

# Split



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. We make your room more comfortable with a wide range of air conditioner types from ceiling wall type with automatic filters and cleaning functions to wall mounted type that improve the air cleaning function. Of course these models feature highly efficient operation that conserves electricity.



The Intelligent Choice in Comfort  
Split type Air Conditioners

**022** Ceiling Wall



**024** Wall Mounted

**036** Floor

**038** Compact Cassette

**042** Cassette

**046** Floor / Ceiling

**050** Ceiling

**054** Compact Duct

**058** Duct

**062** High Static Pressure Duct

10 types  
80 models



# INVERTER Ceiling Wall

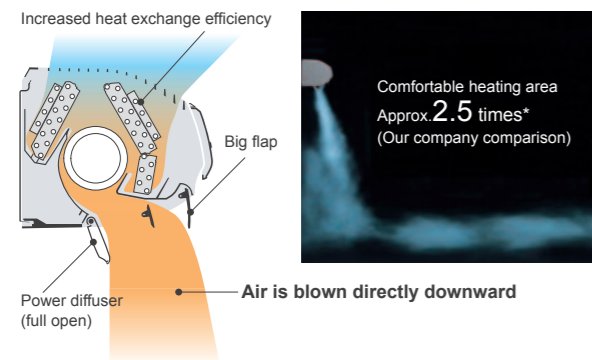
8th year of record achievements.  
Automatic filter cleaning air conditioner

CLASS ALL  
A DC  
AWYZ14LB

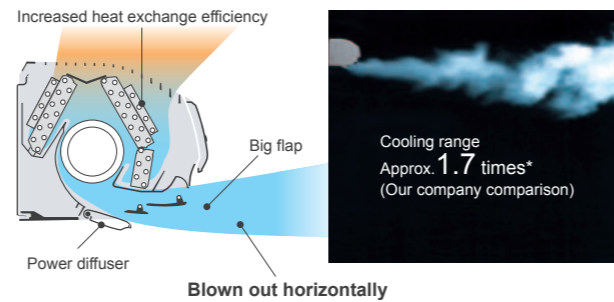
CLASS ALL  
A DC  
AWYZ18LB

CLASS ALL  
A DC  
AWYZ24LB

## "Vertical airflow" provides powerful floor level heating



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



\*Compared to our conventional Model ASY13PSCCW

## Specifications

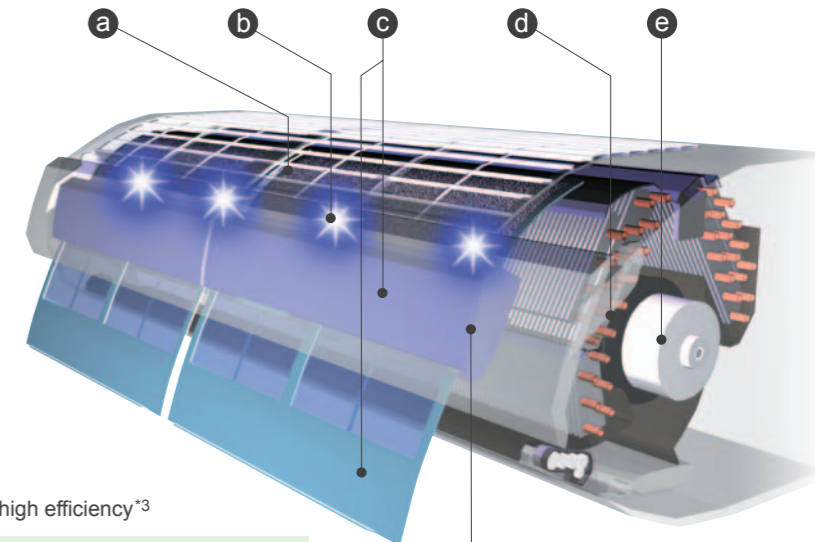
Model No.	Indoor unit		AWYZ14LB	AWYZ18LB	AWYZ24LB
	Outdoor unit		AOYZ14LB	AOYZ18LB	AOYZ24LB
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	4.20(0.9~5.3)	5.20(0.9~5.9)	7.10(0.9~8.0)
	Heating	kW	6.00(0.9~9.1)	6.70(0.9~9.7)	8.50(0.9~11.0)
Input Power	Cooling/Heating	kW	1.02/1.35	1.58/1.63	2.21/2.24
EER - Energy Class	Cooling	W/W	4.12-A	3.29-A	3.21-A
COP - Energy Class	Heating		4.44-A	4.11-A	3.62-A
Running Current	Cooling/Heating	A	4.5/5.9	6.9/7.2	9.7/10.3
Moisture Removal		l/h	2.1	2.8	3.0
Noise (Indoor)	Cooling	H/M/L/Q/SQ	46/43/35/29/24	46/43/35/29/24	47/43/40/36/32
Noise (Outdoor)	Cooling		46	47	53
Airflow Rate (High)	Indoor / Outdoor	m³/h	850/1910	850/1910	880/3600
		mm	250x899x298	250x899x298	250x899x298
Net Dimension H x W x D	Indoor	kg(lbs)	13.5(30)	13.5(30)	14(31)
		mm	578x790x300	578x790x300	830x900x330
	Outdoor	kg(lbs)	39(86)	39(86)	62(137)
		mm	6.35/12.70	6.35/12.70	6.35/15.88
Piping Connections (Small / Large)		mm	16/29	16/29	16/29
Drain Pipe Diameter (Inner/Outer)		m	20(15)	20(15)	30(15)
Max Pipe Length (Pre-Charge)			15	15	20
Operation Range	Cooling	°CDB	-10~43	-10~43	-10~43
	Heating		-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A

## Automatic filter cleaner **WORLD FIRST**<sup>\*1</sup>

- Entire filter is cleaned automatically in approx. 2 minutes.
- Since the filter is cleaned automatically, energy saving capability is displayed without regard to the load on the air conditioner.
- Energy saving CLASS A cleared with a margin to spare.
- 2 exhaustive bacteria eliminating and deodorizing countermeasures keep the air in the room clean.

## Clean & energy saving technology

- a** Dirt and dust are bacteria-eliminated by photocatalytic filter<sup>\*2</sup>
- b** Drives away bacteria and refreshes the air by UV (ultraviolet rays) illumination
- c** Energy saving by automatic filter cleaning function<sup>\*1</sup>  
This function allows an energy saving of more than 25% a year and maintains a smooth airflow by preventing the filters from being clogged with dust.
- d** Computer-designed fan provides a larger airflow than conventional models  
New air trunk, which provides a smooth airflow, and axial gap fan motor increase the max. airflow by 10% over that of conventional models.  
CAE (Computer aided engineering) analysis
- e** Axial gap fan motor enables nonconventional high power and high efficiency<sup>\*3</sup>

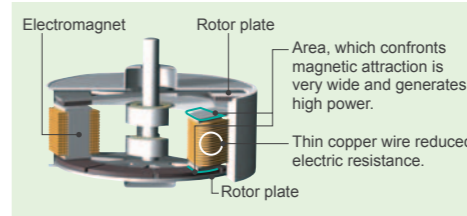


### Axial gap method

Rotor plates are installed above and below electromagnets.

### Features (Compared to conventional models)

Compact size with 1.5 more power output  
Self-driven method increases rotating efficiency by 10%. Our electromagnetic field simulation technology enables low vibration and low noise.



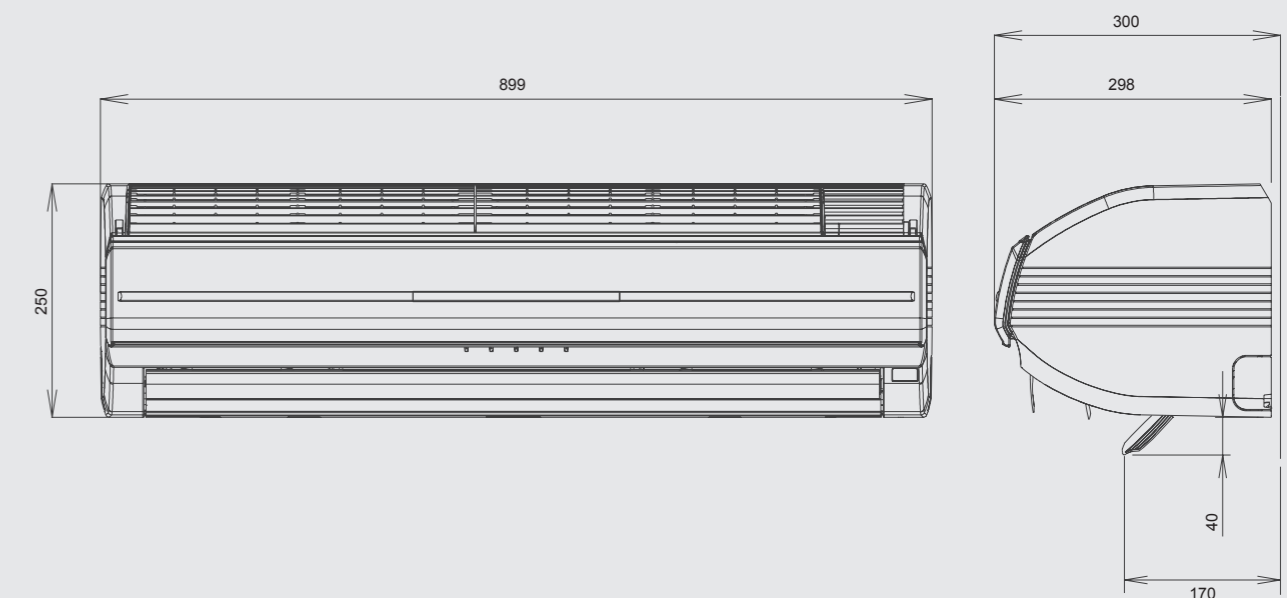
### Antibacterial dust box

Removes dirt and dust by double brushes. Dust collection is approx. twice that in the past. (our company comparison) Maintenance: Only throwing into a trash bin once every 2 years

\*1: Announced September 9, 2002. In room air conditioner for the home (Our company's investigation) \*2: Displays double the effect of a conventional optical medium and retains its property for a long time to suck in and remove approx. 99.99% of cigarette odors and bacteria, etc. \*3: Announced December 13, 2004. As fan motor for air conditioner (Our company's investigation)

## Dimensions Models: AWYZ14LB / AWYZ18LB / AWYZ24LB

(Unit : mm)



# INVERTER Wall Mounted

Thin & Slim Design with High COP & Powerful Heating

CLASS ALL A DC ASYG09LT NEW CLASS ALL A DC ASYG12LT NEW

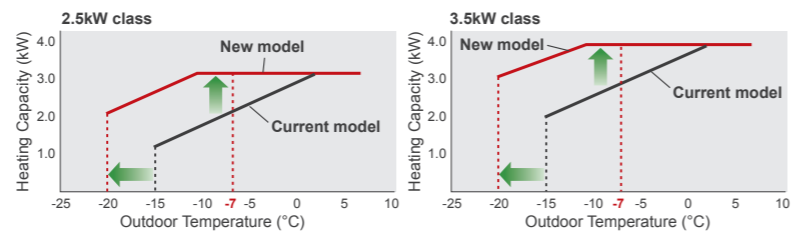
## Thin & Slim design

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

Slimness **185 mm**

## 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.



## Powerful operation mode

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

## Energy saving control

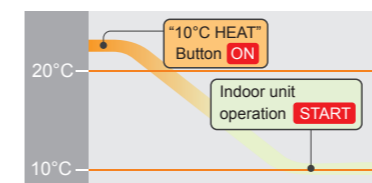
Human sensor catches movements of people in a room, and operates with lower capacity when the room is empty. When people come back to the room, it automatically returns to previous operating mode.

Energy saving operation by detecting someone's movement



## 10°C HEAT Operation \*Only available with Wireless RC.

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



### Caution

•When the room temperature is higher than 10°C, "10°C HEAT" operation does not start. Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.

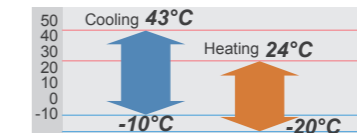
•When "10°C HEAT" operation stops, the room set temperature quickly returns to the preset temperature.

## 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.

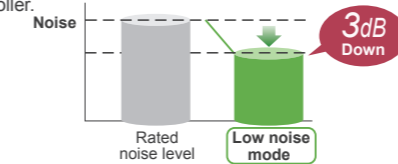


## Low ambient operation



## Low noise mode for outdoor unit

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



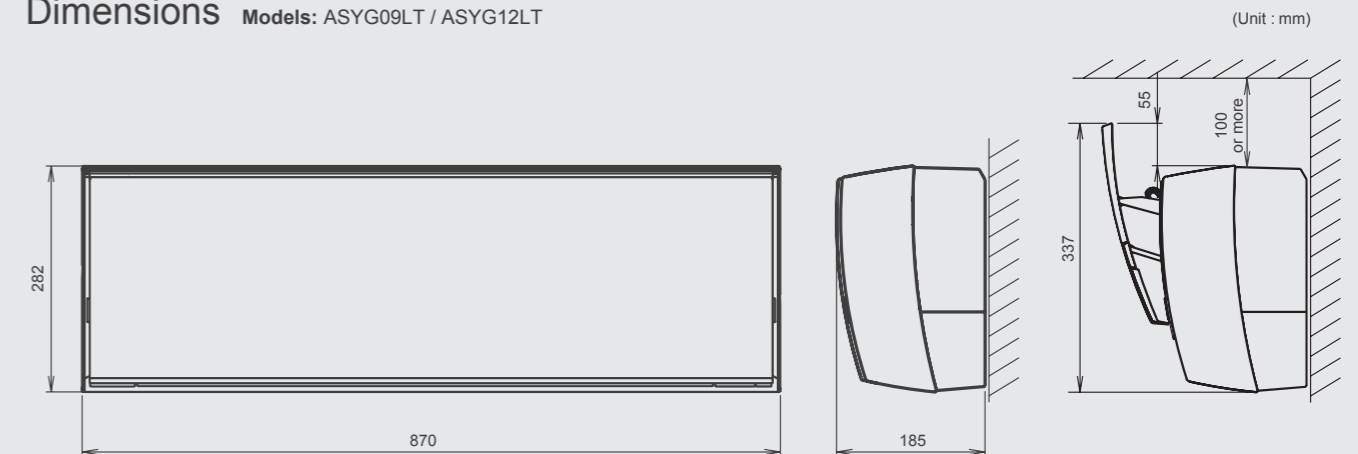
## Optional parts

- Wired Remote Controller: UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- Communication Kit: UTY-TWBXF
- External Connect Kit: UTY-XWZWZ5

## Specifications

Model No.	Indoor unit		Outdoor unit	
			ASYG09LT	ASYG12LT
Power Source	V/∅/Hz		230/1/50	230/1/50
Capacity	Cooling	kW	0.9-3.5	1.1-4.0
	Heating	kW	0.9-5.4	0.9-6.5
Input Power	Cooling/Heating		0.505/0.660	0.850/0.910
EER - Energy Class	Cooling		4.95-A	4.12-A
COP - Energy Class	Heating		4.85-A	4.40-A
Running Current	Cooling/Heating		A	4.0/4.3
Moisture Removal			l/h	1.3
Noise (Indoor)	Cooling	H/M/L/Q	dB(A)	
			42/36/32/21	43/37/32/21
Noise (Outdoor)	Cooling		48	
Airflow Rate (High)	Indoor / Outdoor		m³/h	
			800/1,700	850/2,050
Net Dimension H x W x D	Indoor	mm	282×870×185	
		kg(lbs)	9.5(21)	
	Outdoor	mm	540×790×290	
		kg(lbs)	33(73)	
Piping Connections (Small / Large)			6.35/9.52	
Drain Pipe Diameter (Inner/Outer)			16/29	
Max Pipe Length (Pre-Charge)			20(15)	
Max Height Difference			15	
Operation Range	Cooling	°CDB	-10~43	
	Heating	°CDB	-20~24	
Refrigerant			R410A	

## Dimensions Models: ASYG09LT / ASYG12LT



# INVERTER Wall Mounted

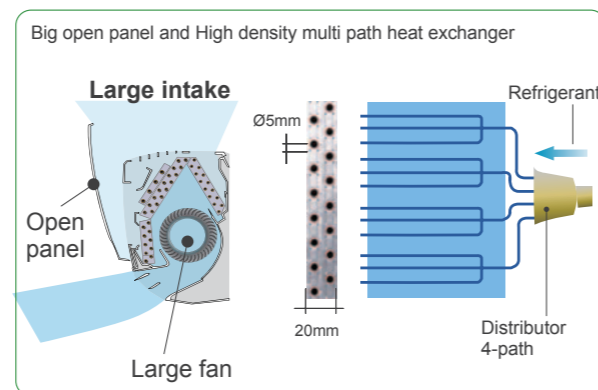


## Thin & Slim design

Thin and slim design is realized by Ø5mm heat exchanger and high efficiency wind blower.

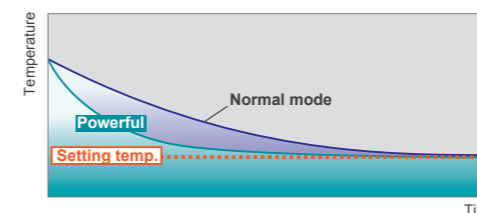


H282 X W870 X D185



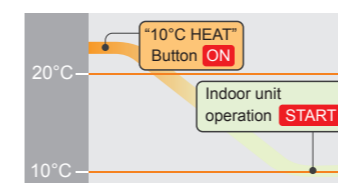
## Powerful operation

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 \*Only available with Wireless RC.

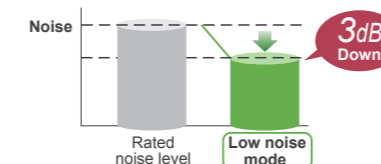
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied



**Caution**  
 •When the room temperature is higher than 10°C, "10°C HEAT" operation does not start.  
 Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.  
 •When "10°C HEAT" operation stops, the room set temperature quickly returns to the preset temperature.

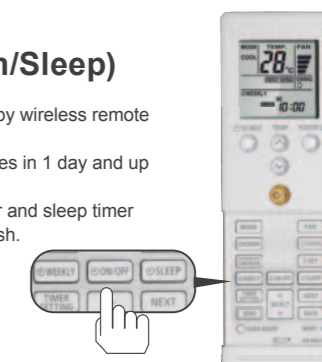
## Low noise mode for outdoor unit

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



## 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.

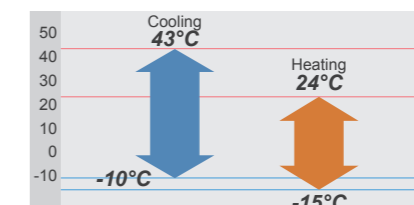


## Filter sign display

Indicates the filter cleaning period by lamp.



## Low ambient operation



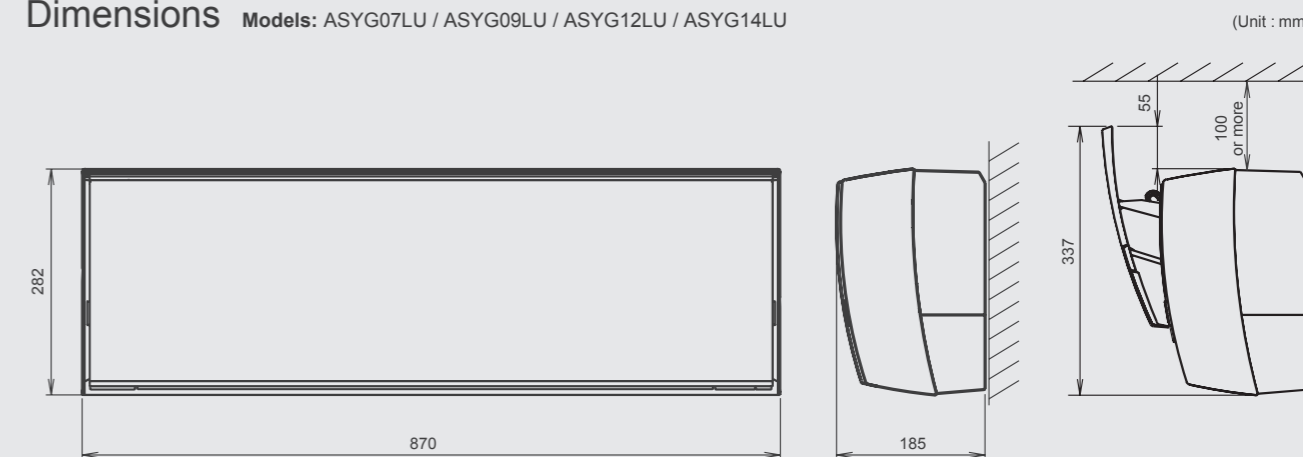
## Optional parts

- Wired Remote Controller: UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- Communication Kit: UTY-TWBXF
- External Connect Kit: UTY-XWZWZ5

## Specifications

Model No.	Indoor unit		ASYG07LU	ASYG09LU	ASYG12LU	ASYG14LU
	Outdoor unit		AOYG07LU	AOYG09LU	AOYG12LU	AOYG14LU
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50
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		0.460/0.660	0.555/0.680	0.905/0.930	1.235/1.380
EER - Energy Class	Cooling		4.35-A	4.50-A	3.87-A	3.40-A
COP - Energy Class	Heating		4.55-A	4.71-A	4.30-A	3.91-A
Running Current	Cooling/Heating		2.6/3.4	3.1/3.4	4.6/4.7	5.8/6.3
Moisture Removal			1.0	1.3	1.8	2.1
Noise (Indoor)	Cooling	H/M/L/Q	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
	Cooling		46	48	50	50
Airflow Rate (High)	Indoor / Outdoor		680/1,720	800/1,720	850/1,940	900/1,940
	Indoor		mm	282x870x185	282x870x185	282x870x185
Net Dimension H x W x D	Indoor		kg(lbs)	9.5(21)	9.5(21)	9.5(21)
	Outdoor		mm	540x660x290	540x660x290	540x790x290
			kg(lbs)	23(51)	25(55)	33(73)
Piping Connections (Small / Large)			6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drain Pipe Diameter (Inner/Outer)			16/29	16/29	16/29	16/29
Max Pipe Length (Pre-Charge)			20(15)	20(15)	20(15)	20(15)
Max Height Difference			15	15	15	15
Operation Range	Cooling	°CDB	-10~43	-10~43	-10~43	-10~43
	Heating	°CDB	-15~24	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A	R410A

## Dimensions Models: ASYG07LU / ASYG09LU / ASYG12LU / ASYG14LU



# INVERTER Wall Mounted

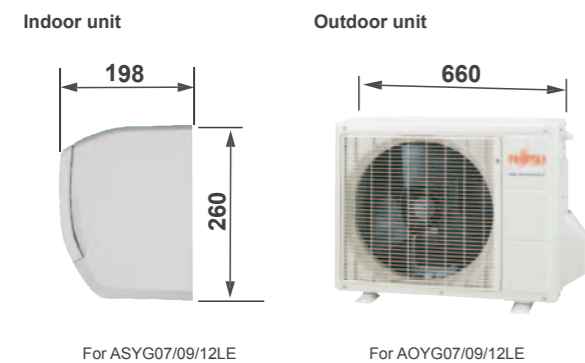
Simple design with energy saving.

