9	9	12	12	1.44	1.84	2.46	2.46	2.46	2.46	2.46	2.46	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	
	9	9	9	9	9	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	12.5 (3.5-14.0)	3.51 (0.8-4.84)	3.56	
	9	9	9	9	12	1.97	1.97	1.97	1.97	1.97	2.65	2.65	2.65	12.5 (3.5-14.0)	3.49 (0.8-4.84)	3.58	
	9	9	9	12	12	1.88	1.88	1.88	1.88	2.49	2.49	2.49	2.49	12.5 (3.5-14.0)	3.47 (0.8-4.84)	3.60	

Note: •7:7000Btu/h / 9:9000Btu/h / 12:12000Btu/h / 14:14000Btu/h / 18:18000Btu/h / 24:24000Btu/h models  
 •The above is the value for connecting with Wall Mounted type.  
 •2 or more indoor units should be connected.  
 •Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).  
 •Pipe Length: 5 m, Height difference: 0 m (Outdoor unit to Indoor unit)  
 •The Total ability of connected indoor unit is up to 62000Btu from 34000Btu.

## 6 Rooms Multi heating

AOHG45LBLE6	Combination of Indoor Unit							HEATING OPERATION									
								Heating Capacity						Input Power (min-max)	COP		
								Room 1	Room 2	Room 3	Room 4	Room 5	Room 6			Total Capacity (min-max)	
							kW	kW	kW	kW	kW	kW	kW	kW	kW		
	12	24	-	-	-	-	4.07	8.13	-	-	-	-	-	-	12.2 (3.5-13.1)	3.41 (0.7-3.54)	3.58
	14	24	-	-	-	-	4.61	7.89	-	-	-	-	-	-	12.5 (3.5-13.8)	3.56 (0.7-3.76)	3.51
	18	18	-	-	-	-	6.10	6.10	-	-	-	-	-	-	12.2 (3.5-13.1)	3.41 (0.7-3.54)	3.58
	18	24	-	-	-	-	5.66	7.54	-	-	-	-	-	-	13.2 (3.5-15.3)	3.78 (0.7-4.20)	3.49
	24	24	-	-	-	-	6.75	6.75	-	-	-	-	-	-	13.5 (3.5-16.0)	3.89 (0.7-4.41)	3.47
	7	7	24	-	-	-	2.30	2.30	7.90	-	-	-	-	-	12.5 (3.5-13.8)	3.43 (0.7-3.76)	3.64
	7	9	18	-	-	-	2.35	3.02	6.03	-	-	-	-	-	11.4 (3.5-12.4)	2.98 (0.7-3.33)	3.83
	7	9	24	-	-	-	2.24	2.88	7.68	-	-	-	-	-	12.8 (3.5-14.5)	3.54 (0.7-3.98)	3.62
	7	12	18	-	-	-	2.33	3.99	5.98	-	-	-	-	-	12.3 (3.5-13.5)	3.35 (0.7-3.65)	3.67
	7	12	24	-	-	-	2.17	3.71	7.42	-	-	-	-	-	13.3 (3.5-15.6)	3.69 (0.7-4.30)	3.60
	7	14	14	-	-	-	2.40	4.80	4.80	-	-	-	-	-	12.0 (3.5-12.7)	3.15 (0.7-3.44)	3.81
	7	14	18	-	-	-	2.28	4.56	5.86	-	-	-	-	-	12.7 (3.5-14.2)	3.49 (0.7-3.87)	3.64
	7	14	24	-	-	-	2.10	4.20	7.20	-	-	-	-	-	13.5 (3.5-16.0)	3.75 (0.7-4.41)	3.60
	7	18	18	-	-	-	2.16	5.57	5.57	-	-	-	-	-	13.3 (3.5-15.6)	3.69 (0.7-4.30)	3.60
	7	18	24	-	-	-	1.93	4.96	6.61	-	-	-	-	-	13.5 (3.5-16.0)	3.74 (0.7-4.41)	3.61
	7	24	24	-	-	-	1.72	5.89	5.89	-	-	-	-	-	13.5 (3.5-16.0)	3.72 (0.7-4.41)	3.63
	9	9	18	-	-	-	3.05	3.05	6.10	-	-	-	-	-	12.2 (3.5-13.1)	3.28 (0.7-3.54)	3.72
	9	9	24	-	-	-	2.83	2.83	7.54	-	-	-	-	-	13.2 (3.5-15.3)	3.64 (0.7-4.20)	3.63
	9	12	14	-	-	-	3.09	4.11	4.80	-	-	-	-	-	12.0 (3.5-12.7)	3.15 (0.7-3.44)	3.81
	9	12	18	-	-	-	2.93	3.91	5.86	-	-	-	-	-	12.7 (3.5-14.2)	3.49 (0.7-3.87)	3.64
	9	12	24	-	-	-	2.70	3.60	7.20	-	-	-	-	-	13.5 (3.5-16.0)	3.75 (0.7-4.41)	3.60
	9	14	14	-	-	-	3.00	4.65	4.65	-	-	-	-	-	12.3 (3.5-13.5)	3.35 (0.7-3.65)	3.67
	9	14	18	-	-	-	2.85	4.44	5.71	-	-	-	-	-	13.0 (3.5-14.9)	3.59 (0.7-4.09)	3.62
	9	14	24	-	-	-	2.59	4.02	6.89	-	-	-	-	-	13.5 (3.5-16.0)	3.74 (0.7-4.41)	3.61
	9	18	18	-	-	-	2.70	5.40	5.40	-	-	-	-	-	13.5 (3.5-16.0)	3.75 (0.7-4.41)	3.60
	9	18	24	-	-	-	2.38	4.76	6.36	-	-	-	-	-	13.5 (3.5-16.0)	3.73 (0.7-4.41)	3.62
	9	24	24	-	-	-	2.14	5.68	5.68	-	-	-	-	-	13.5 (3.5-16.0)	3.71 (0.7-4.41)	3.64
	12	12	12	-	-	-	4.07	4.07	4.07	-	-	-	-	-	12.2 (3.5-13.1)	3.28 (0.7-3.54)	3.72
	12	12	14	-	-	-	3.94	3.95	4.6								


































































































































































































































































































































