

# INVERTER

# COMPACT CASSETTE

Model : AUAG12LVLB / AUAG18LVLB / AUAG24LVLA



Grille is an option



Wireless R.C.

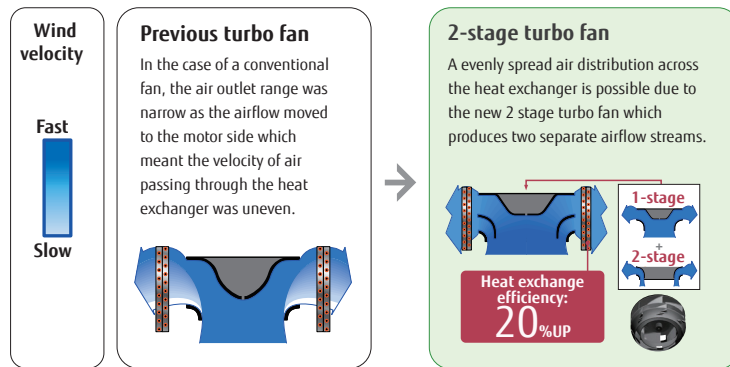


AOAG12LBLA  
AOAG18LBLA  
AOAG24LALA



## 2-stage turbo fan

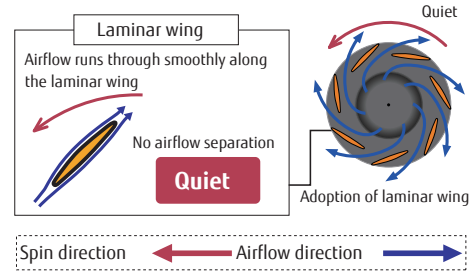
High efficiency design by 2 stage structure



## Quiet quality

Optimization of wing form (laminar wing type) and wing number (7 blades each)

Designed by CFD-analysis (fluid) simulations



## Specifications

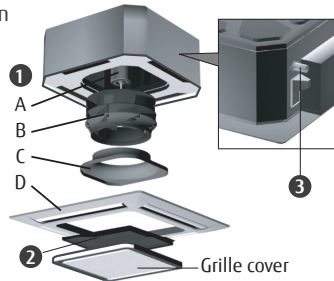
Model No.	Indoor unit		AUAG12LVLB	AUAG18LVLB	AUAG24LVLA
	Outdoor unit		AOAG12LBLA	AOAG18LBLA	AOAG24LALA
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	3.50	5.20	6.80
		BTU/h	11,950	17,700	23,200
	Heating	kW	4.10	6.00	8.00
		BTU/h	14,000	20,500	27,300
Input Power	Cooling/Heating	kW	0.99/1.11	1.55/1.66	2.21/2.26
EER	Cooling	W/W	3.54	3.35	3.08
COP	Heating	W/W	3.69	3.61	3.54
Running Current	Cooling/Heating	A	4.5/5.1	7.0/7.4	9.7/9.9
Moisture Removal		l/h	1.2	2.2	2.7
Sound Pressure	Indoor (High)	dB(A)	37	38	49
	Outdoor		47	50	52
Airflow Rate (High)	Indoor	m³/h	600	680	930
	Outdoor		1,780	2,000	2,470
Net Dimension H×W×D	Indoor / Grille	mm	245×570×570/50×700×700	245×570×570/50×700×700	245×570×570/50×700×700
		kg (lbs)	15.0(33)/2.6(6)	15.0(33)/2.6(6)	16.0(35)/2.6(6)
Net Weight	Outdoor	mm	578×790×300	578×790×300	578×790×315
		kg (lbs)	40.0(88)	40.0(88)	44.0(97)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/12.70	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	19.4/25.4	19.4/25.4	19.4/25.4
Max Pipe Length (Pre-Charge)		m	25(15)	25(15)	30(15)
Max Height Difference			15	15	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A
Cassette Grille			UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W

## Easy maintenance

### 1 Maintenance of fan motor and fan

Maintenance of the fan motor and fan can be done easily after taking off the panel as the bell mouth of the fan can be removed easily.