For ASYG14LE  
For ASYG07/09/12LE

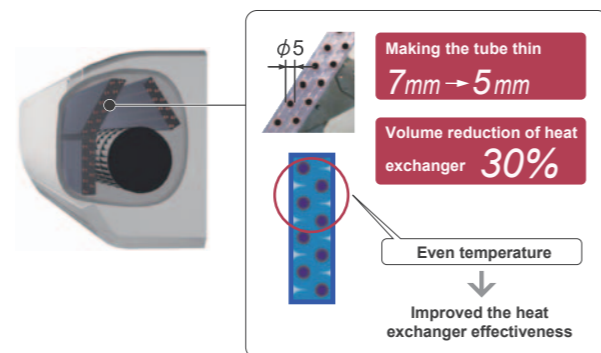
CLASS ALL DC A NEW CLASS ALL DC A NEW CLASS ALL DC A NEW CLASS ALL DC A NEW

ASYG07LE NEW ASYG09LE NEW ASYG12LE NEW ASYG14LE NEW

## Compact design

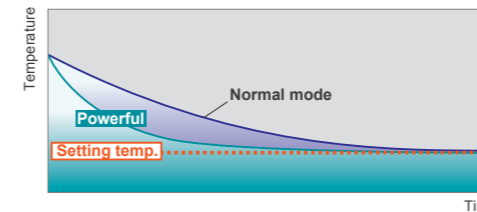


## High density heat exchanger arrangement



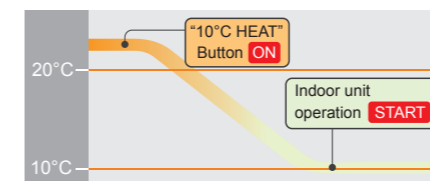
## Powerful operation

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 \*Only available with Wireless RC.

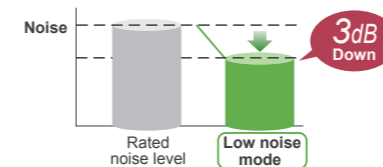
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied



**Caution**  
 •When the room temperature is higher than 10°C, "10°C HEAT" operation does not start. Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.  
 •When "10°C HEAT" operation stops, the room set temperature quickly returns to the preset temperature.

## Low noise mode for outdoor unit

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



## Easy maintenance

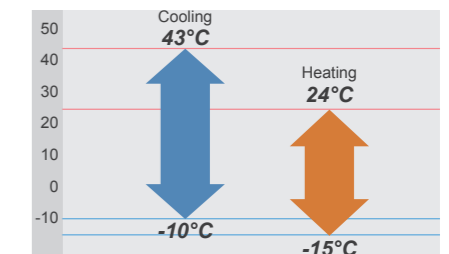
Removable & washable panel

Filter sign display  
Indicates the filter cleaning period by lamp.

## Quiet operation

Cooling mode (07/09/12 TYPE)  
 Fan speed **Quiet** Noise level **21dB(A)**

## Low ambient operation



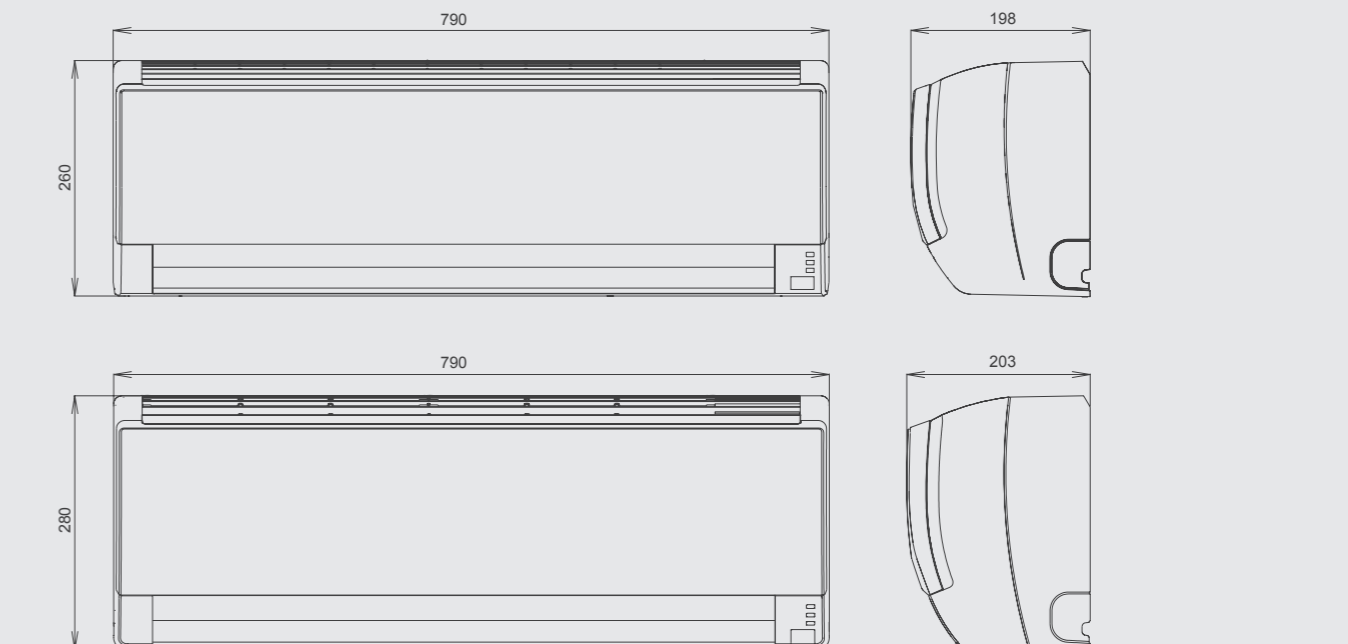
## Optional parts

- Wired Remote Controller: UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- Communication Kit: UTY-XCBXE (07/09/12 Type)  
UTY-XCBXZ1 (14 Type)
- External Connect Kit: UTY-XWZX

## Specifications

Model No.	Indoor unit		ASYG07LE	ASYG09LE	ASYG12LE	ASYG14LE
	Outdoor unit		AOYG07LE	AOYG09LE	AOYG12LE	AOYG14LE
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	0.5-3.0	0.5-3.2	0.9-3.9	0.9-5.0
	Heating	kW	0.5-4.0	0.5-4.2	0.9-5.3	0.9-6.4
Input Power	Cooling/Heating		0.47/0.685	0.64/0.75	0.92/0.99	1.105/1.305
EER - Energy Class	Cooling		4.47-A	3.91-A	3.70-A	3.62-A
COP - Energy Class	Heating		4.38-A	4.27-A	4.04-A	3.83-A
Running Current	Cooling/Heating		2.7/3.5	3.5/3.8	4.4/4.7	5.3/6.0
Moisture Removal	l/h		1.0	1.3	1.8	2.1
Noise (Indoor)	Cooling	H/M/L/Q	43/38/31/21	43/38/31/21	43/38/31/21	44/40/33/25
	Cooling		45	45	50	49
Airflow Rate (High)	Indoor / Outdoor		690/1720	690/1720	690/1830	770/1,800
	Indoor		mm	260X790X198	260X790X198	260X790X198
Net Dimension H x W x D	Indoor		kg(lbs)	7.5(17)	7.5(17)	8.0(18)
	Outdoor		mm	540X660X290	540X660X290	540X660X290
			kg(lbs)	23(51)	23(51)	29(64)
	Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52	6.35/9.52
Drain Pipe Diameter (Inner/Outer)	mm		16/29	16/29	16/29	16/29
Max Pipe Length (Pre-Charge)	m		20(15)	20(15)	20(15)	20(15)
Max Height Difference	m		15	15	15	15
Operation Range	Cooling	°CDB	-10~43	-10~43	-10~43	-10~43
	Heating	°CDB	-15~24	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A	R410A

## Dimensions Models: ASYG07LE / ASYG09LE / ASYG12LE / ASYG14LE



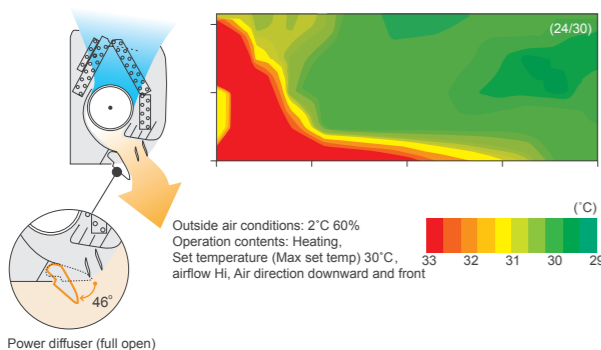
# INVERTER Wall Mounted

Simple & Elegant Appearance Design

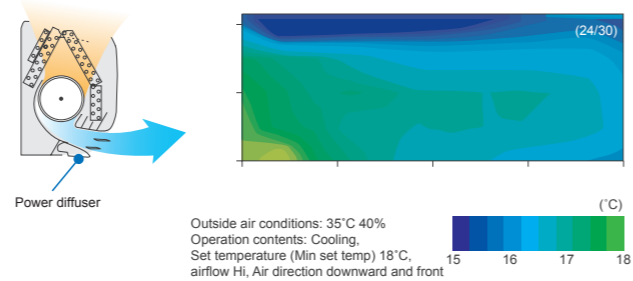
For ASYG18LF      For ASYG24LF      For ASYG30LF

**CLASS ALL DC**  
**A** **NEW**      **CLASS ALL DC**  
**A** **NEW**      **CLASS ALL DC**  
**A** **NEW**

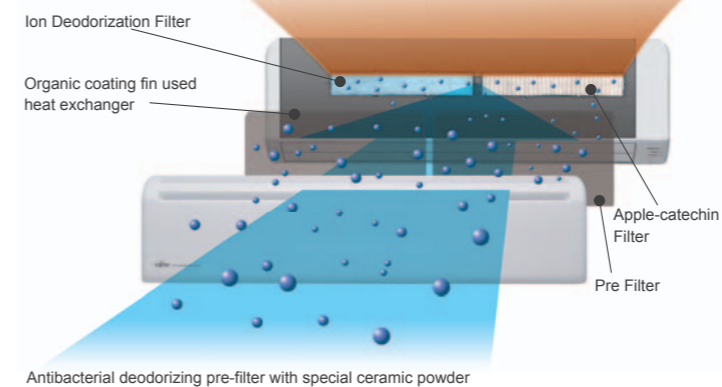
“Vertical airflow” provides powerful floor level heating



“Horizontal airflow” does not blow cool air directly at the occupants in the room



## Air conditioner filter features



### Long-life\* 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.

(\*The filter can be used for approx. 3 years if it is washed under water to restore its surface action when it is dirty.)

✦ Using different filters at both sides

### Apple-catechin Filter

Fine dust, invisible mold spores, and harmful microorganisms are absorbed onto the filter by static electricity, and further growth is inhibited and deactivated by the polyphenol extracted from apples.

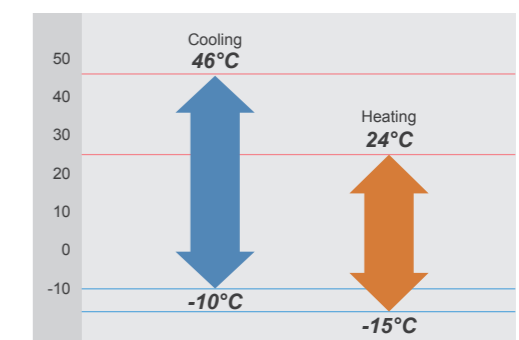
## Flexible Installation

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

## Easy maintenance

Simplification of drain pan cleaning improves maintenance-ability.

## Low ambient operation



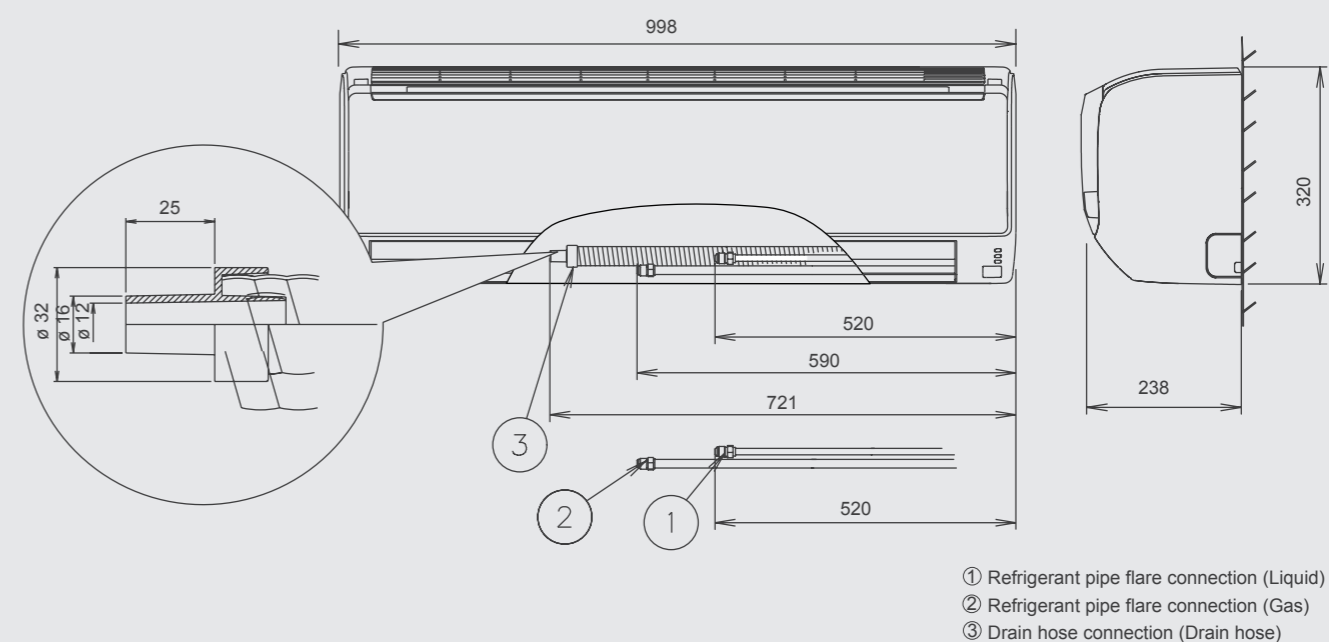
## Optional parts

- Wired Remote Controller: UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- External Connect Kit: UTY-XWZX

## Specifications

Model No.	Indoor unit		ASYG18LF	ASYG24LF	ASYG30LF
	Outdoor unit		AOYG18LF	AOYG24LF	AOYG30LF
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	5.20(0.9~6.0)	7.10(0.9~8.0)	8.00(2.9~9.0)
	Heating	kW	6.30(0.9~9.1)	8.00(0.9~10.6)	8.80(2.2~11.0)
Input Power	Cooling/Heating		1.52/1.71	2.20/2.21	2.49/2.44
EER - Energy Class	Cooling		3.42-A	3.23-A	3.21-A
COP - Energy Class	Heating		3.68-A	3.61-A	3.61-A
Running Current	Cooling/Heating		6.8/7.6	9.7/9.8	10.9/10.7
Moisture Removal			2.8	2.7	3.2
Noise (Indoor)	Cooling		43/37/33/26	47/42/37/32	48/42/37/33
Noise (Outdoor)	Cooling		51	52	53
Airflow Rate (High)	Indoor/Outdoor		900/2070	1100/2340	1100/3600
			mm	320X998X238	320X998X238
Net Dimension H x W x D	Indoor		14(30.8)	14(30.8)	14(30.8)
	Outdoor		620X790X298	578X790X315	830X900X330
Piping Connections (Small / Large)			40(88)	43(95)	61(135)
			mm	6.35/12.8	6.35/15.88
Drain Pipe Diameter (Inner/Outer)			16/29	16/29	16/29
Max Pipe Length (Pre-Charge)			25(15)	30(15)	50(20)
Height Difference			20	20	30
			mm	20	30
Operation Range	Cooling		-10~46	-10~46	-10~46
	Heating		-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A

## Dimensions Models: ASYG18LF / ASYG24LF / ASYG30LF



# Wall Mounted



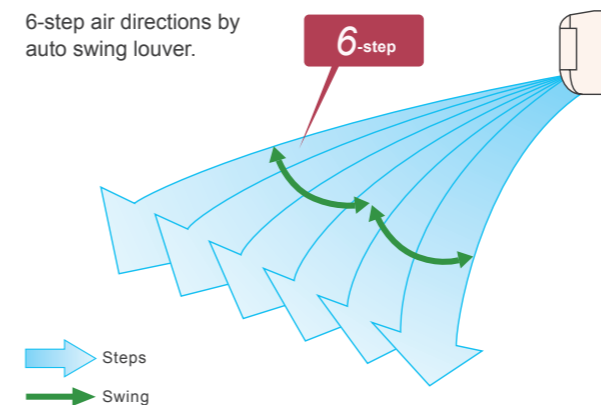
## Powerful output in spite of small size

Though the indoor unit is compact, it features a large, high pressure cross fan (90mm diameter) in a center mounted configuration and a lambda type heat exchanger to provide plenty of power. The extra long diffuser provides a wide outflow opening for air. This ensures a large air outflow volume over a wide area to cool or heat all areas of the room.



## Auto swing louver

6-step air directions by auto swing louver.



## Symmetrical design

Symmetrical, clean design that suits all interiors.

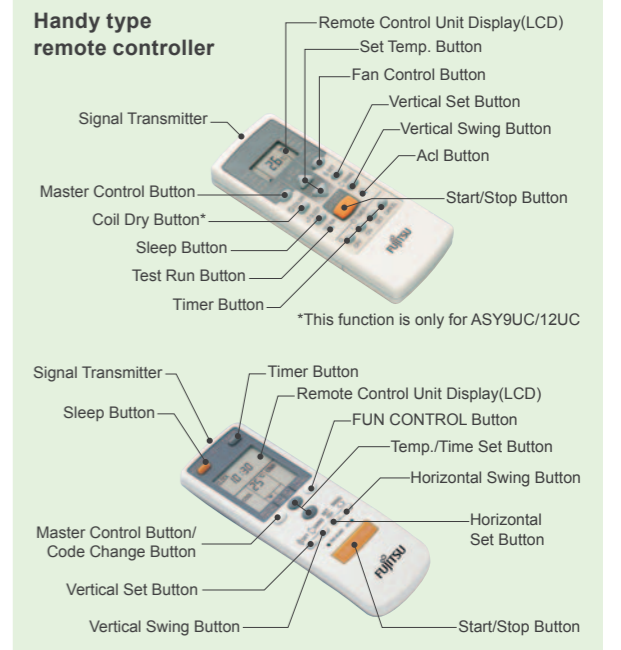


## Easy maintenance

Easy maintenance has been realized as the front panel can be removed for easy access.