# Feature Summary

Type	Wall Mounted										Cassette			Duct						Floor	Floor/Ceiling	Ceiling	
	Series	Flagship Range	Designer Range	Standard Range	ECO Range	Designer Range		Standard Range		ECO Range	Compact 4-way Flow	Circular Flow	4-way Flow	Mini (With drain pump)	Slim (With drain pump)	Medium Static Pressure		High Static Pressure	Big				
Model No.																							
Model No.	ASHG 09/12 KXCA	ASHG 07/09/12/14 KGTA	ASHG 07/09/12/14 KMTA	ASHG 18/24 KLCA	ASHG 09/12 LTCA	ASHG 07/09/12/14 LUCA	ASHG 07/09/12/14 LMCA	ASHG 18/30 LFCA, ASHG24 LFCC	ASHG 30/36 LMTA	ASHG 07/09/12 LLCC	AUHG 07/09/12/14/18 LVLB, AUHG 22/24LVLA	AUXG 18/24/30/36/45/54 LRLB	AUHG 30/36LRLE, AUHG 36/45/54 LRLA	ARHG 07/09/12/14/18 LSLAP	ARHG 07/09/12/14/18 LLTB	ARHG 12/14/18/24/30/36/45/54 LHTBP	ARHG 22/24/36/45LMLA, ARHG 30/36LMLE	ARHG 45/54/60 LHTA	ARHG 72/90 LHTA	AGHG 09/12/14 LVCA	ABHG 14/18LVTB, ABHG 22/24LVTA	ABHG 30/36 LRTE, ABHG 36/45/54 LRTA	
																							
Energy Saving Function	 Dual side fans																						
	 Save human sensor																						
	 Save & Stop human sensor																						
	 Economy mode																						
	 Room temperature set point limitation																						
	 Set temperature auto return																						
Comfortable Function	 Powerful heating																						
	 Power diffuser																						
	 Server room operation																						
	 Powerful mode																						
	 10°C HEAT operation																						
	 Low noise mode																						
	 Auto-changeover																						
	 Up/down swing flaps																						
	 Double swing automatic																						
	 Automatic fan speed																						
	 Auto restart																						
	 Connectable fresh air duct																						
	 Fresh air intake																						
	 Connectable distributing duct																						
 Individual airflow direction control																							
Convenient Function	 Auto off timer																						
	 Sleep timer	