A : Fan motor    B : 2-stage turbo fan  
C : Bell-mouth    D : Panel



### 2 Long life filter

: standard equipment

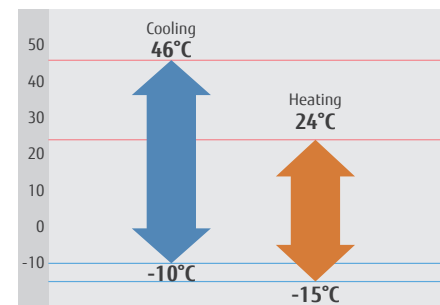
### 3 Adaptation of transparent drainage parts

During installation, maintenance and operation, the drain pump and kit can be checked easily.

## High lift drain pump

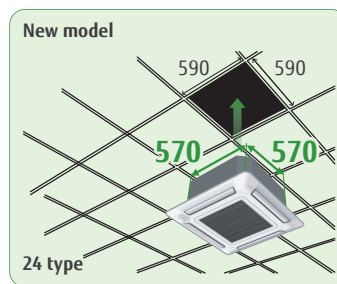
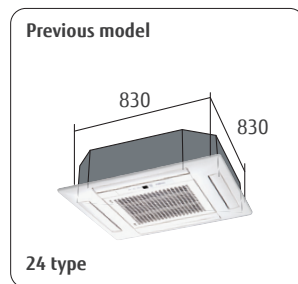


## Low ambient operation



## Compact design

World's first 24,000Btu model in the compact cassette category  
(Easy installation by taking off ceiling panel of 600 x 600 size)