## Handy type remote controller



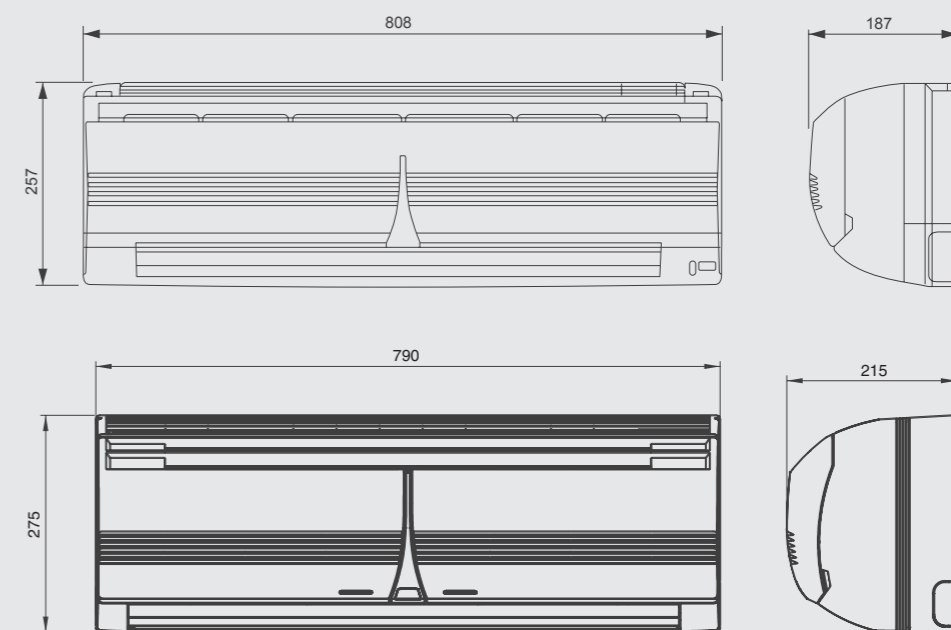
## Specifications

Model No.	Indoor unit		ASY7UB	ASY9UC	ASY12UC	ASY14UB
	Outdoor unit		AOY7UB	AOY9UC	AOY12UC	AOY14UB
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	2.20	2.60	3.25	4.25
	Heating		2.30	2.95	3.95	4.80
Input Power	Cooling/Heating	kW	0.83/0.75	1.07/0.90	1.35/1.28	1.38/1.27
EER - Energy Class	Cooling	W/W	2.65-D	2.43-E	2.41-E	3.08-B
COP - Energy Class	Heating		3.07-D	3.28-C	3.09-D	3.78-A
Running Current	Cooling/Heating	A	3.9/3.6	4.8/4.1	5.9/5.6	6.1/5.6
Moisture Removal		l/h	1.0	1.3	1.8	2.0
Noise (Indoor)	Cooling H/M/L/Q	dB(A)	38/35/33/29	40/38/35/30	40/38/36/33	43/40/37/33
Noise (Outdoor)	Cooling		43	46	48	47
Airflow Rate (High)	Indoor / Outdoor	m³/h	380/1350	540/1350	540/1700	700/1670
Net Dimension H x W x D	Indoor	mm	257x808x187	257x808x187	257x808x187	275x790x215
		kg(lbs)	8(18)	8(18)	8(18)	9(20)
	Outdoor	mm	535x650x250	535x650x250	535x695x250	535x780x250
		kg(lbs)	26(57)	28(62)	31(68)	37(82)
Piping Connections (Small / Large)		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	
Drain Pipe Diameter (Inner/Outer)		14/25.5	14/25.5	14/25.5	14/25.5	
Max Pipe Length (Pre-Charge)		10(7.5)	15(7.5)	15(7.5)	15(7.5)	
Max Height Difference		5	8	8	8	
Operation Range	Cooling	°C	21~43	21~43	21~43	21~43
	Heating		-15~24	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A	R410A

## Dimensions

Models: ASY7UB / ASY9UC / ASY12UC / ASY14UB

(Unit : mm)



# Wall Mounted



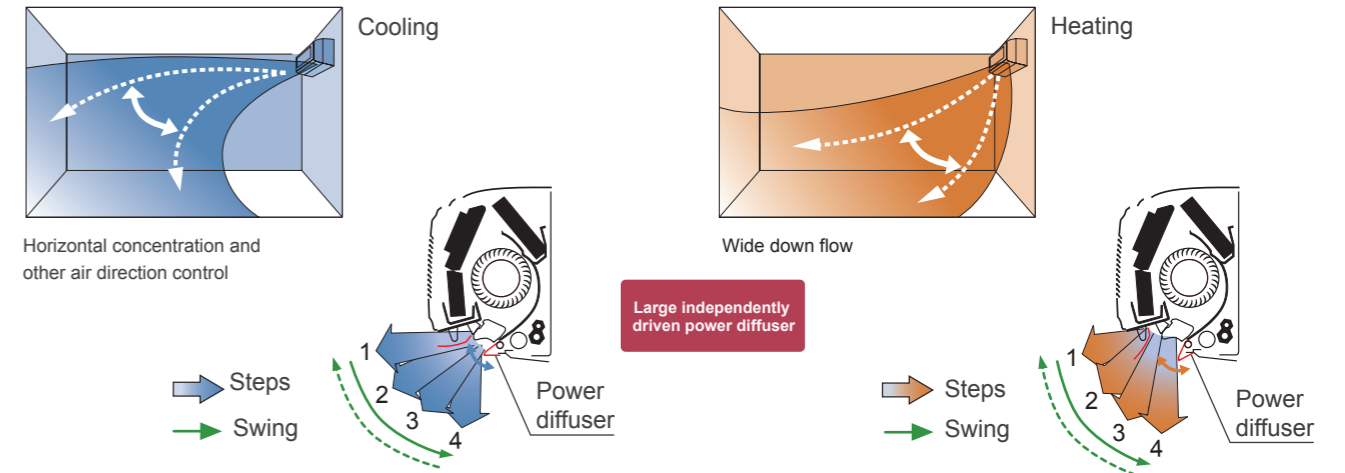
## Powerful output in spite of small size

Though the indoor unit is compact, it features a large, high pressure cross fan (107mm diameter) in a center mounted configuration and a lambda type heat exchanger to provide plenty of power. The extra long diffuser provides a wide outflow opening for air. This ensures a large air outflow volume over a wide area to cool or heat all areas of the room.



## Multi airflow

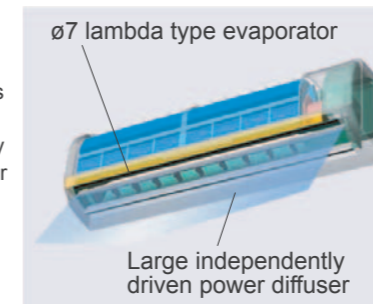
Large independently driven power diffuser used



## Low noise

- High efficiency fan construction ⇒ ø7mm Lambda type evaporator improves the airflow path
- Large independently driven power diffuser

Low noise  
**34<sub>dB</sub>**  
(ASY18)

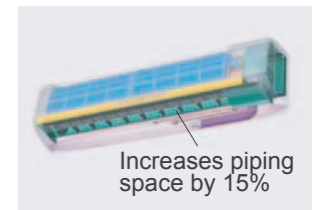


## Easy installation

Expanded work space at bottom of casing increases piping space by 15%.

## Others

- Double auto swing
- 2-way draining route

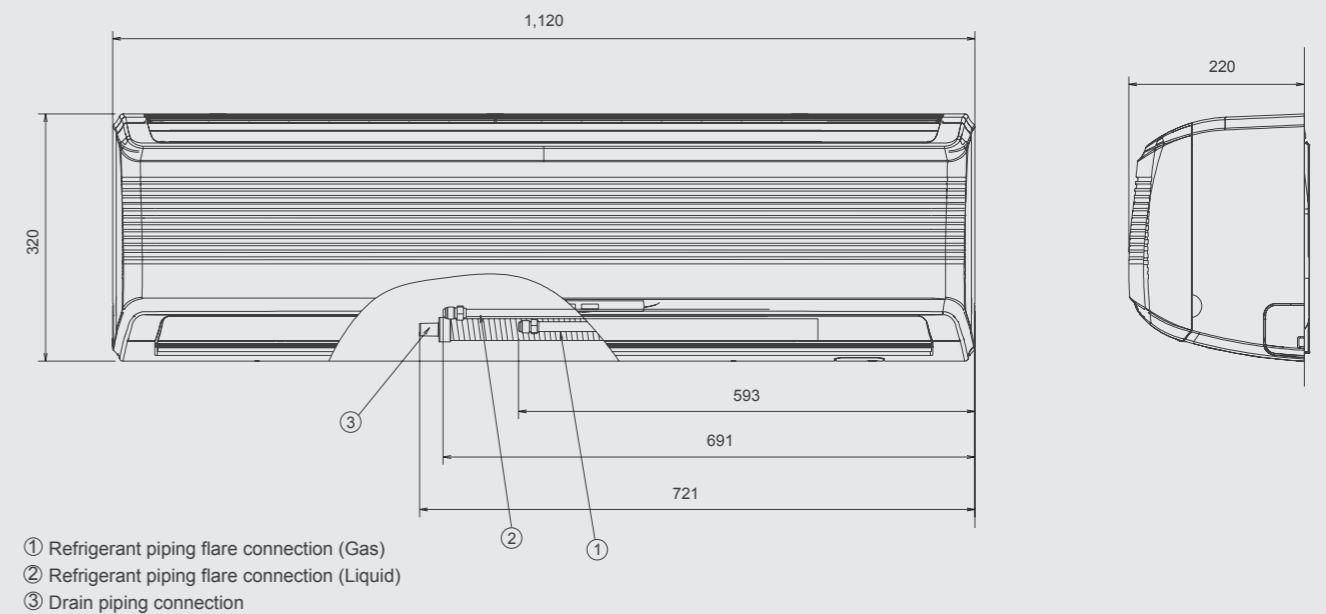


## Specifications

Model No.	Indoor unit		ASY18UB	ASY24UB	ASY30UB
	Outdoor unit		AOY18UB	AOY24UB	AOY30UB
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	5.40	6.80	7.90
	Heating	kW	5.70	7.40	8.40
Input Power	Cooling/Heating	kW	1.85/1.85	2.40/2.40	2.75/2.75
EER - Energy Class	Cooling	W/W	2.92-C	2.83-C	2.87-C
COP - Energy Class	Heating		3.08-D	3.08-D	3.05-D
Running Current	Cooling/Heating	A	8.3/8.3	10.6/10.5	13.0/13.0
Moisture Removal		l/h	2.0	2.5	3.0
Noise (Indoor)	Cooling	H/M/L	41/37.5/34	45/42/38	47.5/44/40.5
Noise (Outdoor)	Cooling		52	53	54
Airflow Rate (High)	Indoor/Outdoor	m³/h	800/3200	970/3200	1040/3320
Net Dimension H x W x D	Indoor	mm	320x1120x220	320x1120x220	320x1120x220
		kg(lbs)	16(35)	16(35)	16(35)
	Outdoor	mm	650x830x320	650x830x320	900x900x350
		kg(lbs)	52(114)	59(130)	74(163)
Piping Connections (Small / Large)		mm	6.35/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (Inner/Outer)		mm	16/28	16/28	16/28
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)	25(7.5)
Height Difference			8	8	15
Operation Range	Cooling	°CDB	0~43	0~43	0~43
	Heating		-6~24	-6~24	-6~24
Refrigerant			R410A	R410A	R410A

## Dimensions Models: ASY18UB / ASY24UB / ASY30UB

(Unit : mm)



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

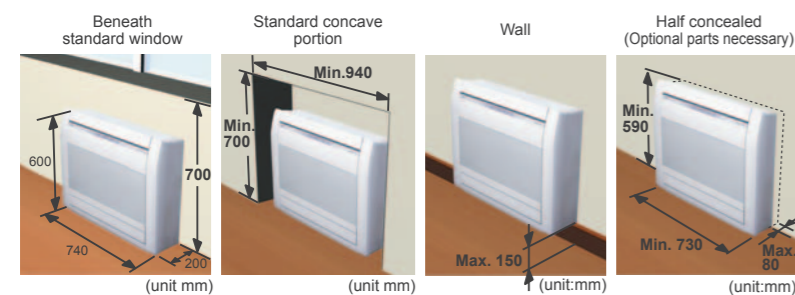


# INVERTER Floor

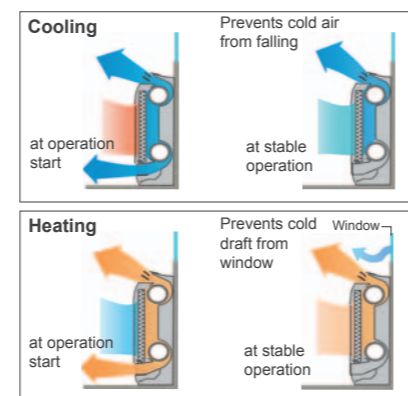
Simple & Thin design harmonizes with the interior

CLASS ALL A DC AGYF09LA CLASS ALL A DC AGYF12LA CLASS ALL A DC AGYF14LA

## Flexible & easy installation



## 2-Fan & Wide airflow



## Specifications

Model No.	Indoor unit		AGYF09LA	AGYF12LA	AGYF14LA
	Outdoor unit		AOYV09LA	AOYV12LA	AOYV14LA
Power Source	V/φ/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	2.60(0.9~3.5)	3.50(0.9~4.0)	4.20(0.9~5.0)
	Heating	kW	3.50(0.9~5.5)	4.50(0.9~6.6)	5.20(0.9~8.0)
Input Power	Cooling/Heating		0.53/0.79	0.94/1.19	1.14/1.44
EER - Energy Class	Cooling		4.91-A	3.72-A	3.68-A
COP - Energy Class	Heating		4.43-A	3.78-A	3.61-A
Running Current	Cooling/Heating		2.6/3.8	4.4/5.5	5.2/6.4
Moisture Removal	l/h		1.3	1.8	2.1
Noise (Indoor)	Cooling	H/M/L/Q	40/35/29/22	40/35/29/22	44/38/31/22
Noise (Outdoor)	Cooling		47	48	50
Airflow Rate (High)	Indoor/Outdoor		570/1680	570/1680	650/1910
Net Dimension H x W x D	Indoor	mm	600x740x200	600x740x200	600x740x200
		kg(lbs)	14(31)	14(31)	14(31)
	Outdoor	mm	540x790x290	540x790x290	578x790x300
		kg(lbs)	36(79)	36(79)	40(88)
Piping Connections (Small / Large)	mm		6.35/9.52	6.35/9.52	6.35/12.7
Drain Pipe Diameter (Inner/Outer)	mm		16/29	16/29	16/29
Max Pipe Length (Pre-Charge)	m		20(15)	20(15)	20(15)
Height Difference	m		15	15	15
Operation Range	Cooling	°CDB	-10~43	-10~43	-10~43
	Heating	°CDB	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A

## Filter features

**Long-life\* 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.  
(\*The filter can be used for approx. 3 years if it is washed under water to restore its surface action when it is dirty.)

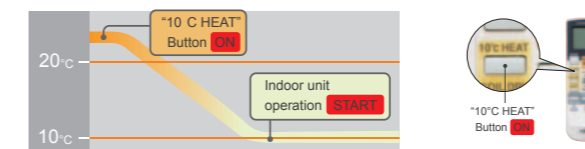
**Apple-catechin Filter**  
Fine dust, invisible mold spores, and harmful microorganisms are absorbed onto the filter by static electricity, and further growth is inhibited and deactivated by the polyphenol extracted from apples.

Using different filters at both sides

## 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

**Caution**  
•When the room temperature is higher than 10°C, "10°C HEAT" operation does not start. Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.  
•When "10°C HEAT" operation stops, the room set temperature quickly returns to the preset temperature.

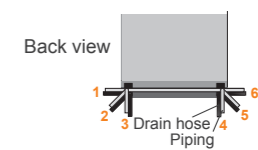


## Easy maintenance

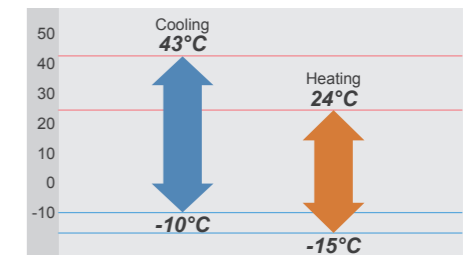
Washable panel removable



## Flexible piping connection 6 direction of drain & piping



## Low ambient operation



## Quiet operation

Industry leading noise levels

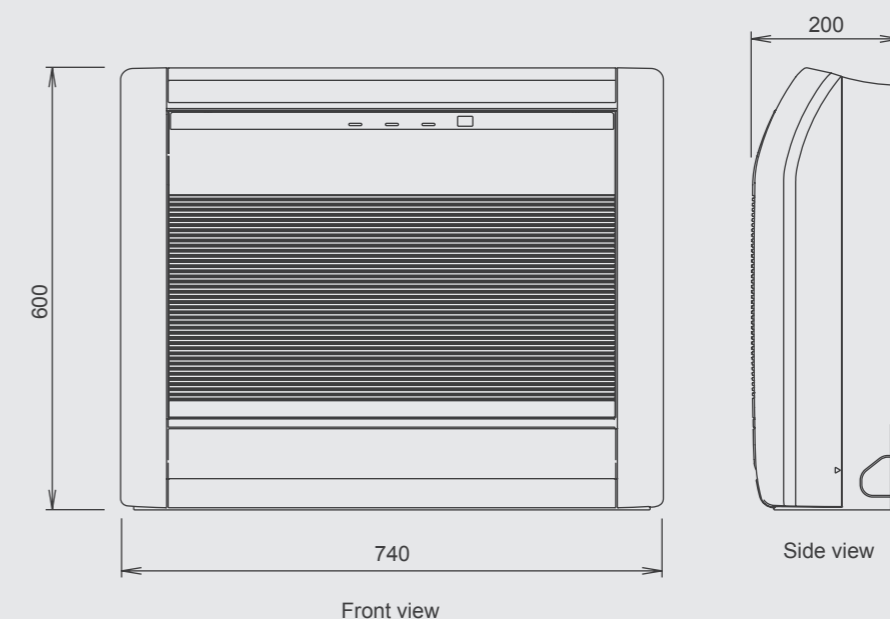
Fan speed **Quiet** Low level **22 dB(A)**

## Optional parts

Wired Remote Controller: UTB-YUD  
Half Concealed Kit: UTR-STA  
External Connect Kit: UTY-XWZX

## Dimensions Models: AGYF09LA / AGYF12LA / AGYF14LA

(Unit : mm)



# INVERTER Compact Cassette

Powerful wide air flow & Quiet operation

Compact Outdoor Unit

Wireless R.C.

Grille is an option

CLASS ALL  
A DC  
AUYF12LA

CLASS ALL  
A DC  
AUYF14LA

CLASS ALL  
A DC  
AUYF18LB

CLASS ALL  
A DC  
AUYF24LB

## 2-stage turbo fan

High efficiency design by 2 stage structure

**Wind velocity**

Fast  
Slow

**Previous turbo fan**  
In the case of a conventional fan, the air outlet range was narrow as the airflow moved to the motor side which meant the velocity of air passing through the heat exchanger was uneven.

**2-stage turbo fan**  
A evenly spread air distribution across the heat exchanger is possible due to the new 2 stage turbo fan which produces two separate airflow streams.

Heat exchange efficiency **20%UP**

## Quiet quality

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

Designed by CFD-analysis (fluid) simulations

**Laminar wing**  
Airflow runs through smoothly along the laminar wing  
No airflow separation  
**Quiet**

Adoption of laminar wing

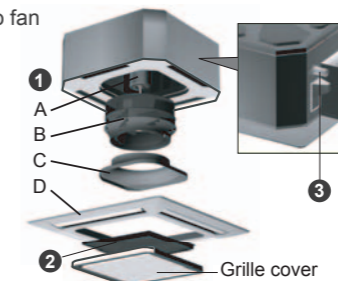
Spin direction ← Airflow direction →

## 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

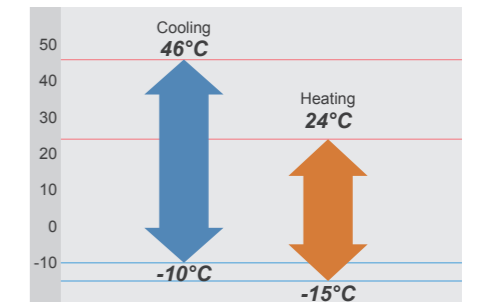
### 3 Adaptation of transparent drainage parts

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

## High lift drain pump



## Low ambient operation



## Compact design

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

**Previous model**  
830

**New model**  
590 590  
570 570

24 type

## Optional parts

Air Outlet Shutter Plate:	UTR-YDZB
Wired Remote Controller:	UTB-YUD
Insulation Kit For High Humidity:	UTZ-KXGC
External Connect Kit:	UTY-XWZX
External Control Set:	UTD-ECS5A
Fresh Air Intake Kit:	UTZ-VXAA

## Specifications

Model No.	Indoor unit		AUYF12LA	AUYF14LA	AUYF18LB	AUYF24LB
	Outdoor unit		AOYA12LA	AOYA14LA	AOYA18LA	AOYA24LA
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	3.50	4.30	5.20	7.10
	Heating	kW	4.10	5.00	6.00	8.00
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.21
EER - Energy Class	Cooling	W/W	3.33-A	3.21-A	3.21-A	3.21-A
	Heating		3.69-A	3.71-A	3.61-A	3.61-A
COP - Energy Class	Cooling		4.6/4.9	5.8/5.9	7.1/7.3	9.7/9.7
	Heating					
Running Current	Cooling/Heating	A				
Moisture Removal		l/h	1.2	1.5	2.2	2.7
Noise (Indoor)	Cooling	H/M/L/Q	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
	Heating		47	49	50	52
Noise (Outdoor)	Cooling					
	Heating					
Airflow Rate (High)	Indoor/Outdoor	m <sup>3</sup> /h	600/1780	680/1910	680/2000	930/2470
	Indoor / Grille	mm	245×570×570/ 50×700×700	245×570×570/ 50×700×700	245×570×570/ 50×700×700	245×570×570/ 50×700×700
Net Dimension H x W x D	Indoor	kg(lbs)	15(33)/2.6(6)	15(33)/2.6(6)	15(33)/2.6(6)	17(37)/2.6(6)
	Outdoor	mm	578×790×300	578×790×300	578×790×300	578×790×315
Piping Connections (Small / Large)	Indoor	kg(lbs)	40(88)	40(88)	40(88)	44(97)
	Outdoor	mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Drain Pipe Diameter (Inner/Outer)		mm	19.4/25.4	19.4/25.4	19.4/25.4	19.4/25.4
Max Pipe Length (Pre-Charge)		m	25(15)	25(15)	25(15)	30(15)
Height Difference			15	15	15	20
Operation Range	Cooling	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating		-15~24	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A	R410A
Grille			UTG-UFYB-W	UTG-UFYB-W	UTG-UFYB-W	UTG-UFYB-W

## Dimensions Models: AUYF12LA / AUYF14LA / AUYF18LB / AUYF24LB

(Unit : mm)

Top view

Bottom view

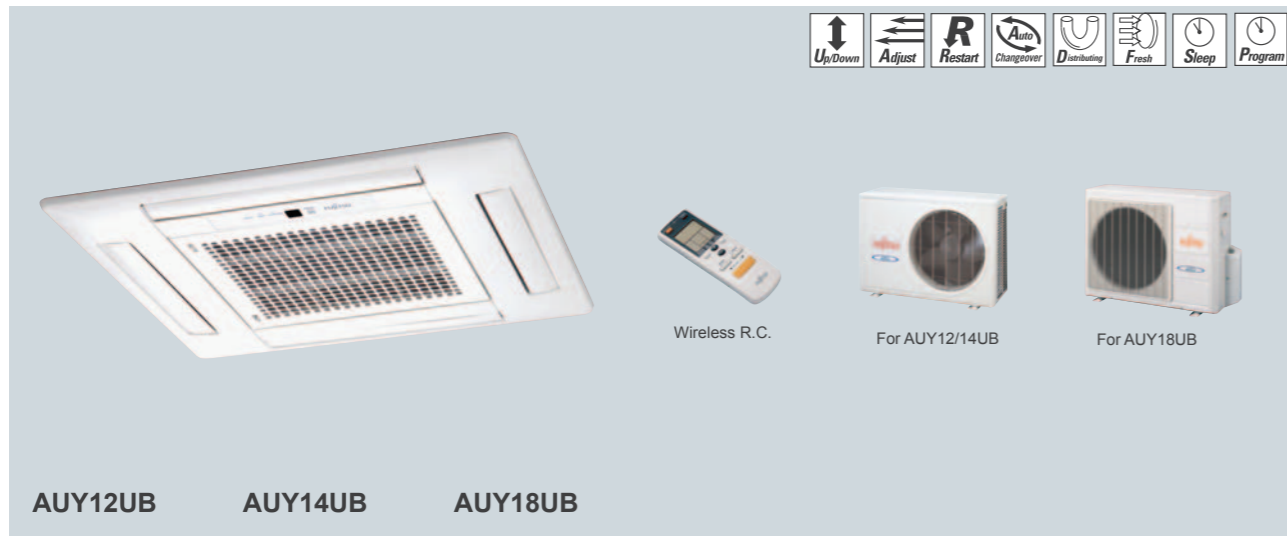
Side view

Side view

Control box Liquid pipe Gas pipe

Ceiling

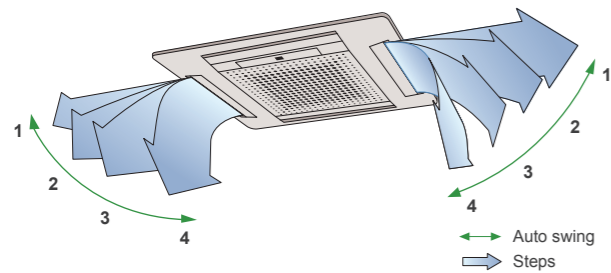
# Compact Cassette



## Comfortable air flow

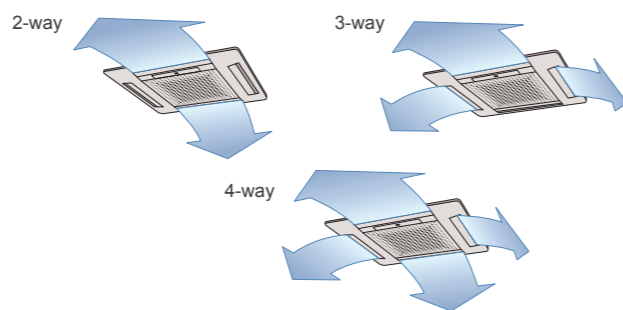
### 4 step swing

Auto air flow direction and auto swing



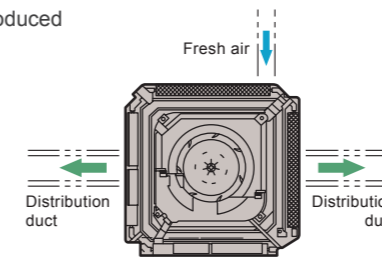
### 2-4 way air flow system

Select 2-way, 3-way or 4-way air flow to suit your needs.

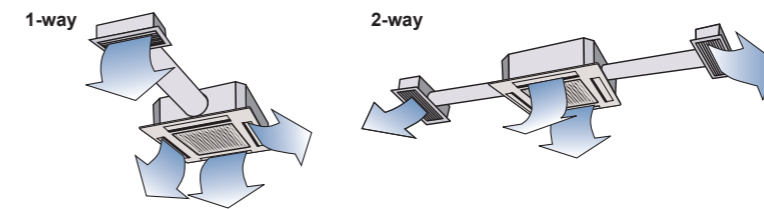


## Duct connection hole opening

Fresh air can be introduced through this opening

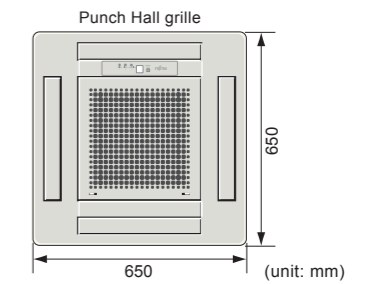


Conditioned air can be distributed by means of a distribution duct

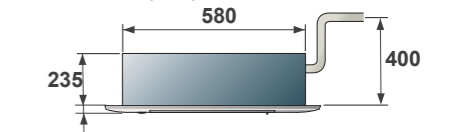


## Compact size

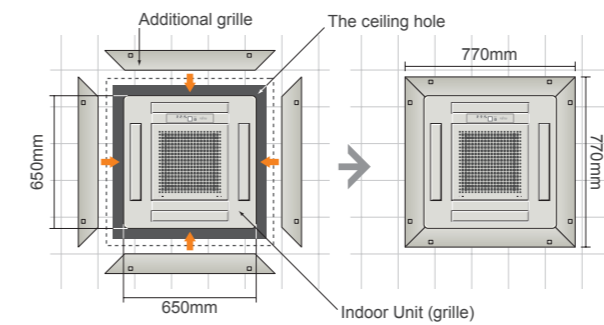
Compact grille fits European ceiling panel (650 x 650 mm)



Condensate pump lift to 400mm



## Additional grille (optional parts)



## Optional parts

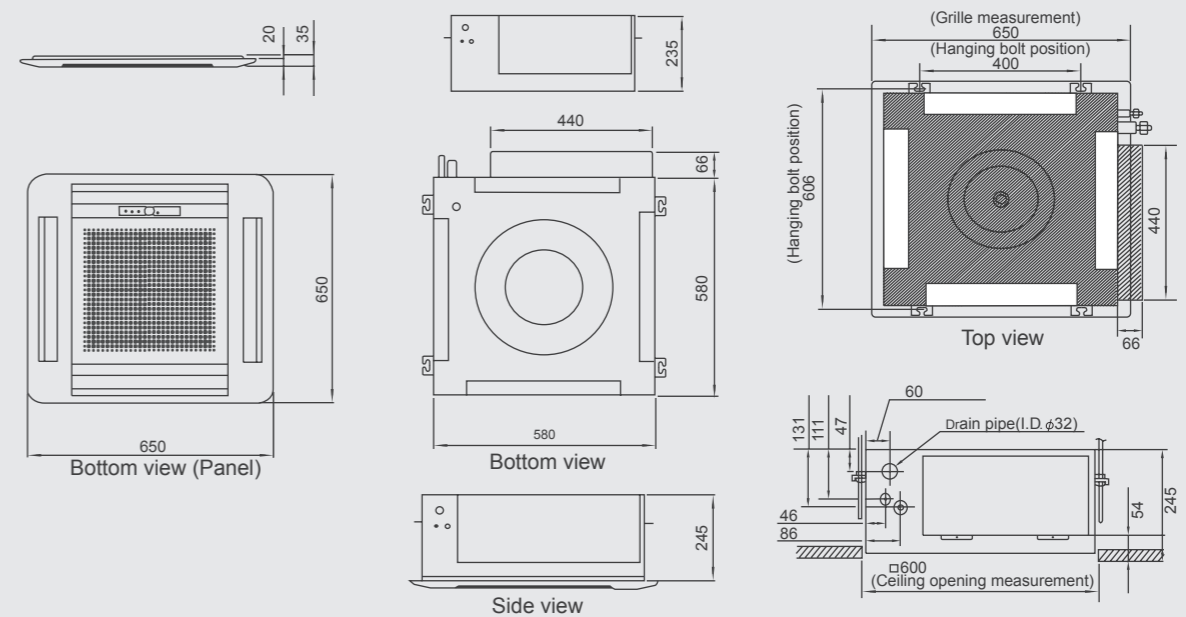
Additional Grille: UTG-AGDA-W

## Specifications

Model No.	Indoor unit		AUY12UB	AUY14UB	AUY18UB
	Outdoor unit		AOY12UB	AOY14UB	AOY18UB
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	3.55	3.95	4.85
	Heating	kW	4.00	4.60	5.40
Input Power	Cooling/Heating		1.24/1.21	1.40/1.42	1.85/2.00
EER - Energy Class	Cooling	W/W	2.86-C	2.82-C	2.62-D
COP - Energy Class	Heating		3.31-C	3.24-C	2.70-E
Running Current	Cooling/Heating		5.5/5.4	6.3/6.3	8.2/9.2
Moisture Removal	l/h		1.3	1.5	2.1
Noise (Indoor)	Cooling	H/M/L	42/39/36	42/39/36	44/41/37
	Heating		49	52	52
Airflow Rate (High)	Indoor/Outdoor		550/1600	550/1600	620/3200
Net Dimension H x W x D	Indoor / Grille	mm	235x580x580	235x580x580	235x580x580
		kg(lbs)	18(40)	18(40)	18(40)
	Outdoor	mm	530x750x250	530x750x250	650x830x320
		kg(lbs)	34(75)	35(77)	52(115)
Piping Connections (Small / Large)	mm		6.35/9.52	6.35/12.70	6.35/12.70
Max Pipe Length (Pre-Charge)	m		20(10)	20(10)	20(10)
Height Difference			8	8	8
Operation Range	Cooling	°CDB	0~43	0~43	0~43
	Heating		-7~24	-7~24	-7~24
Refrigerant			R410A	R410A	R410A
Grille			UTG-UDYD-W	UTG-UDYD-W	UTG-UDYD-W


## Dimensions Models: AUY12UB / AUY14UB / AUY18UB

(Unit : mm)




# INVERTER Cassette

Powerful wide air flow & Quiet operation



Grille is an option



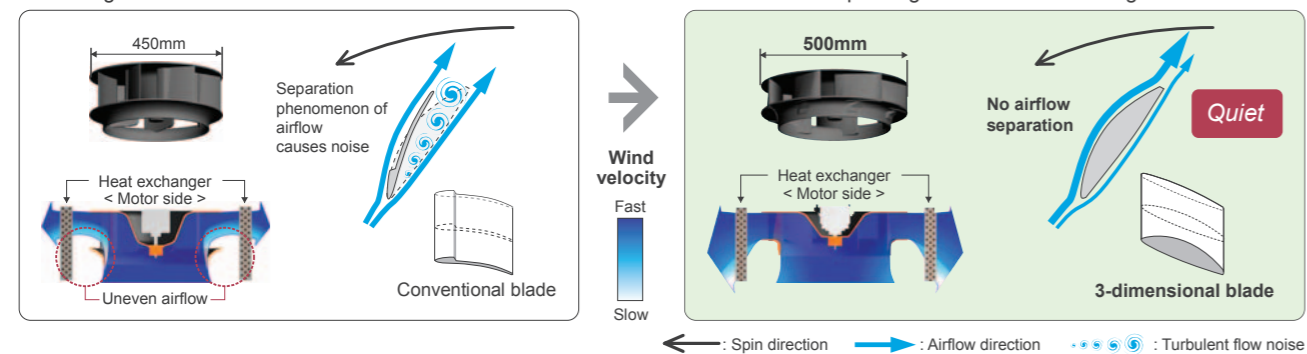
Wired R.C. For AUYA30/36LB For AUYA45/54LC (For single phase) For AUYA36/45/54LC (For 3 phase)

CLASS ALL <b>A</b> DC AUYA30LB	CLASS ALL <b>A</b> DC AUYA36LB AUYA36LC	CLASS ALL <b>A</b> DC AUYA45LC <b>NEW</b> (Single phase)	CLASS ALL <b>A</b> DC AUYA54LC <b>NEW</b> (Single phase)
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## High efficiency turbo fan with 3-dimensional blade

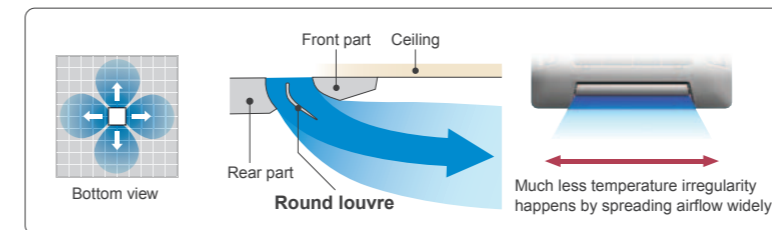
**Previous turbo fan:** Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

**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.

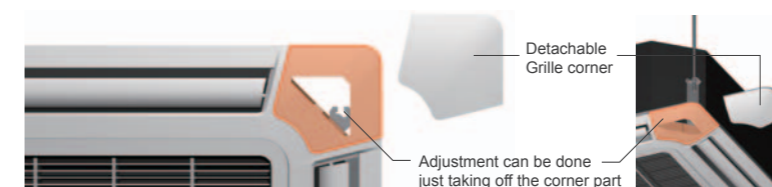


## Improvement of the airflow distribution

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

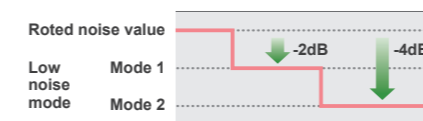


## Adjustment of hanger position is possible after installation



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

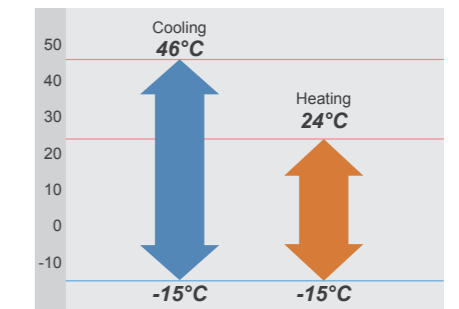
2 stage low noise mode can be selected. (Option)



## High lift drain pump



## Low ambient operation



## Optional parts

- IR Receiver Kit: UTY-LRHYA1
- 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
- External Control Set: UTY-XWZXZ2
- External Control Set: UTD-ECS5A
- Fresh Air Intake Kit: UTZ-VXGA

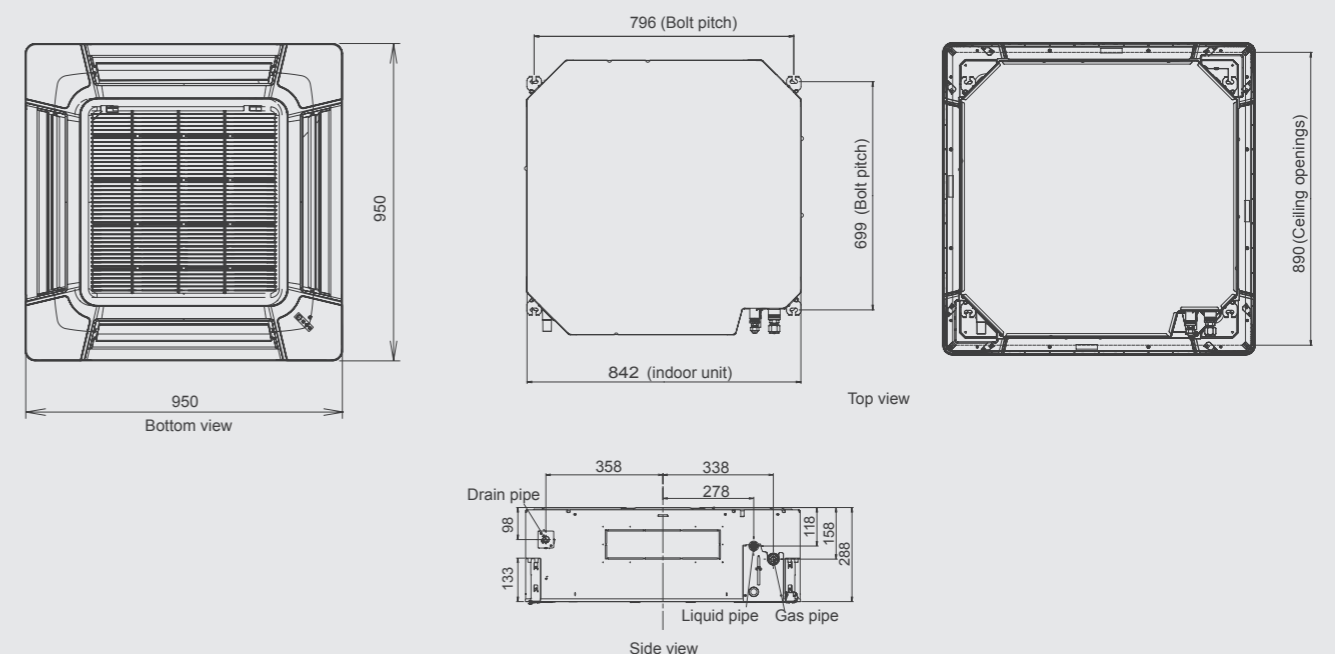
## Specifications

Model No.	Indoor unit		AUYA30LB	AUYA36LB	AUYA36LC	AUYA45LC	AUYA45LC	AUYA54LC	AUYA54LC
	Outdoor unit		AOYA30LF	AOYA36LF	AOYD36LA	AOYA45LC	AOYD45LA	AOYA54LC	AOYD54LA
Power Source	V/∅/Hz		230/1/50	230/1/50	400/3/50	230/1/50	400/3/50	230/1/50	400/3/50
Capacity	Cooling	kW	8.50	10.00	10.00	12.50	12.50	13.3	14.00
	Heating	kW	10.00	11.20	11.20	14.00	14.00	16.0	16.00
Input Power	Cooling/Heating	kW	2.65/2.77	3.12/3.02	2.44/2.56	3.90/3.77	3.54/3.58	4.42/4.69	4.36/4.43
EER - Energy Class	Cooling	W/W	3.21-A	3.21-A	4.10-A	3.21-A	3.53-A	3.01-B	3.21-A
COP - Energy Class	Heating	W/W	3.61-A	3.71-A	4.38-A	3.71-A	3.91-A	3.41-B	3.61-A
Running Current	Cooling/Heating	A	11.6/12.2	13.7/13.3	3.7/3.9	17.0/16.5	5.3/5.3	19.3/20.5	6.5/6.6
Moisture Removal		l/h	2.5	3.5	3.0	4.5	4.5	5.0	5.0
Noise (Indoor)	Cooling	H/M/L/Q	40/38/36/32	43/38/36/32	44/39/36/33	46/42/40/36	46/42/40/36	47/43/41/37	47/43/41/37
	Cooling		53	54	51	55	54	55	55
Airflow Rate (High)	Indoor / Outdoor	m³/h	1600/3600	1800/3800	1800/6200	1900/6750	1900/6900	2000/6750	2000/6900
	Indoor / Grille	mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
Net Dimension H x W x D	Indoor / Grille	mm	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950
	Outdoor	kg(lbs)	26(57)/5.5(12)	26(57)/5.5(12)	27(60)/5.5(12)	27(60)/5.5(12)	27(60)/5.5(12)	27(60)/5.5(12)	27(60)/5.5(12)
Piping Connections (Small / Large)	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
	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
Max Pipe Length (Pre-Charge)	m		50(20)	50(20)	75(30)	50(20)	75(30)	50(20)	75(30)
Height Difference			30	30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15~46	-15~46	-15~46	-15~46	-15~46	-15~46	-15~46
	Heating	°CDB	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Grille			UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W

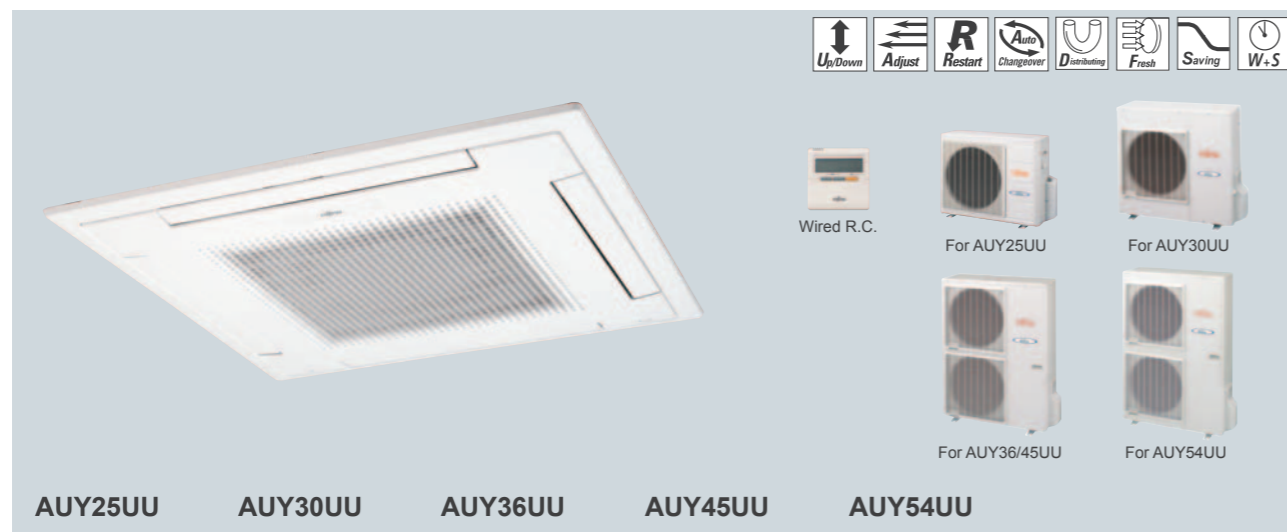
## Dimensions

Models: AUYA30LB / AUYA36LB / AUYA36LC / AUYA45LC / AUYA54LC

(Unit : mm)



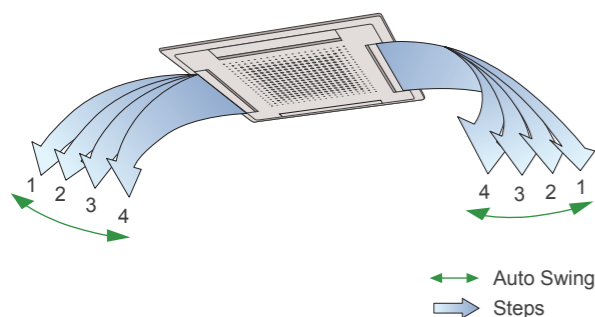
# Cassette



## Comfortable airflow

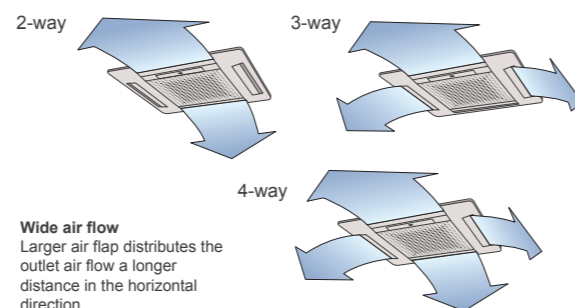
### 4 step swing

Auto air flow direction and auto swing



### 2-4 way air flow system

Select 2-way, 3-way or 4-way air flow to suit your needs.