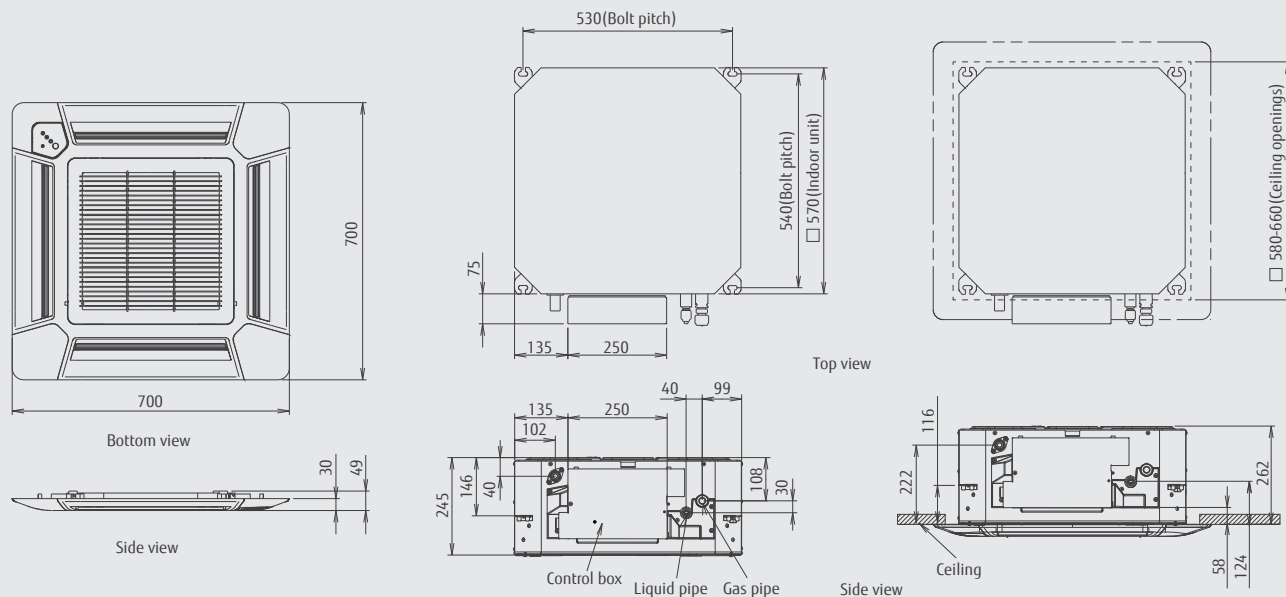
## Optional parts

Wired Remote Controller:	UTY-RNNYM
Simple Remote Controller:	UTY-RSNYM
Air Outlet Shutter Plate:	UTR-YDZB
Insulation Kit For High Humidity:	UTZ-KXGC
External Connect Kit:	UTY-XWZX
External Control Set:	UTD-ECS5A
Fresh Air Intake Kit:	UTZ-VXAA
Cassette Grille:	UTG-UFYD-W
Wireless LAN Interface:	UTY-TFNXZ3

## Dimensions

Models: AUAG12LVLB / AUAG18LVLB / AUAG24LVLA

(Unit : mm)



# INVERTER

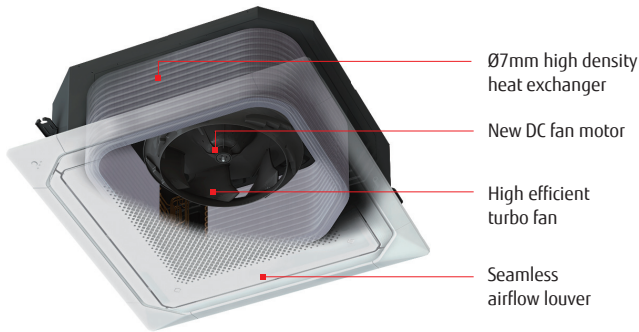
# CIRCULAR FLOW CASSETTE

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



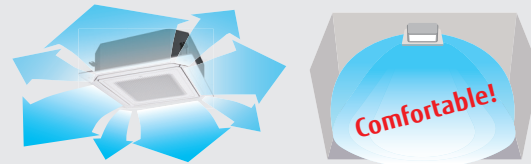
## Uniform air distribution by the seamless air opening

In new model, the gaps between each airflow openings are removed, which enables to distribute wider and uniform airflow to room.



## Uniform temperature air conditioning

Achieve a comfortable air conditioning spread to every corner of the room by circular flow & wide vertical airflow.



## Specifications

Model No.	Indoor unit		AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB	
	Outdoor unit		AOYG18LBCA	AOYG24LBCA	AOYG30LBTA	AOYG36LBTA	AOYG45LBTA	AOYG54LBTA	
Power Source	V/ Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	
Capacity	Cooling	kW (Min-Max)	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)	
		Btu/h (Min-Max)	17,700 (3,100-22,200)	23,200 (3,100 - 27,300)	29,000 (9,500 - 34,100)	32,400 (9,500 - 38,200)	42,700 (13,700 - 47,800)	45,400 (21,200 - 49,500)	
	Heating	kW (Min-Max)	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)	
		Btu/h (Min-Max)	20,500 (3,100 - 27,300)	26,600 (3,100 - 31,000)	34,100 (9,200 - 38,200)	36,900 (9,200 - 43,300)	47,800 (14,300 - 55,300)	53,900 (16,000 - 56,300)	
Input Power	Cooling/Heating	kW (Max)	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	W/W	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	
Running Current	Cooling/Heating	A	6.2 / 6.6	9.5 / 9.6	11.2 / 12.2	13.0 / 12.7	16.8 / 16.3	19.1 / 20.0	
Moisture Removal			l/h	2.2	2.7	2.5	3.3	4.5	5.0
Sound Pressure (Cooling)	Indoor (High)	dB(A)	33	35	40	44	46	47	
	Outdoor		51	55	53	54	55	55	
Airflow Rate (Cooling)	Indoor (High)	m³/h	1,050	1,150	1,600	1,900	2,000	2,100	
	Outdoor		1,900	2,460	3,600	3,800	6,750	6,750	
Net Dimension HxWxD	Indoor / grille	mm	246x840x840/53x950x950				255x840x840/53x950x950		
		kg (lbs)	24 (53) / 6.0 (13)	24 (53) / 6.0 (13)	26 (57) / 6.0 (13)	26 (57) / 6.0 (13)	29 (64) / 6.0 (13)	29 (64) / 6.0 (13)	
Net Weight	Outdoor unit	mm	620x790x290		830x900x330		830x900x330		
		kg (lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)	
Piping Connections (Small / Large)			mm	6.35/12.7	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain Pipe Diameter (I.D./O.D.)			mm	25/32	25/32	25/32	25/32	25/32	
Max Pipe Length (Pre-Charge)			m	30 (15)	30 (15)	50 (20)	50(20)	50(20)	
Max Height Difference			m	20	20	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		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant			R410A	R410A	R410A	R410A	R410A		
Cassette Grille			UTG-UKYA-W: White Color with touch panel wired remote controller UTG-UKYC-W: White Color / UTG-UKYA-B*1: Black Color						