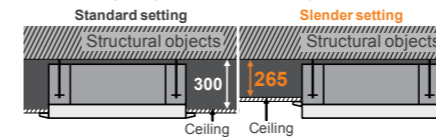


**Wide air flow**  
Larger air flap distributes the outlet air flow a longer distance in the horizontal direction.

## Flexible installation

Installation is done by "Standard setting" with more than 300mm (250mm) of space. "Slender setting" lets it suitable for minimum 265mm (215mm) installation space.

Installation Space (Built-in measurement)



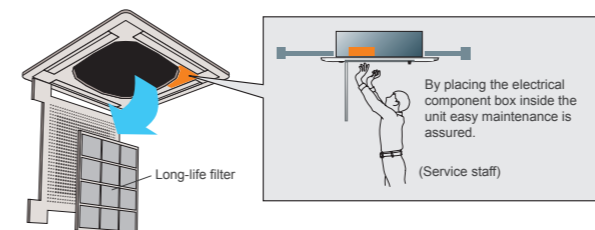
	25UU/30UU	36UU/45UU/54UU
Standard setting	250mm	300mm
Slender setting	215mm	265mm

## Easy maintenance

The control box is easily accessible for maintenance work. Wide opening for easy access.

## Detachable, washable filter and intake grille

Wide opening and long-life filter

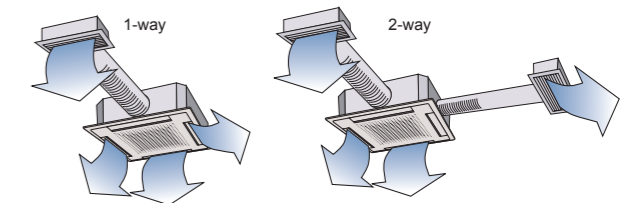


## Long-life filter

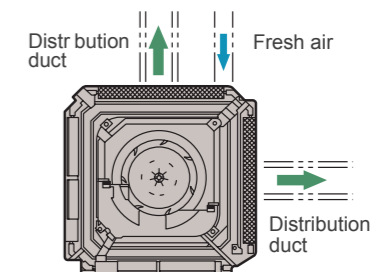
High efficiency, long-life filter extends the cleaning cycle.

## Duct connection hole opening

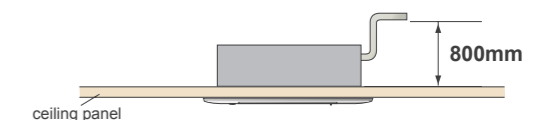
Conditioned air can be distributed by means of a distribution duct



Fresh air can be introduced through this opening



## Condensate pump lift to 800mm

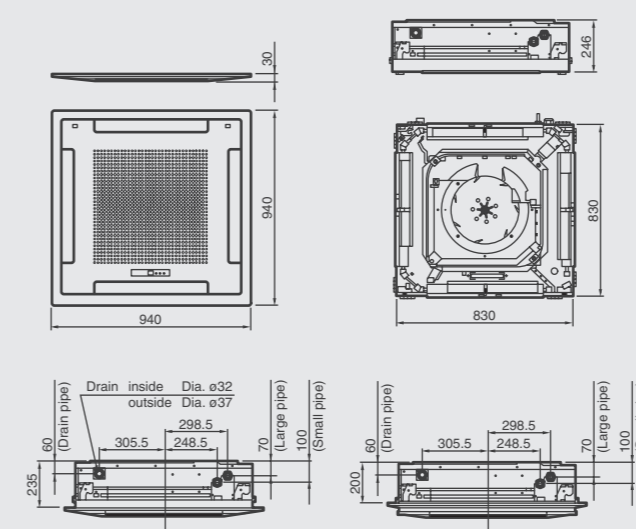


## Specifications

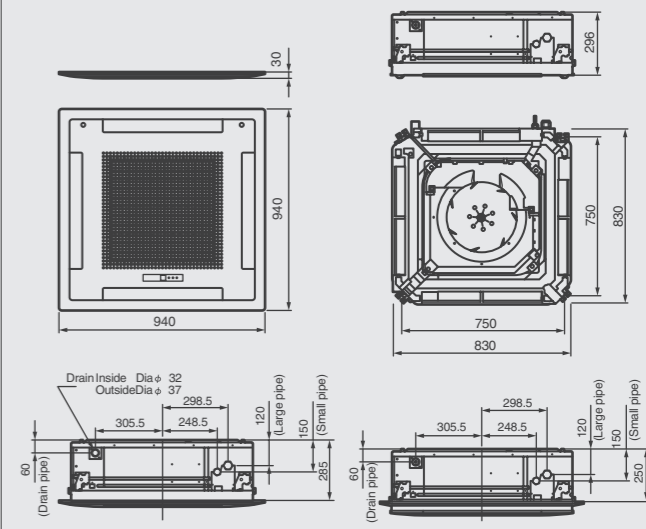
Model No.	Indoor unit		AUY25UU	AUY30UU	AUY36UU	AUY45UU	AUY54UU
	Outdoor unit		AOY25UU	AOY30UU	AOY36UU	AOY45UU	AOY54UU
Power Source	V/Ø/Hz		230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
Capacity	Cooling	kW	7.00	8.40	10.50	12.70	14.50
	Heating	kW	7.80	9.50	11.80	14.30	16.50
Input Power	Cooling/Heating	kW	2.65/2.35	2.95/2.78	3.48/3.65	4.38/4.39	5.16/5.30
EER - Energy Class	Cooling	W/W	2.64-D	2.85-C	3.02-B	2.90	2.81
COP - Energy Class	Heating		3.32-C	3.42-B	3.23-C	3.26	3.11
Running Current	Cooling/Heating	A	11.8/10.5	13.6/13.1	5.9/6.2	7.7/7.7	9.5/9.5
Moisture Removal		l/h	2.5	3.0	4.0	5.0	6.0
Noise (Indoor)	Cooling	H/M/L	44/42/39	46/44/39	48/44/41	49/47/43	52/48/45
Noise (Outdoor)	Cooling		53	53	54	54	54
Airflow Rate (High)	Indoor/Outdoor	m <sup>3</sup> /h	1100/3200	1250/3300	1500/6100	1550/6100	1700/6300
Net Dimension H x W x D	Indoor	mm	246x830x830	246x830x830	296x830x830	296x830x830	296x830x830
	Outdoor	mm	650x830x320	830x900x330	1165x900x330	1165x900x330	1290x900x330
Piping Connections (Small / Large)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/19.05	9.52/19.05
Max Pipe Length (Pre-Charge)		m	25(7.5)	30(7.5)	50(20)	50(20)	50(20)
Height Difference			15	15	30	30	30
Operation Range	Cooling	°CDB	0~43	0~43	0~43	0~43	0~43
	Heating		-7~24	-7~24	-10~24	-10~24	-10~24
Refrigerant			R410A	R410A	R410A	R410A	R410A

## Dimensions

Models: AUY25UU / AUY30UU



Models: AUY36UU / AUY45UU / AUY54UU



# INVERTER Floor/Ceiling Universal



## Flexible installation

### Example for floor installation

Floor console



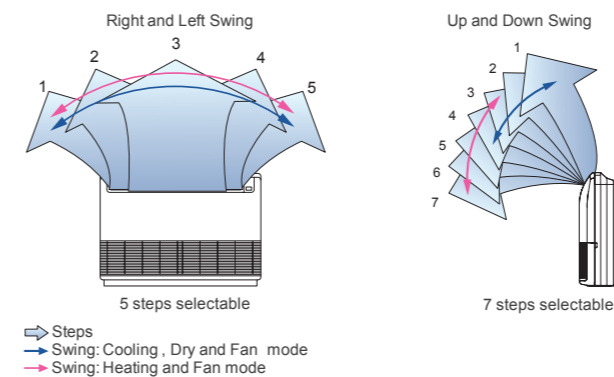
### Example for ceiling installation

Under ceiling

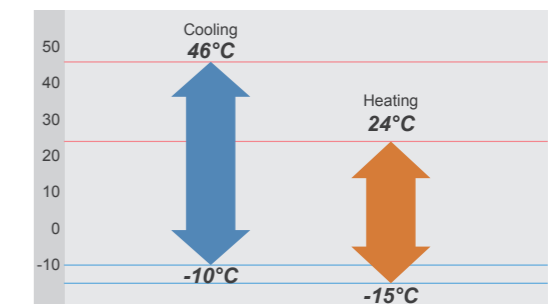


## Double auto swing

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

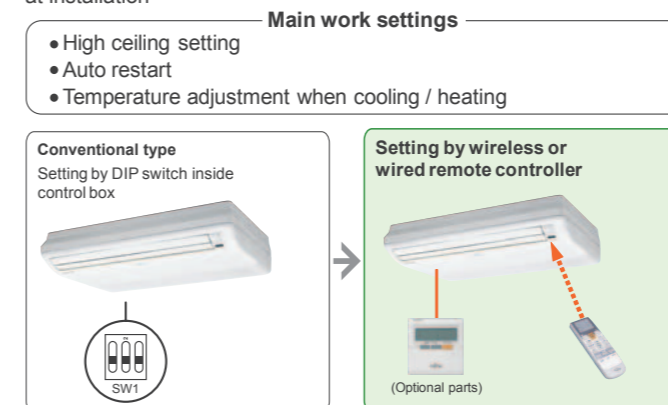


## Low ambient operation



## Easy installation

Main work settings can be done easily from the remote controller at installation



## Optional parts

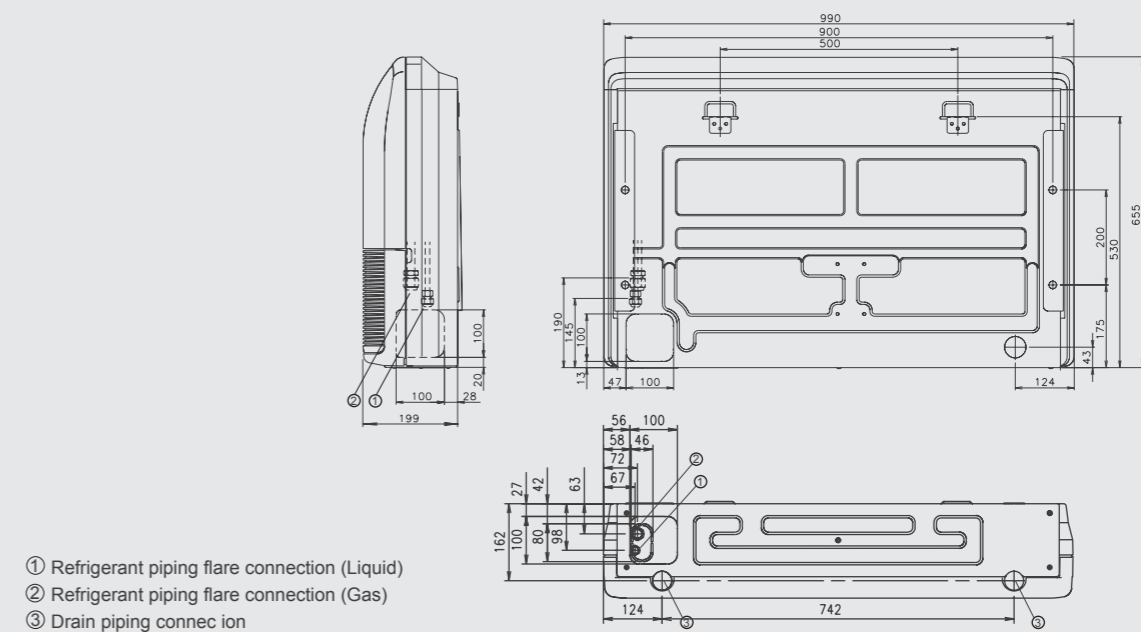
Wired Remote Controller: UTB-YUD  
External Connect Kit: UTY-XWZX  
External Control Set: UTD-ECS5A

## Specifications

Model No.	Indoor unit		ABYF18LB		ABYF24LB	
	Outdoor unit		AOYA18LA		AOYA24LA	
Power Source	V/Ø/Hz		230/1/50		230/1/50	
Capacity	Cooling	kW	5.20		7.10	
	Heating	kW	6.00		8.00	
Input Power	Cooling/Heating	kW	1.62/1.66		2.21/2.21	
EER - Energy Class	Cooling	W/W	3.21-A		3.21-A	
COP - Energy Class	Heating		3.61-A		3.61-A	
Running Current	Cooling/Heating	A	7.1/7.3		9.7/9.7	
Moisture Removal		l/h	2.0		2.7	
Noise (Indoor)	Cooling	H/M/L/Q	43/40/34/31		48/44/40/35	
Noise (Outdoor)	Cooling		50		52	
Airflow Rate (High)	Indoor/Outdoor	m³/h	780/2000		980/2470	
Net Dimension H x W x D	Indoor	mm	199x990x655		199x990x655	
		kg(lbs)	27(60)		27(60)	
	Outdoor	mm	578x790x300		578x790x315	
		kg(lbs)	40(88)		44(97)	
Piping Connections (Small / Large)		mm	6.35/12.70		6.35/15.88	
Drain Pipe Diameter (Inner/Outer)		mm	21.5/26.0		21.5/26.0	
Max Pipe Length (Pre-Charge)		m	25(15)		30(15)	
Height Difference			15		20	
Operation Range	Cooling	°CDB	-10~46		-10~46	
	Heating		-15~24		-15~24	
Refrigerant			R410A		R410A	

## Dimensions Models: ABYF18LB / ABYF24LB

(Unit : mm)



# Floor/Ceiling Universal



## Flexible installation

### Example for floor installation

Floor console



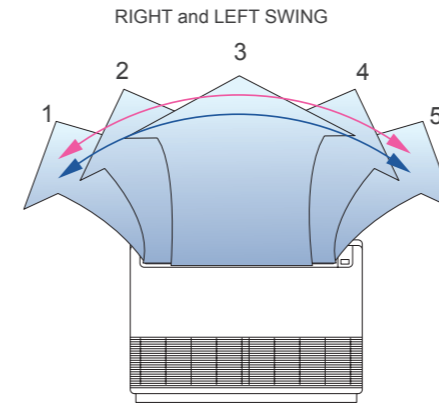
### Example for ceiling installation

Under ceiling

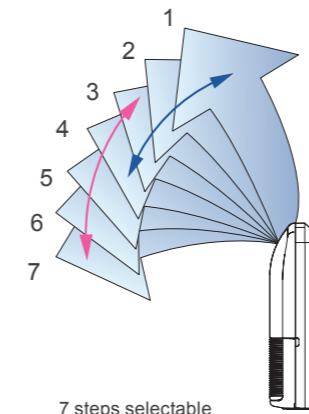


## Double auto swing

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



UP and DOWN SWING



7 steps selectable

## Super vane

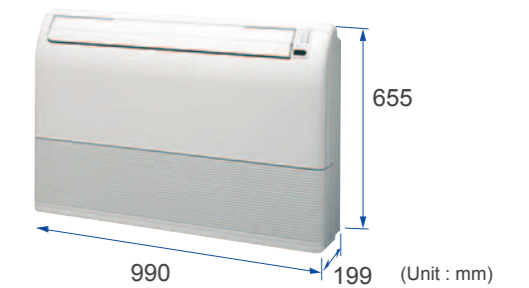
Double Louvre Super vane with newly developed special configuration boosts airflow sending cool air quickly to every corner of the room.

## Auto-closing louvre

When operation is stopped, the louvres will automatically close. (This function is available on all non-ducted models.)

## Compact design

Symmetrical, slim and compact design.

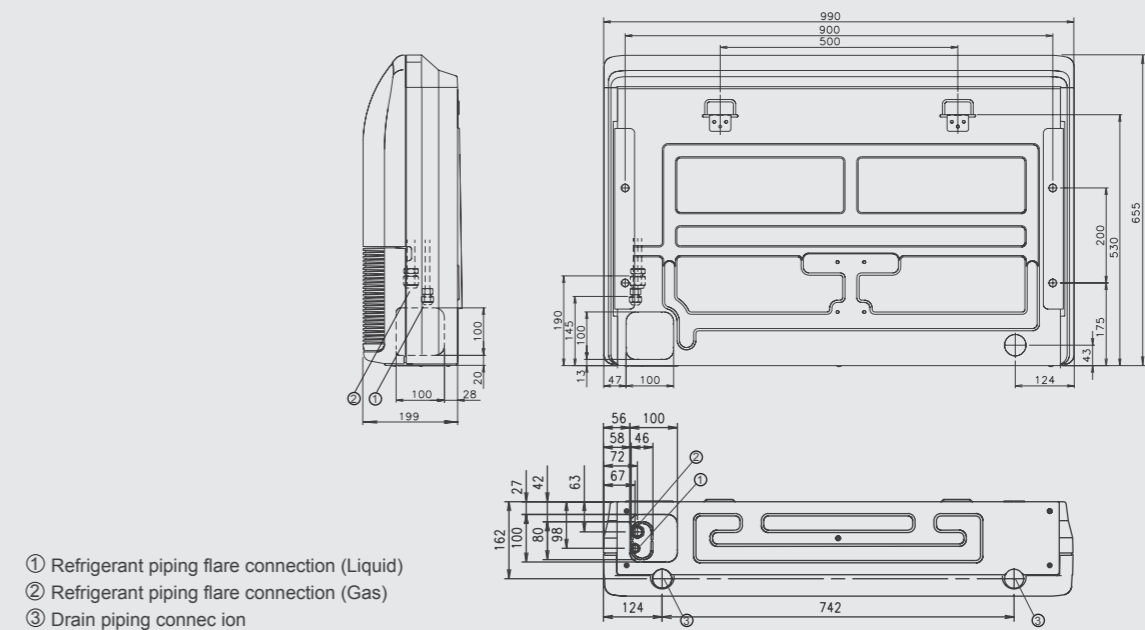


## Specifications

Model No.	Indoor unit		ABY14UB	ABY18UB	ABY24UB
	Outdoor unit		AOY14UB	AOY18UB	AOY24UB
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	4.00	5.40	6.50
	Heating	kW	4.70	6.00	7.40
Input Power	Cooling/Heating	kW	1.42/1.35	1.9/1.85	2.42/2.30
EER - Energy Class	Cooling	W/W	2.82-C	2.84-C	2.69-D
COP - Energy Class	Heating		3.48-B	3.24-C	3.22-C
Running Current	Cooling/Heating	A	6.3/6.0	8.6/8.3	10.8/10.3
Moisture Removal		l/h	1.5	2.0	2.5
Noise (Indoor)	Cooling	H/M/L	40/37/34	46/41/37	49/45/41
	Heating		49	52	53
Airflow Rate (High)	Indoor/Outdoor	m³/h	640/1600	780/3200	880/3200
Net Dimension H x W x D	Indoor	mm	199x990x655	199x990x655	199x990x655
		kg(lbs)	28(62)	28(62)	28(62)
	Outdoor	mm	530x750x250	650x830x320	650x830x320
		kg(lbs)	35(77)	52(115)	59(130)
Piping Connections (Small / Large)		mm	6.35/12.70	6.35/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)		m	15(7.5)	20(7.5)	20(7.5)
Height Difference			8	8	8
Operation Range	Cooling	°CDB	0~43	0~43	0~43
	Heating		-6~24	-6~24	-6~24
Refrigerant			R410A	R410A	R410A

## Dimensions Models: ABY14UB / ABY18UB / ABY24UB


(Unit : mm)



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

# INVERTER Ceiling

Easily concealed in any installation



Single phase

- i-PAM
- Double
- Adjust
- Restart
- Auto Chargeover
- Fresh
- Economy
- Sleep
- Program
- Filter

Wireless R.C. For ABYA30/36LB

For ABYA45LC (For single phase)

For ABYA36/45/54LC (For 3 phase)

CLASS ALL A DC ABYA30LB

CLASS ALL A DC ABYA36LB ABYA36LC

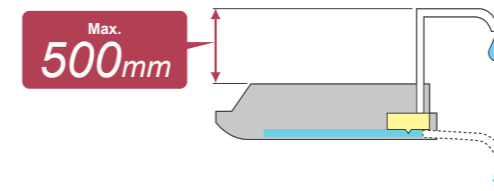
CLASS ALL A DC ABYA45LC

CLASS ALL A DC ABYA54LC

NEW (Single phase)

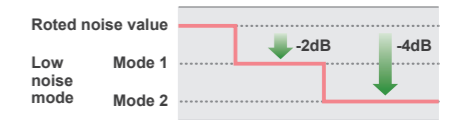
## Condensate lift-up mechanism (Option)

Optional drain lift-up mechanism allows flexible installation.



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

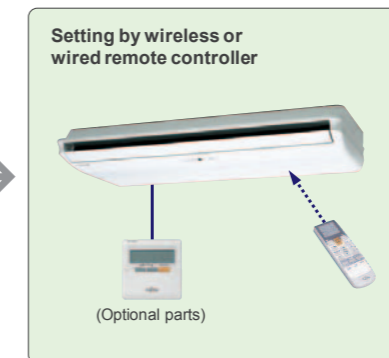
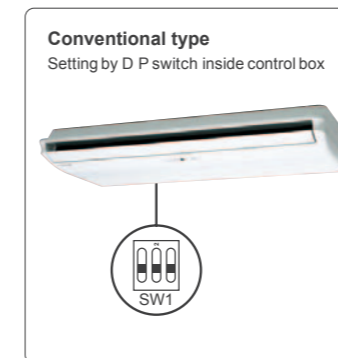
2 stage low noise mode can be selected. (Option)



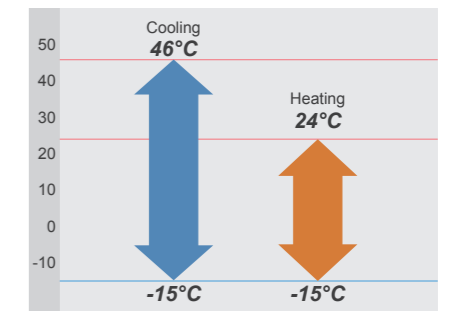
## Easy installation

Main work settings can be done easily from the remote controller at installation

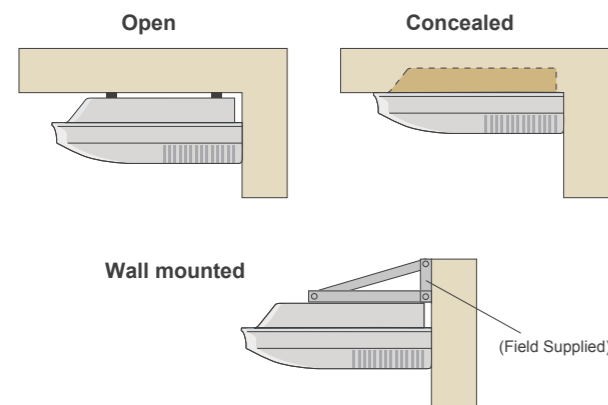
- Main work settings**
- High ceiling setting
  - Auto restart
  - Temperature adjustment when cooling / heating



## Low ambient operation

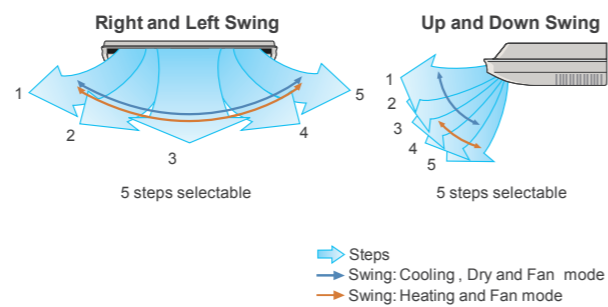


## Installation

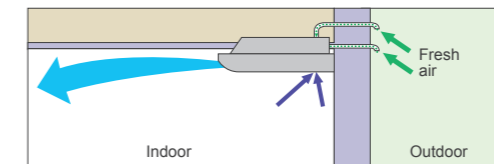


## Multi auto swing

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



## Fresh air intake



## Optional parts

- Wired Remote Controller: UTB-YUD
- Drain Pump Unit: UTR-DPB24T
- External Connect Kit: UTY-XWZX
- External Control Set: UTD-ECS5A

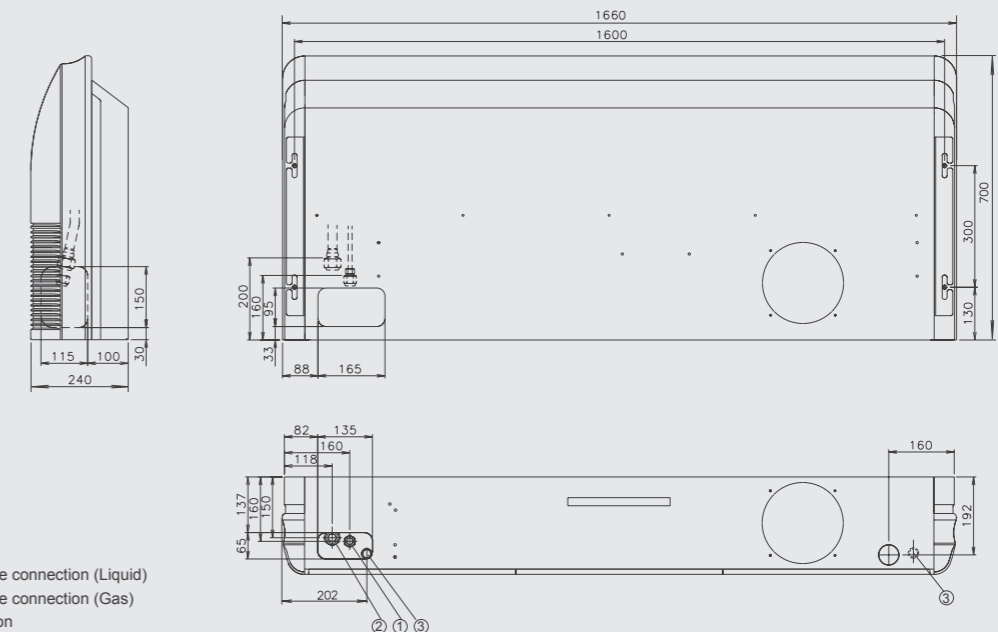
## Specifications

Model No.	Indoor unit		ABYA30LB	ABYA36LB	ABYA36LC	ABYA45LC	ABYA45LC	ABYA54LC
	Outdoor unit		AOYA30LF	AOYA36LF	AOYD36LA	AOYA45LC	AOYD45LA	AOYD54LA
Power Source	V/∅/Hz		230/1/50	230/1/50	400/3/50	230/1/50	400/3/50	400/3/50
Capacity	Cooling	kW	8.50	9.40	10.00	12.00	12.50	14.00
	Heating	kW	10.00	11.20	11.20	13.30	14.00	16.00
Input Power	Cooling/Heating	kW	2.65/2.77	2.93/3.02	2.84/2.87	3.74/3.68	3.89/3.88	4.65/4.67
	Cooling	W/W	3.21-A	3.21-A	3.52-A	3.21-A	3.21-A	3.01-B
EER - Energy Class	Heating	W/W	3.61-A	3.71-A	3.9-A	3.61-A	3.61-A	3.43-B
	Cooling/Heating	A	11.6/12.2	12.8/13.2	4.3/4.4	16.4/16.1	5.8/5.8	6.9/6.9
Moisture Removal	l/h		2.5	3.0	3.0	4.5	4.5	5.0
Noise (Indoor)	Cooling	H/M/L/Q	45/43/37/32	47/43/37/32	47/43/37/32	49/45/39/34	49/45/39/34	51/48/42/38
	Cooling		53	54	51	55	54	55
Airflow Rate (High)	Indoor / Outdoor	m³/h	1660/3600	1900/3800	1900/6200	2100/6750	2100/6900	2300/6900
	Indoor	mm	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700
Net Dimension H x W x D	Indoor	kg(lbs)	46(101)	46(101)	46(101)	46(101)	46(101)	48(106)
	Outdoor	mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
Piping Connections (Small / Large)	mm		61(135)	61(135)	107(236)	88(194)	107(236)	107(236)
	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 Pipe Diameter (Inner/Outer)	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)	75(30)	50(20)	75(30)	75(30)
Height Difference			30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15~46	-15~46	-15~46	-15~46	-15~46	-15~46
	Heating	°CDB	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A

## Dimensions

Models: ABYA30LB / ABYA36LB / ABYA36LC / ABYA45LC / ABYA54LC

(Unit : mm)



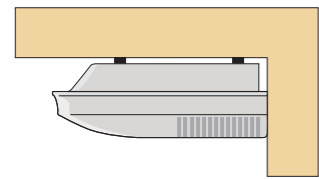


# Ceiling



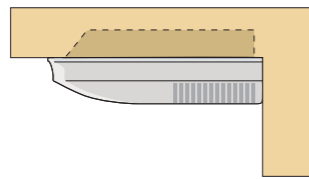
## Installation

Open



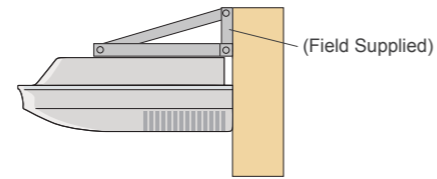
General installation pattern which suspends the indoor unit from the ceiling.

Concealed



Installation pattern where part of the indoor unit is embedded into the ceiling.

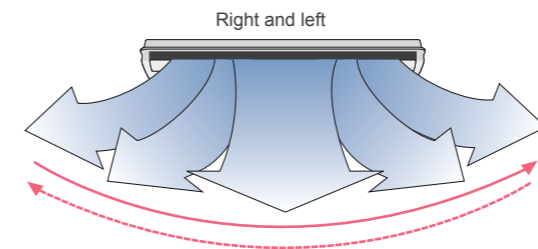
Wall mounted



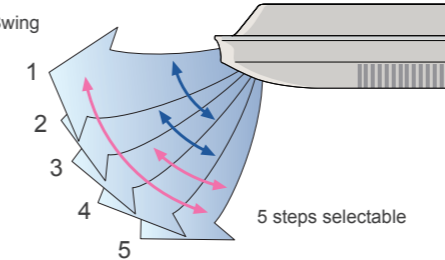
Installation which fixes the indoor unit to the wall by the use of wall brackets (Field supplied). This type of installation can be used when the ceiling space is insufficient.

## Double auto swing and wide airflow

Auto airflow direction and auto swing

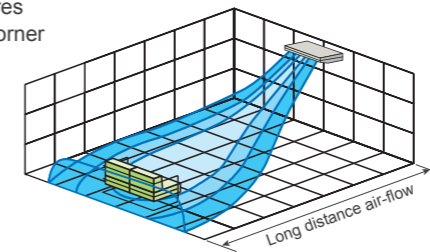


Up and Down Swing



## Long Airflow

Long Airflow ensures comfort to every corner of a large room.

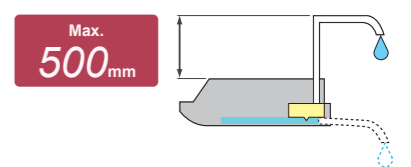


## Slim & Compact design

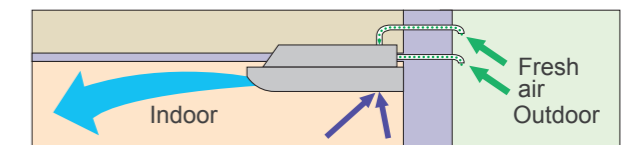


## Condensate lift-up mechanism (Option)

Optional drain lift-up mechanism allows flexible installation.



## Fresh air intake



## Long-life filter

High efficiency long-life filter doubles the life of the filter compared to standard filters.

## Optional parts

Drain Pump Unit: UTR-DPB24T

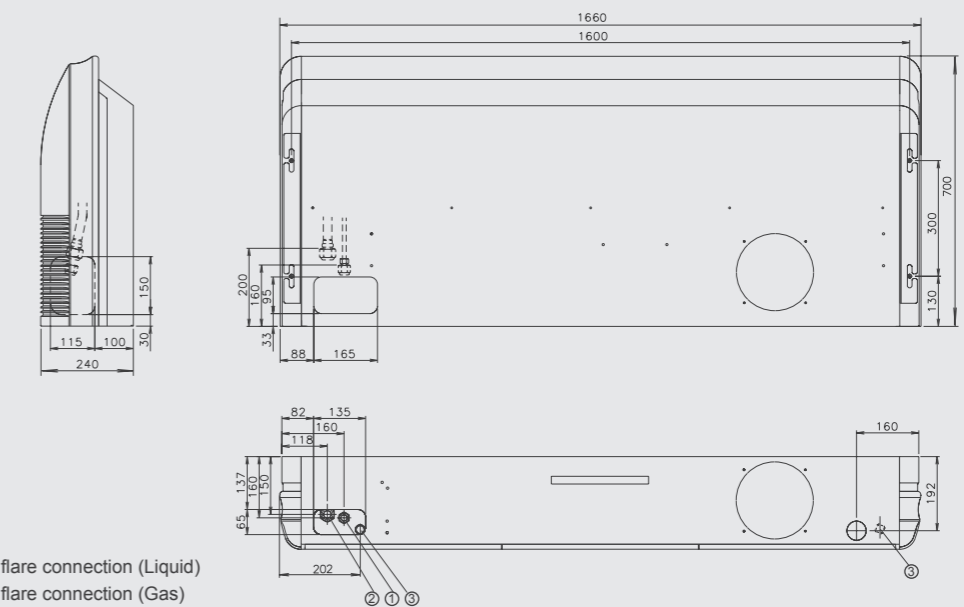
## Specifications

Model No.	Indoor unit		ABY30UB	ABY36UB	ABY45UB	ABY54UB
	Outdoor unit		AOY30UB	AOY36UB	AOY45UB	AOY54UB
Power Source	V/Ø/Hz		230/1/50	400/3/50	400/3/50	400/3/50
Capacity	Cooling	kW	8.40	10.50	12.70	14.50
	Heating	kW	9.50	11.80	14.30	16.50
Input Power	Cooling/Heating		2.95/2.78	3.48/3.45	4.38/4.39	5.16/5.30
EER - Energy Class	Cooling	W/W	2.85-C	3.02-B	2.90	2.81
COP - Energy Class	Heating		3.42-B	3.42-B	3.26	3.11
Running Current	Cooling/Heating		13.6/13.1	5.9/6.2	7.7/7.7	9.5/9.5
Moisture Removal	l/h		3.0	4.0	5.0	6.0
Noise (Indoor)	Cooling	H/M/L	42/39/35	45/42/37	48/46/41	52/50/46
Noise (Outdoor)	Cooling		53	54	54	54
Airflow Rate (High)	Indoor/Outdoor		1450/3300	1660/6100	1850/6100	2200/6300
Net Dimension H x W x D	Indoor	mm	240x1660x700	240x1660x700	240x1660x700	240x1660x700
		kg(lbs)	48(106)	48(106)	48(106)	48(106)
	Outdoor	mm	830x900x330	1165x900x330	1165x900x330	1290x900x330
		kg(lbs)	69(152)	94(207)	113(249)	118(260)
Piping Connections (Small / Large)	mm		9.52/15.88	9.52/15.88	9.52/19.05	9.52/19.05
Max Pipe Length (Pre-Charge)	m		30(7.5)	50(20)	50(20)	50(20)
Height Difference			15	30	30	30
Operation Range	Cooling	°CDB	0~43	0~43	0~43	0~43
	Heating		-7~24	-10~24	-10~24	-10~24
Refrigerant			R410A	R410A	R410A	R410A

## Dimensions

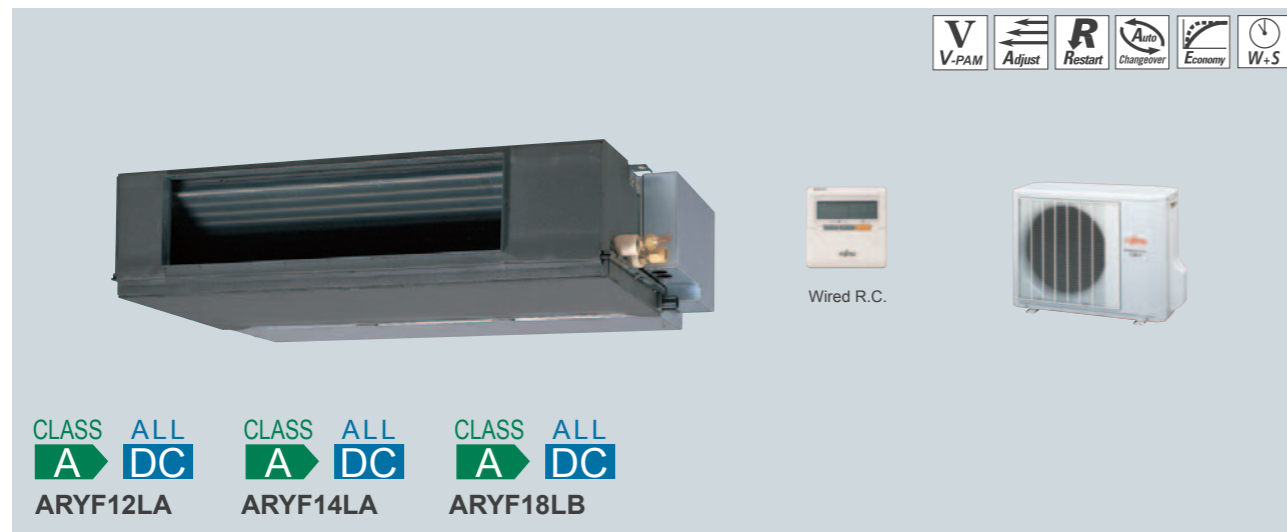
Models: ABY30UB / ABY36UB / ABY45UB / ABY54UB

(Unit : mm)



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

# INVERTER Compact Duct

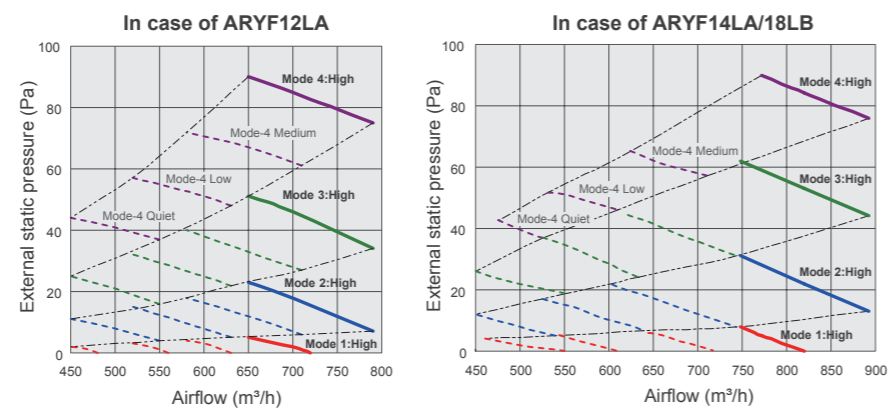


## Static pressure mode setting

Static pressure mode can be selected from 4 modes, to meet wide-ranging installation conditions.

### Static pressure range (High speed mode)

ARYF12LA/14LA/18LB 0 to 90 Pa

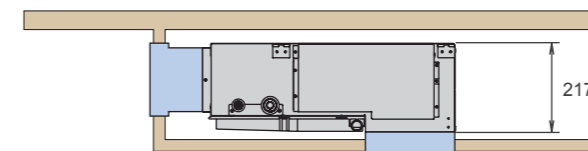


## Specifications

Model No.	Indoor unit		ARYF12LA	ARYF14LA	ARYF18LB
	Outdoor unit		AOYA12LA	AOYA14LA	AOYA18LA
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	3.50	4.30	5.20
	Heating	kW	4.10	5.00	6.00
Input Power	Cooling/Heating		1.05/1.11	1.33/1.34	1.62/1.66
EER - Energy Class	Cooling		3.33-A	3.21-A	3.21-A
COP - Energy Class	Heating		3.69-A	3.71-A	3.61-A
Running Current	Cooling/Heating		4.6/4.9	5.8/5.9	7.1/7.3
Moisture Removal	l/h		1.3	1.5	2.0
Noise (Indoor)	Cooling	H/M/L/Q	32/30/28/26	33/31/29/27	33/31/29/27
Noise (Outdoor)	Cooling		47	49	50
Airflow Rate (High)	Indoor/Outdoor		720/1780	870/1910	820/2000
Net Dimension H x W x D	Indoor	mm	217x953x595	217x953x595	217x953x595
		kg(lbs)	23(51)	23(51)	23(51)
	Outdoor	mm	578x790x300	578x790x300	578x790x300
		kg(lbs)	40(88)	40(88)	40(88)
Piping Connections (Small / Large)	mm		6.35/9.52	6.35/12.70	6.35/12.70
Drain Pipe Diameter (Inner/Outer)	mm		21.5/26.0	21.5/26.0	21.5/26.0
Max Pipe Length (Pre-Charge)	m		25(15)	25(15)	25(15)
Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10~46	-10~46	-10~46
	Heating	°CDB	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A

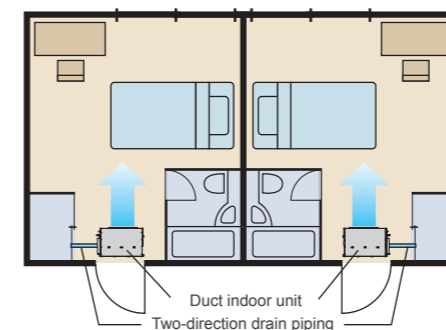
## Compact design

Ultra-slim duct air conditioner for easy installation



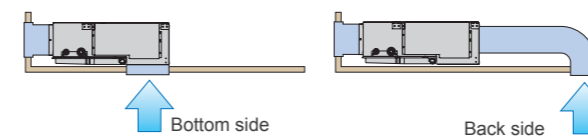
Slim size (217mm) allows installation even where the space behind the ceiling is narrow.