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

### 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-RNRYZ2) 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 for Energy Saving (Option)

• Human sensor



2 modes can be selected.

**Auto saving**

Power is saved while no one is around

**Auto OFF**

Operation is stopped while no one is around

\*Touch Panel Wired RC (UTY-RNRYZ2) only

### 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.



**UTG-UKYA-W**  
White Color Grille  
With touch panel wired remote controller



**UTG-UKYA-B**  
Black Color Grille



**UTG-UKYC-W**  
White Color Grille

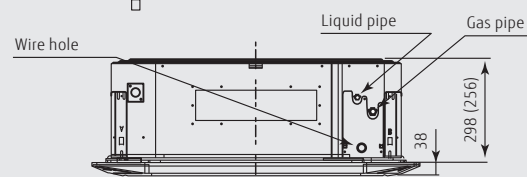
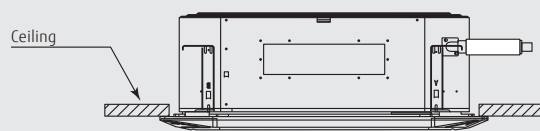
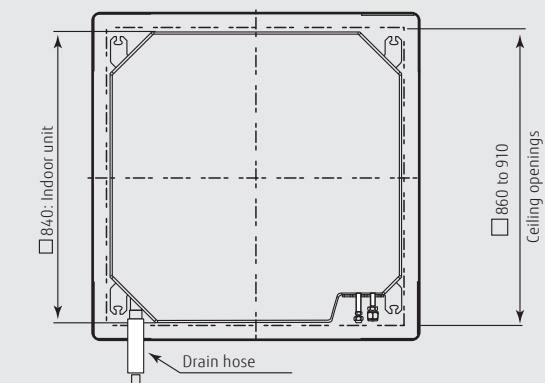
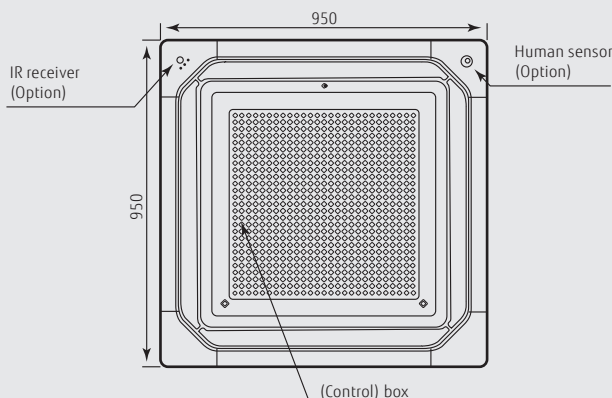
### Optional parts