## Two-direction drain piping

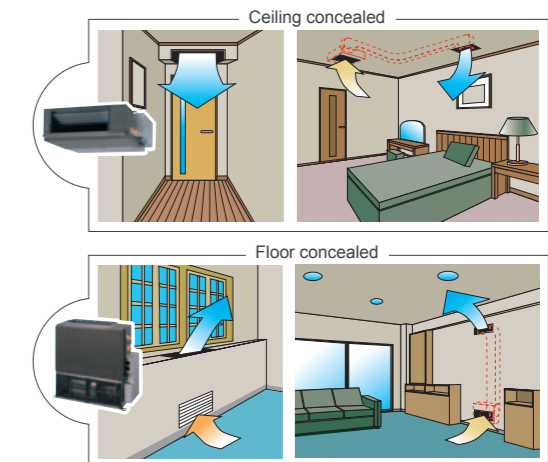


## Air-intake

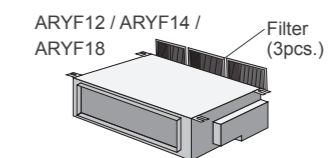
Air intake direction can be selected to match the installation site.



## Flexible installation



## Filter (Accessory)



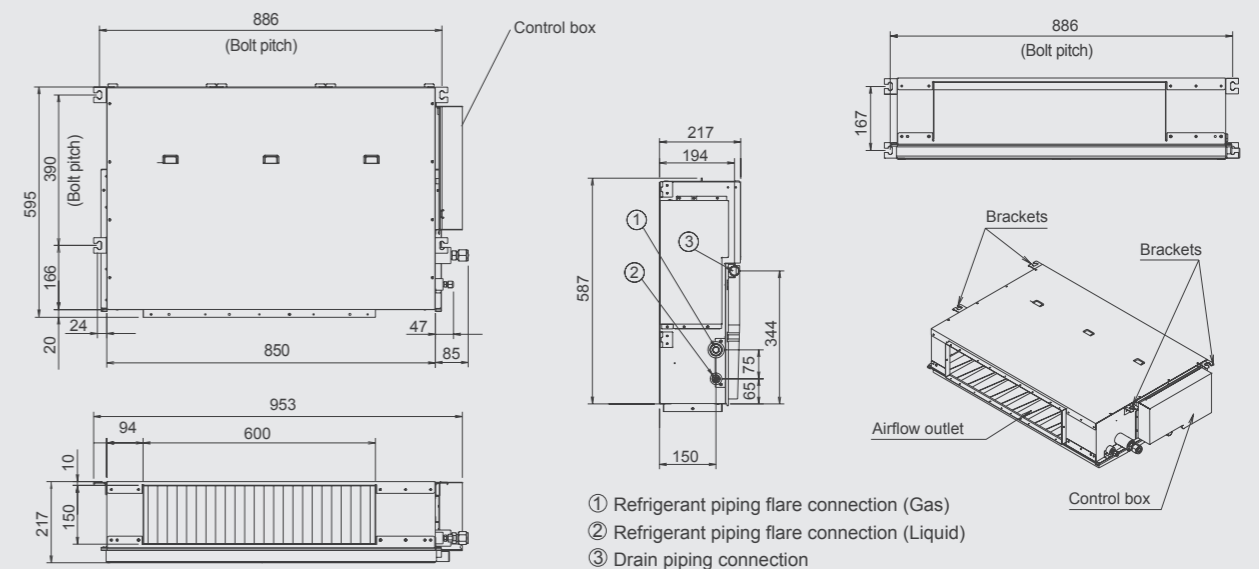
## Optional parts

Remote Sensor Unit: UTD-RS100 / UTY-XSZX  
 IR Receiver Unit: UTY-LRHY1  
 Drain Pump Unit: UTZ-PX1BBA  
 External Control Set: UTD-ECS5A

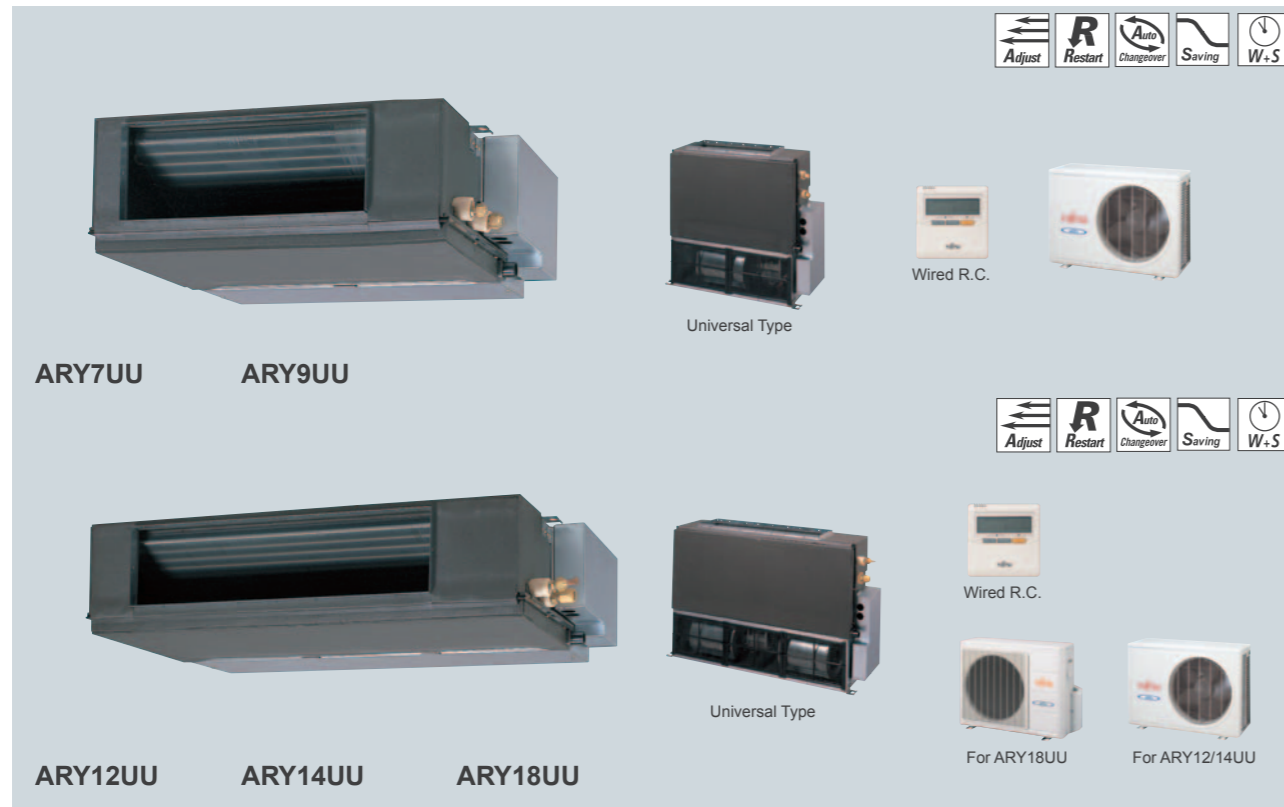
## Dimensions Models: ARYF12LA / ARYF14LA / ARYF18LB

(Unit : mm)

\*Service accessibility must be allowed for when installing the product.  
 Please consult the installation manual for the necessary service access size.



# Compact Duct



## Optional function for comfort

### Optional parts

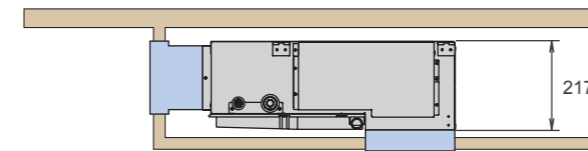


## Specifications

Model No.	Indoor unit		ARY7UU	ARY9UU	ARY12UU	ARY14UU	ARY18UU	
	Outdoor unit		AOY7UU	AOY9UU	AOY12UU	AOY14UU	AOY18UU	
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	
Capacity	Cooling	kW	2.15	2.70	3.50	4.00	5.40	
	Heating	kW	2.45	3.10	4.00	4.70	6.00	
Input Power	Cooling/Heating		kW	0.76/0.76	0.96/0.96	1.24/1.21	1.42/1.35	1.92/1.87
EER - Energy Class	Cooling		W/W	2.83-C	2.81-C	2.82-C	2.82-C	2.81-C
COP - Energy Class	Heating			3.22-C	3.23-C	3.31-C	3.48-B	3.21-C
Running Current	Cooling/Heating		A	3.6/3.6	4.4/4.5	5.5/5.4	6.3/6.0	8.8/8.7
Moisture Removal			l/h	0.8	1.0	1.2	1.5	1.6
Noise (Indoor)	Cooling	H/M/L	dB(A)	31/28/26	35/33/31	29/28/27	34/32/30	43/40/36
	Cooling			48	48	49	49	52
Airflow Rate (High)	Indoor/Outdoor		m³/h	340/1600	420/1600	500/1600	640/1600	1000/3200
Net Dimension H x W x D	Indoor	mm		217x663x595	217x663x595	217x953x595	217x953x595	217x953x595
		kg(lbs)		18(40)	18(40)	25(55)	25(55)	25(55)
	Outdoor	mm		530x750x250	530x750x250	530x750x250	530x750x250	650x830x320
		kg(lbs)		28(62)	30(66)	34(75)	35(77)	52(115)
Piping Connections (Small / Large)			mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.70	6.35/15.88
Max Pipe Length			m	15	15	15	15	20
Height Difference				8	8	8	8	8
Operation Range	Cooling	°CDB		0~43	0~43	0~43	0~43	0~43
	Heating			-6~24	-6~24	-6~24	-6~24	-6~24
Refrigerant				R410A	R410A	R410A	R410A	R410A

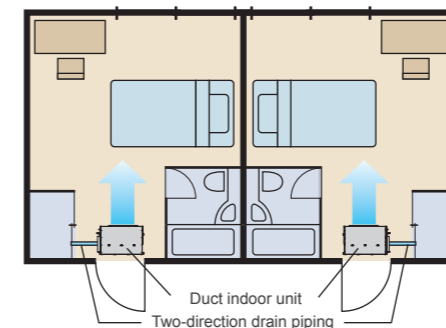
## Compact design

Ultra-slim duct air conditioner for easy installation



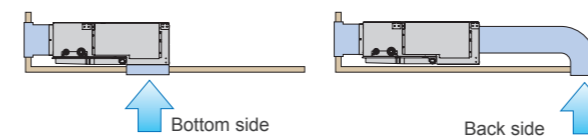
Slim size (217mm) allows installation even where the space behind the ceiling is narrow.

## Two-direction drain piping

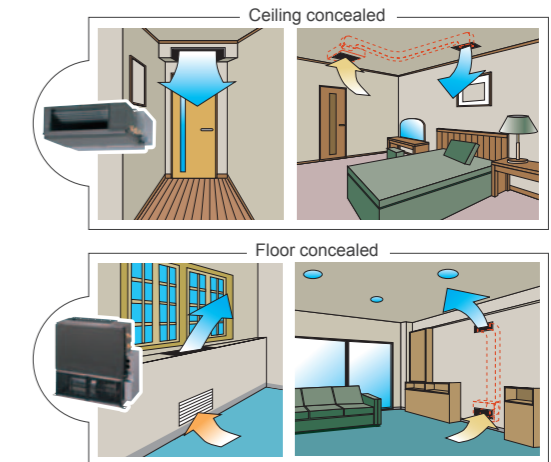


## Air-intake

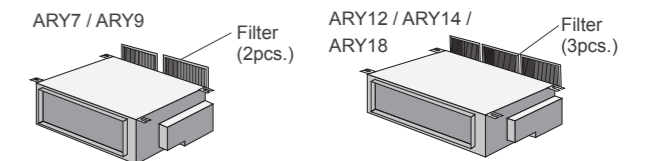
Air intake direction can be selected to match the installation site.



## Flexible installation



## Filter (Accessory)



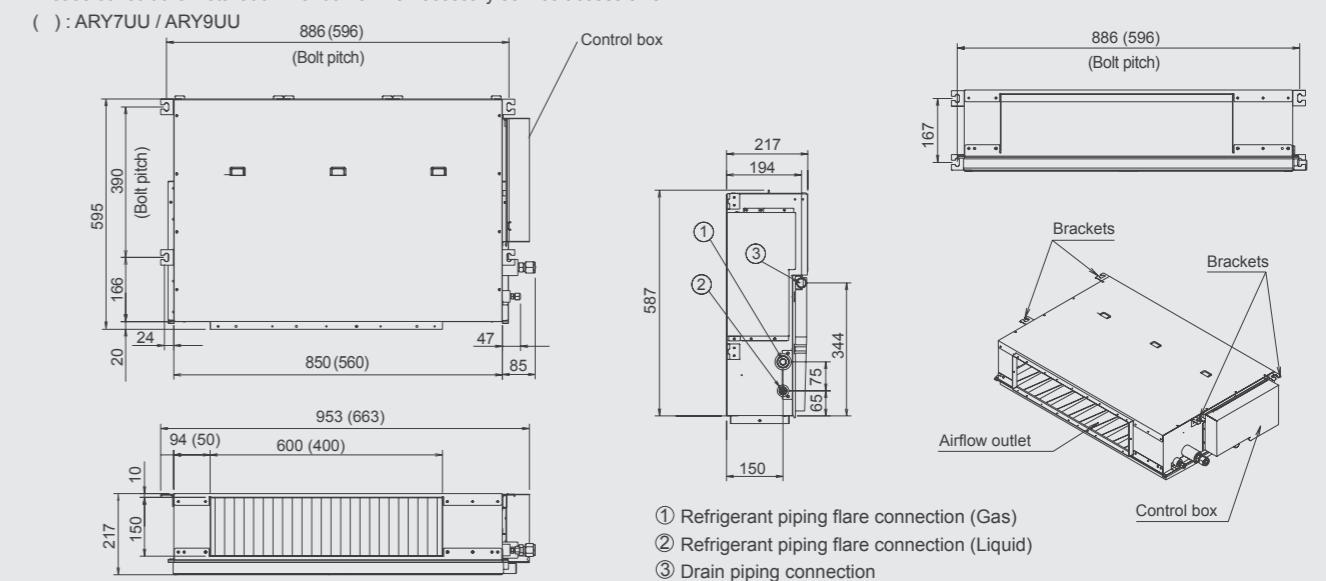
## Optional parts

Remote Sensor Unit: UTD-RS100 / UTY-XSZX  
 IR Receiver Unit: UTY-LRJY1  
 Drain Pump Unit: UTZ-PX1BBA

## Dimensions Models: ARY7UU / ARY9UU / ARY12UU / ARY14UU / ARY18UU

(Unit : mm)

\*Service accessibility must be allowed for when installing the product.  
 Please consult the installation manual for the necessary service access size.



# INVERTER Duct



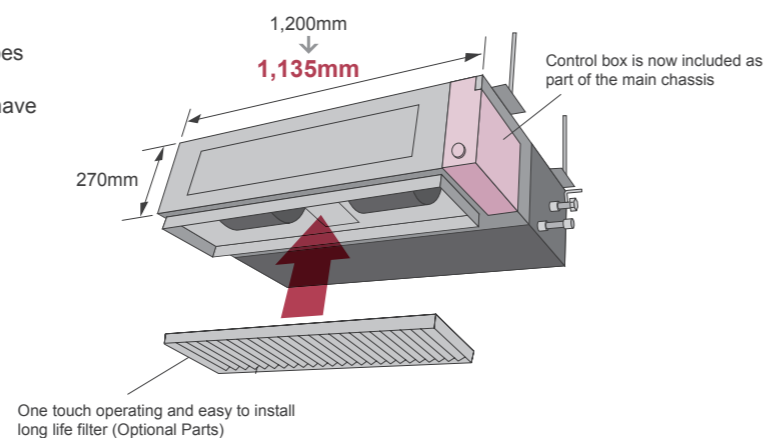
**V-PAM** (24)  
**i-PAM** (30/36/45)  
 Single phase  
**Adjust**  
**R** Restart  
**Auto** Changeover  
**D** Distributing  
**Fresh**  
**Economy**  
**W+S**

Wired R.C.  
 For ARYF24LB  
 For ARYA30/36LB  
 For ARYA45LC (For single phase)  
 For ARYA36/45LC (For 3 phase)

**CLASS ALL A DC** ARYF24LB  
**CLASS ALL A DC** ARYA30LB  
**CLASS ALL A DC** ARYA36LB ARYA36LC  
**CLASS ALL A DC** ARYA45LC  
**NEW** (Single phase)

## Slim & Compact design

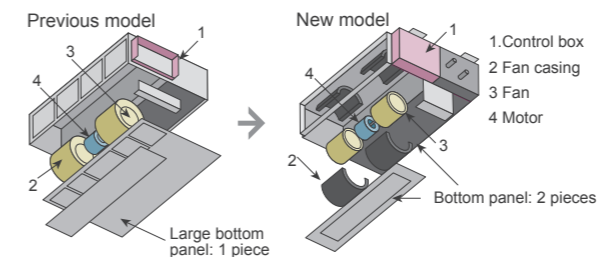
In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270mm, Further space savings have been achieved by mounting the electrical control box internally inside the chassis.



## 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

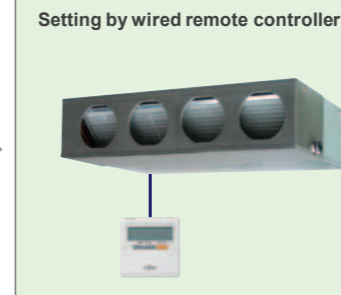
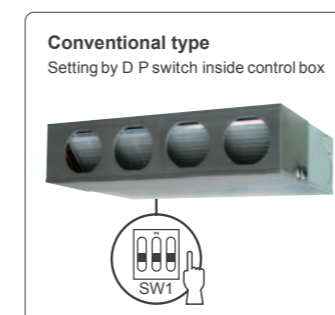


## Easy installation

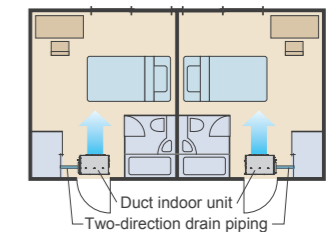
Main work settings can be done easily from the remote controller at installation

### Main work settings

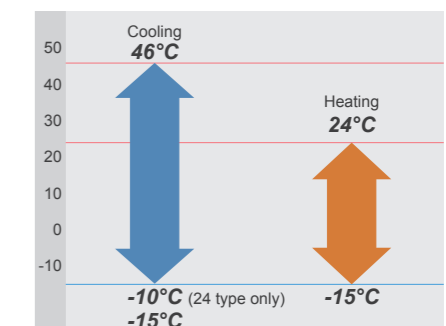
- High ceiling setting
- Auto restart
- Temperature adjustment when cooling / heating



## Two-direction drain piping



## Low ambient operation



## Optional parts

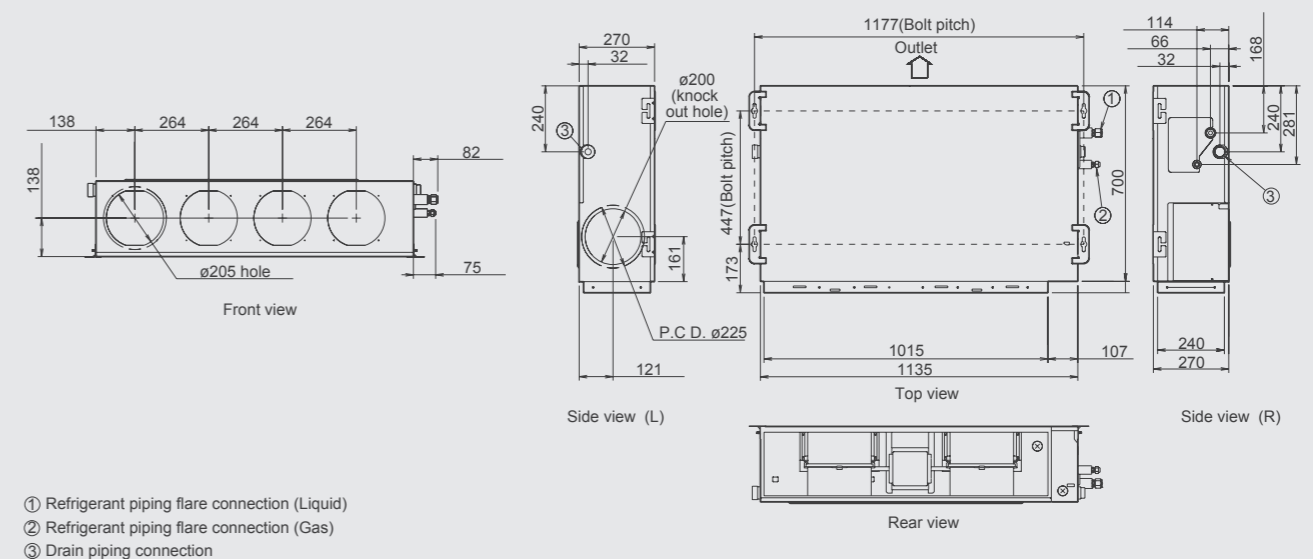
- Flange (Round): UTD-RF204
- Flange (Square): UTD-SF045T
- Long Life Filter: UTD-LF25NA
- Remote Sensor Unit: UTD-RS100 / UTY-XSZX
- External Connect Kit: UTY-XWZXZ2
- External Control Set: UTY-ECS5A
- Drain Pump Unit: UTY-PX1NBA
- IR Receiver Unit: UTY-LRHY1