Touch Panel Wired Remote Controller (Two wires):	UTY-RNRYZ2
High Grade Wired Remote Controller (Three wires):	UTY-RVNYM
Standard Wired Remote Controller (Three wires):	UTY-RNNYM
Simple Remote Controller (Three wires):	UTY-RSNYM
Simple Remote Controller (Two wires):	UTY-RSRY / UTY-RHRY
IR receiver kit:	UTY-LBTYC
Human Sensor Kit:	UTY-SHZXC
Cassette Grille:	UTG-UKYC-W / UTG-UKYA-B / UTG-UKYA-W
External input and output PCB:	UTY-XCSX
External input and output PCB box:	UTZ-GXRA
External Connect Kit:	UTY-XWZXZG
Fresh Air Intake Kit:	UTZ-VXRA
Insulation Kit for High Humidity :	UTZ-KXRA
Air Outlet Shutter Plate:	UTR-YDZK
Wide Panel:	UTG-AKXA-W
Panel Spacer:	UTG-BKXA-W
Wireless LAN Interface:	UTY-TFNXZ3

### Dimensions

Models: AUXG18LRLB / AUXG24LRLB  
AUXG30LRLB / AUXG36LRLB / AUXG45LRLB / AUXG54LRLB

(Unit : mm)



( ) : AUXG18/24LRLB

# INVERTER

# CASSETTE

Model : AUAG30LRLA / AUAG36LRLA / AUAG45LRLA / AUAG54LRLA



Wired R.C.



AOAG30LBTA  
AOAG36LBTA

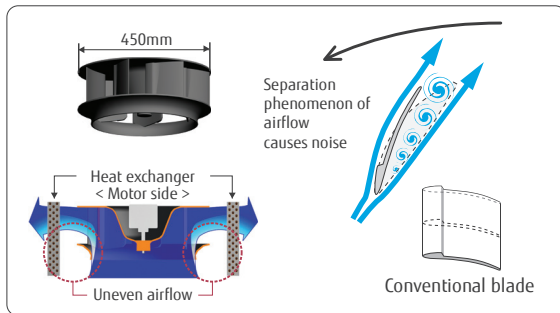


AOAG45LBTA  
AOAG54LBTA

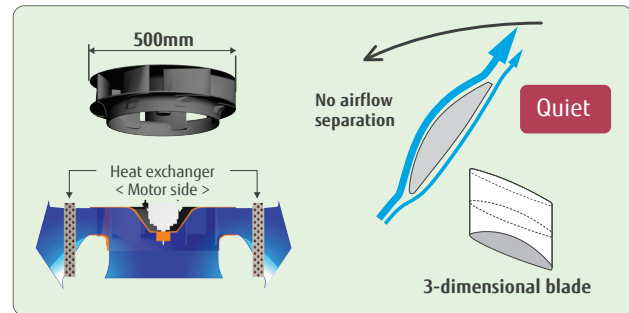


## High efficiency turbo fan with 3-dimensional blade

**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.



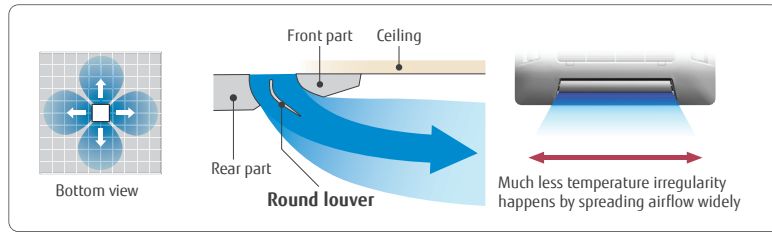
← Spin direction    → Airflow direction    ••••• Turbulent flow noise

## Specifications

Model No.	Indoor unit		AUAG30LRLA	AUAG36LRLA	AUAG45LRLA	AUAG54LRLA
	Outdoor unit		AOAG30LBTA	AOAG36LBTA	AOAG45LBTA	AOAG54LBTA
Power Source	V / Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	8.50	10.00	12.50	13.3
		BTU/h	29,000	34,100	42,700	45,400
	Heating	kW	10.00	11.20	14.00	16.0
		BTU/h	34,100	38,200	47,800	54,600
Input Power	Cooling/Heating	kW	2.54/2.77	3.12/3.02	3.88/3.77	4.42/4.69
EER	Cooling	W/W	3.35	3.21	3.22	3.01
COP	Heating	W/W	3.61	3.71	3.71	3.41
Running Current	Cooling/Heating	A	11.1/12.2	13.7/13.3	16.9/16.5	19.3/20.5
Moisture Removal		l/h	2.5	3.5	4.5	5.0
Sound Pressure	Indoor (High)	dB(A)	40	43	46	47
	Outdoor		53	54	55	55
Airflow Rate (High)	Indoor	m³/h	1,600	1,800	1,900	2,000
	Outdoor		3,600	3,800	6,750	6,750
Net Dimension H×W×D	Indoor / Grille	mm	288x840x840/50x950x950	288x840x840/50x950x950	288x840x840/50x950x950	288x840x840/50x950x950
		kg (lbs)	23.0(51)/5.5(12)	23.0(51)/5.5(12)	26.0(57)/5.5(12)	26.0(57)/5.5(12)
Net Weight	Outdoor	mm	830x900x330	830x900x330	1,290×900×330	1,290×900×330
		kg (lbs)	61.0(135)	61.0(135)	88.0(194)	88.0(194)
Piping Connections (Small / Large)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)			25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)			50(20)	50(20)	50(20)	50(20)
Max Height Difference			30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A	R410A
Cassette Grille			UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W

### Improvement of the airflow distribution

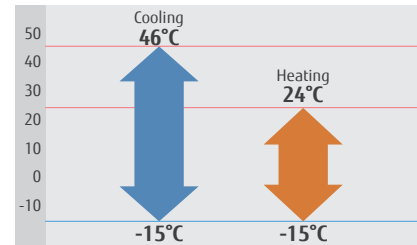
**New louver:** The louver design distributes air leaving a space between the chassis and the ceiling allowing far and wide air flow distribution.



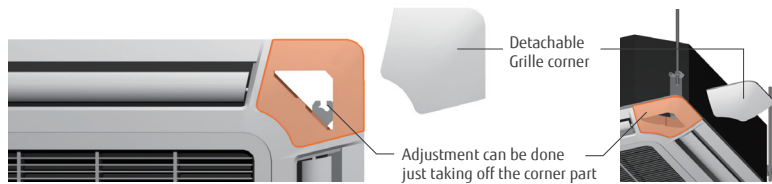
### High lift drain pump



### Low ambient operation

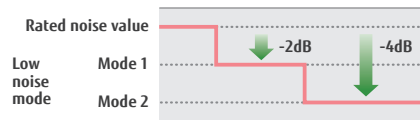


### Adjustment of hanger position is possible after installation



### Low noise mode of outdoor unit (45/54 types)

2 stage low noise mode can be selected. (Option)



### Optional parts

- Wired Remote Controller: UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- IR Receiver Kit: UTY-LRHYA2
- Wide Panel: UTG-AGYA-W
- Panel Spacer: UTG-BGYA-W
- Air Outlet Shutter Plate: UTR-YDZC
- Insulation Kit For High Humidity: UTZ-KXGA
- External Connect Kit: UTY-XWZX  
UTY-XWZXZ3  
(For AOAG45/54LBTA)
- External Control Set: UTD-ECS5A
- Fresh Air Intake Kit: UTZ-VXGA
- Cassette Grille: UTG-UGYA-W
- Wireless LAN Interface: UTY-TFNXZ3

## Dimensions

Models: AUAG30LRLA / AUAG36LRLA / AUAG45LRLA / AUAG54LRLA

(Unit: mm)