## Specifications

Model No.	Indoor unit		ARYF24LB	ARYA30LB	ARYA36LB	ARYA36LC	ARYA45LC	ARYA45LC
	Outdoor unit		AOYA24LA	AOYA30LF	AOYA36LF	AOYD36LA	AOYA45LC	AOYD45LA
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	400/3/50	230/1/50	400/3/50
Capacity	Cooling	kW	7.10	8.50	9.40	10.00	12.00	12.50
	Heating	kW	8.00	10.00	11.20	11.20	13.30	14.00
Input Power	Cooling/Heating	kW	2.21/2.21	2.65/2.68	2.93/3.1	2.84/2.87	3.74/3.68	3.89/3.88
EER - Energy Class	Cooling	W/W	3.21-A	3.21-A	3.21-A	3.52-A	3.21-A	3.21-A
COP - Energy Class	Heating		3.61-A	3.73-A	3.61-A	3.90-A	3.61-A	3.61-A
Running Current	Cooling/Heating	A	9.7/9.7	11.6/11.7	12.8/13.6	4.3/4.4	16.4/16.1	5.8/5.8
Moisture Removal		l/h	2.5	2.5	3.0	3.0	4.5	4.5
Noise (Indoor)	Cooling	H/M/L/Q	31/29/27/25	42/37/32/29	42/37/32/29	40/36/31/26	42/38/32/28	42/38/32/28
Noise (Outdoor)	Cooling		52	53	54	51	55	54
Airflow Rate (High)	Indoor / Outdoor	m <sup>3</sup> /h	1100/2470	2100/3600	2100/3800	1850/6200	2100/6750	2100/6900
Net Dimension H x W x D	Indoor	mm	270x1135x700	270x1135x700	270x1135x700	270x1135x700	270x1135x700	270x1135x700
		kg(lbs)	38(84)	40(88)	40(88)	40(88)	40(88)	40(88)
	Outdoor	mm	578x790x315	830x900x330	830x900x330	1290x900x330	1290x900x330	1290x900x330
		kg(lbs)	44(97)	61(135)	61(135)	107(236)	88(194)	107(236)
Piping Connections (Small / Large)		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
Drain Pipe Diameter (Inner/Outer)		mm	36.0/38.0	36.0/38.0	36.0/38.0	36.0/38.0	36.0/38.0	36.0/38.0
Max Pipe Length(Pre-Charge)		m	30(15)	50(20)	50(20)	75(30)	50(20)	75(30)
Height Difference			20	30	30	30	30	30
	Operation Range	°CDB	-10~46	-15~46	-15~46	-15~46	-15~46	-15~46
Refrigerant	Cooling		-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
	Heating							
			R410A	R410A	R410A	R410A	R410A	R410A

## Dimensions Models: ARYF24LB / ARYA30LB / ARYA36LB / ARYA36LC / ARYA45LC

(Unit : mm)

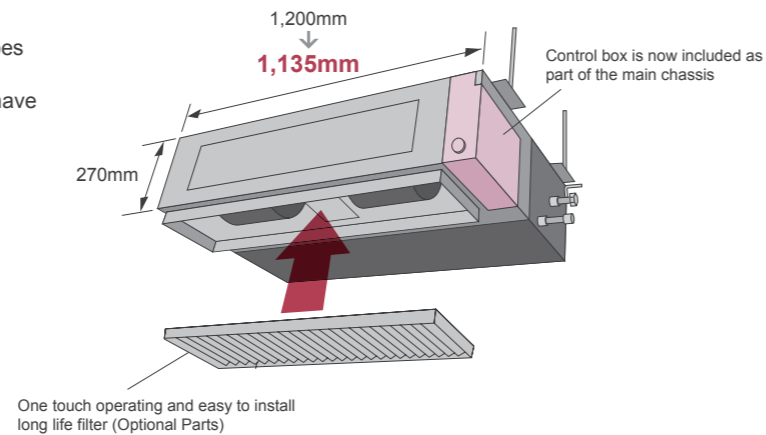


# Duct

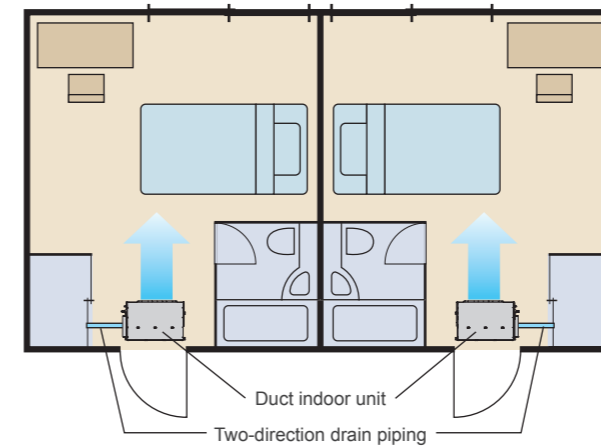


## Slim & Compact design

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 270mm, Further space savings have been achieved by mounting the electrical control box internally inside the chassis.

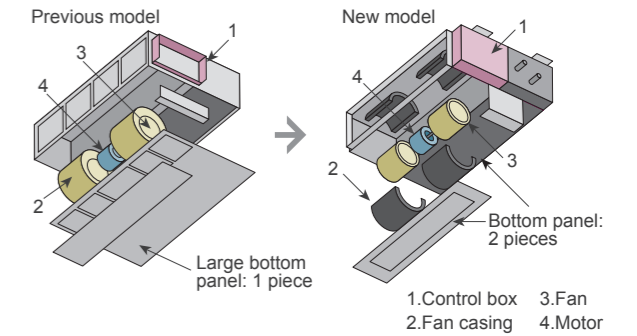


## Two-direction drain piping



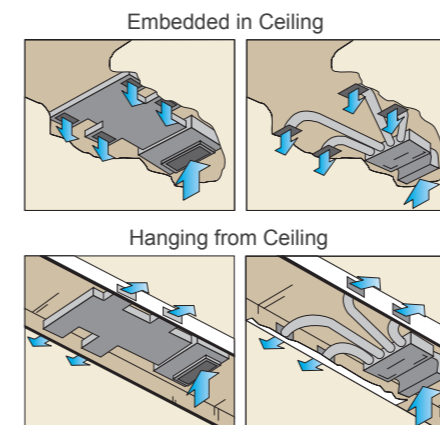
## Easy maintenance

See below for the case of rear suction type



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.

## Installation styles



## Optional parts

- Remote Sensor Unit: UTD-RS100 / UTY-XSZX
- Drain Pump Unit: UTZ-PX1NBA
- External Control Set: UTD-ECS5A

## Specifications

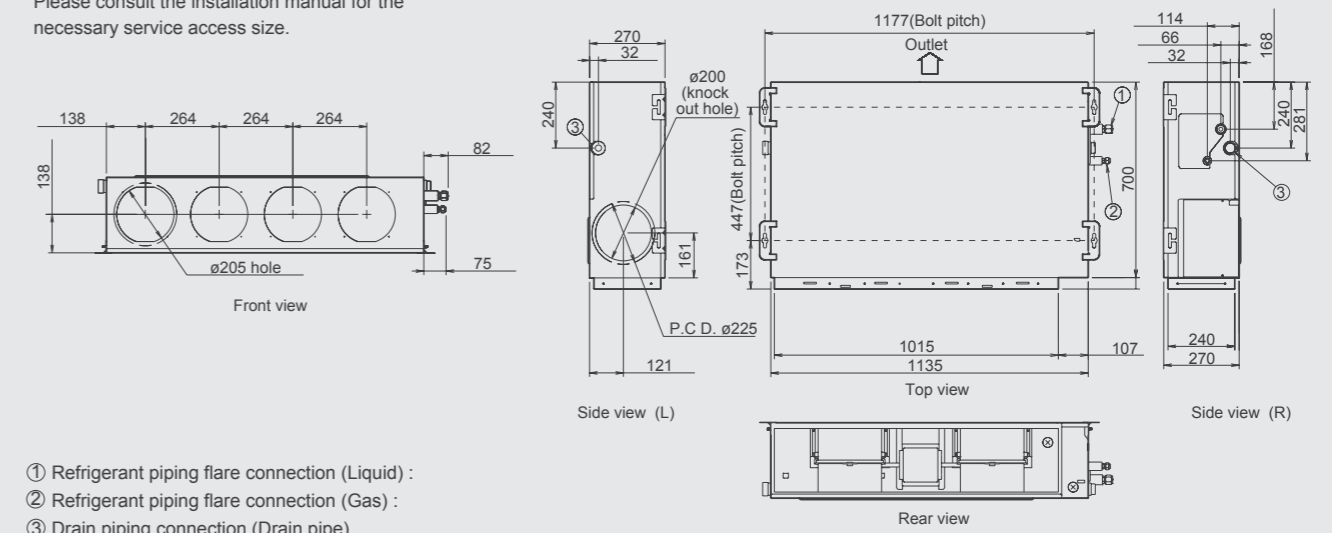
Model No.	Indoor unit		ARY25UU	ARY30UU	ARY36U(1)	ARY36UU	ARY45UU
	Outdoor unit		AOY25UU	AOY30UU	AOY36UU(1)	AOY36UU	AOY45UU
Power Source	V/Ø/Hz		230/1/50	230/1/50	230/1/50	400/3/50	400/3/50
Capacity	Cooling	kW	7.00	8.40	10.50	10.50	12.70
	Heating	kW	7.70	9.50	12.70	12.70	14.30
Input Power	Cooling/Heating	kW	2.65/2.33	2.99/2.63	3.60/3.65	3.60/3.65	4.38/4.39
EER - Energy Class	Cooling	W/W	2.64-D	2.81-C	2.92-C	2.92-C	2.90
COP - Energy Class	Heating		3.30-C	3.61-A	3.48-B	3.48-B	3.26
Running Current	Cooling/Heating	A	11.8/10.5	14.0/12.4	16.0/16.5	6.1/6.2	7.7/7.7
Moisture Removal		l/h	2.5	3.0	3.5	3.5	5.0
Noise (Indoor)	Cooling	H/M/L	38/36/34	40/38/36	43/41/39	43/41/39	44/42/40
	Heating		53	53	54	54	54
Airflow Rate (High)	Indoor/Outdoor	m³/h	1100/3200	1400/3300	1750/6100	1750/6100	1800/6100
Net Dimension H x W x D	Indoor	mm	270x1135x700	270x1135x700	270x1135x700	270x1135x700	270x1135x700
	Outdoor	kg(lbs)	43(95)	43(95)	43(95)	43(95)	45(99)
Piping Connections (Small / Large)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/19.05
Max Pipe Length (Pre-Charge)		m	25(7.5)	30(7.5)	50(20)	50(20)	50(20)
Height Difference			15	15	30	30	30
Operation Range	Cooling	°CDB	0~43	0~43	0~43	0~43	0~43
	Heating		-7~24	-7~24	-10~24	-10~24	-10~24
Refrigerant			R410A	R410A	R410A	R410A	R410A

## Dimensions

Models: ARY25UU / ARY30UU / ARY36U(1) / ARY36UU / ARY45UU

(Unit : mm)

\*Service accessibility must be allowed for when installing the product. Please consult the installation manual for the necessary service access size.



# INVERTER High Static Pressure Duct

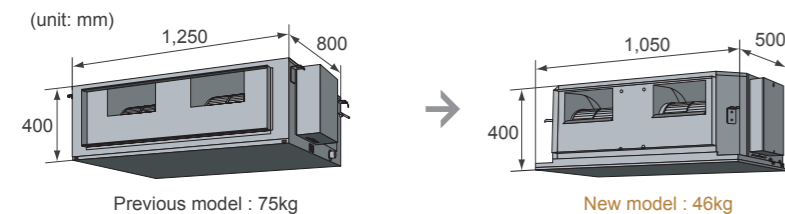


## Easy installation (Compact size & Lightweight)

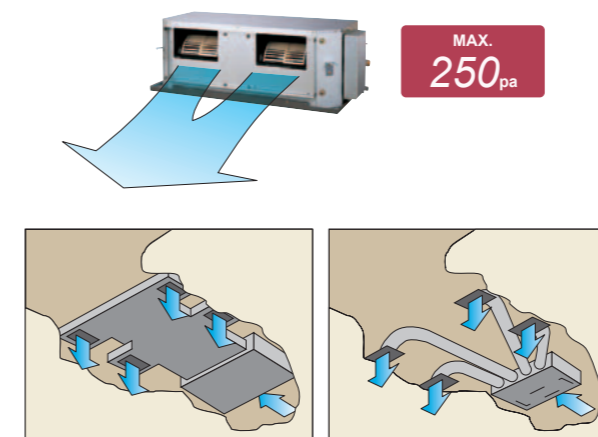
A compact size and lightweight indoor unit has been developed by reducing the basic chassis and the overall material weight.

Volume **47.5%** down

Weight **40%** down



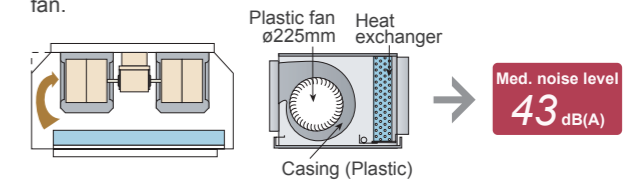
## Design also corresponding to high static pressure



## Low noise

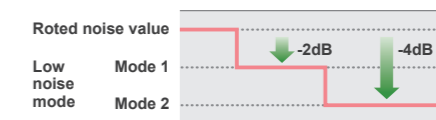
### Indoor unit

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



### Outdoor unit

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



## Easy installation & maintenance

- 4 directions piping connection
- Error & operating information are explained by LED display.

## Optional parts

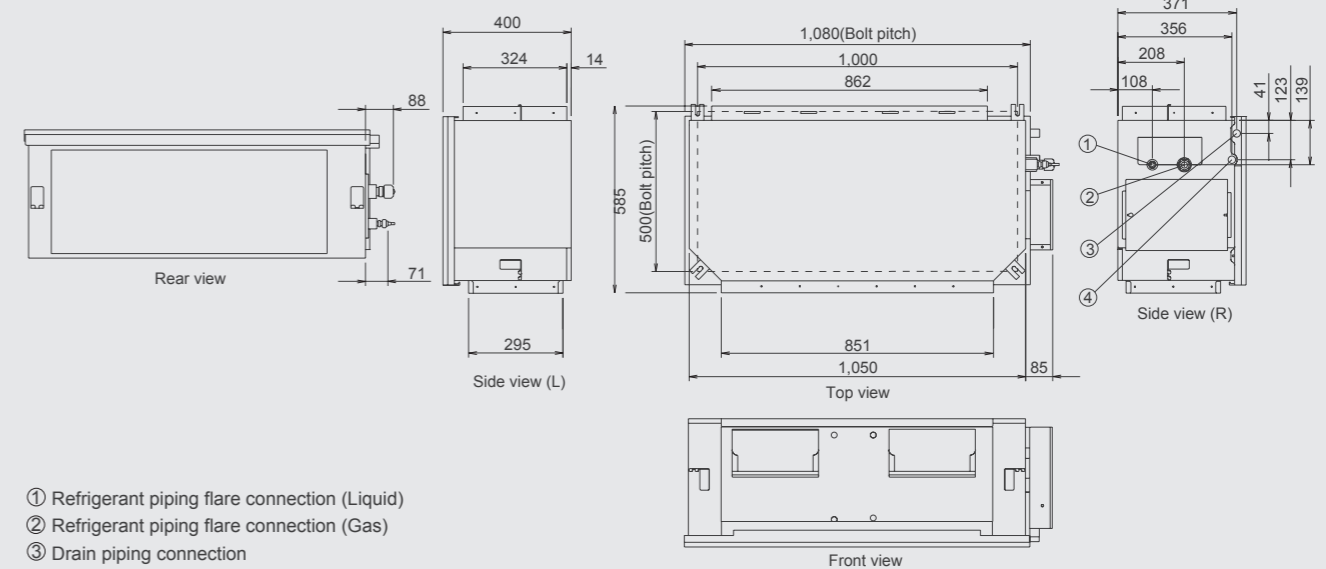
Long-Life Filter:	UTD-LF60KA
External Connect Kit:	UTY-XWZXZ2
External Control Set:	UTD-ECS5A
IR Receiver Unit:	UTY-LRHY1

## Specifications

Model No.	Indoor unit		ARYC45LC	ARYC45LC	ARYC54LC	ARYC54LC
	Outdoor unit		AOYA45LC	AOYD45LA	AOYA54LC	AOYD54LA
Power Source	V/Ø/Hz		230/1/50	400/3/50	230/1/50	400/3/50
Capacity	Cooling	kW	12.50	12.50	13.40	14.00
	Heating	kW	14.00	14.00	16.00	16.00
Input Power	Cooling/Heating	kW	4.30/3.80	4.06/3.67	4.77/4.69	4.65/4.37
EER - Energy Class	Cooling	W/W	2.91-C	3.08-B	2.81-C	3.01-B
COP - Energy Class	Heating		3.68-A	3.81-A	3.41-B	3.66-A
Running Current	Cooling/Heating	A	18.9/16.7	6.1/5.5	20.9/20.5	6.9/6.5
Moisture Removal		l/h	1.5	1.5	2.5	2.5
Noise (Indoor)	Cooling	H/M/L	47/43/40	47/43/40	47/43/40	47/43/40
	Heating		55	54	55	55
Airflow Rate (High)	Indoor/Outdoor	m³/h	3350/6750	3350/6900	3350/6750	3350/6900
		mm	400x1050x500	400x1050x500	400x1050x500	400x1050x500
Net Dimension H x W x D	Indoor	kg(lbs)	46(101)	46(101)	46(101)	46(101)
	Outdoor	mm	1290x900x330	1290x900x330	1290x900x330	1290x900x330
Piping Connections (Small / Large)		kg(lbs)	88(194)	107(236)	88(194)	107(236)
		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (Inner/Outer)		mm	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max Pipe Length (Pre-Charge)		m	50(20)	75(30)	50(20)	75(30)
Height Difference			30	30	30	30
Operation Range	Cooling	°CDB	-15~46	-15~46	-15~46	-15~46
	Heating		-15~24	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A	R410A

## Dimensions Models: ARYC45LC / ARYC54LC

(Unit : mm)

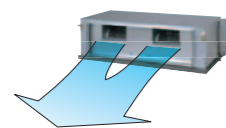


# High Static Pressure Duct

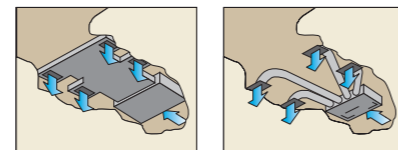


## Design also corresponding to high static pressure

Model: ARY90TL



MAX. 300 Pa



## Specifications

Model No.	Indoor unit		ARY60UU	ARY90TL
	Outdoor unit		AOY60UU	AOY90TL
Power Source	V/Ø/Hz		400/3/50	380-415/3/50
Capacity	Cooling	kW	16.50	24.80-25.40
	Heating	kW	19.50	28.90-29.50
Input Power	Cooling/Heating	kW	6.06/5.54	12.2/12.2
EER - Energy Class	Cooling	W/W	2.72	2.03-2.03
COP - Energy Class	Heating		3.52	2.37-2.36
Running Current	Cooling/Heating	A	10.2/9.8	19.5/19.5
Moisture Removal		l/h	4.0	7.5
Noise (Indoor)	Cooling	H/M/L	49/45/42	50
	Cooling		54	59
Airflow Rate (High)	Indoor/Outdoor	m³/h	3500/6300	4300/9800
Net Dimension H x W x D	Indoor	mm	400x1050x500	450x1550x700
		kg(lbs)	50(110)	85(187)
	Outdoor	mm	1290x900x330	1380x1300x650
		kg(lbs)	118(260)	245(540)
Piping Connections (Small / Large)		mm	9.52/19.05	12.70/28.58
Max Pipe Length (Pre-Charge)		m	50(20)	50(20)
Height Difference			30	30
Operation Range	Cooling	°CDB	0~43	0~46
	Heating		-10~24	-10~21
Refrigerant			R410A	R407C

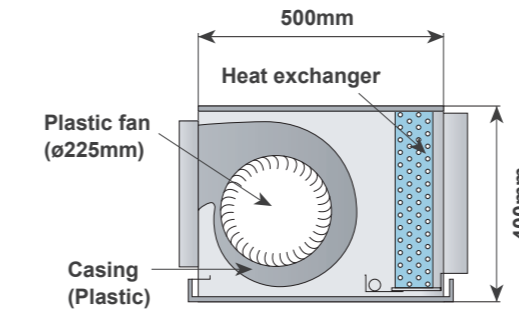
\*The measurement static pressure of ARY60UU is 100Pa and ARY90TL is 196Pa.

## Low noise

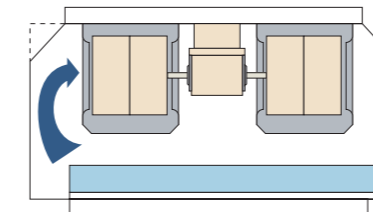
Turbulent air flow is reduced by cutting off the corners of conventional indoor unit front panel and fan case

Low noise is realized by adopting plastic case, plastic fan.

## Plastic fan [45dB(A)] (ARY60UU)



(ARY60UU)



\* Model : Material (At 100Pa : Actual noise measurement value)

## Pursuance of amenity performance

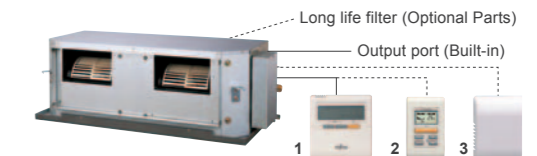
Various remote controllers and sensors can be selected

### 1.Wired Remote Controller with Thermo Sensor

- Room temperature sensor selection
- WEEKLY timer
- Temperature SET BACK timer
- Group control system
- Child lock
- Dual remote controllers <Optional parts>
- AUTO restart
- Energy saving
- Auto changeover (for heating)
- Hot start (for heating)

### 2.Simple Remote Controller (Optional Parts)

### 3.Remote Sensor (Optional Parts)

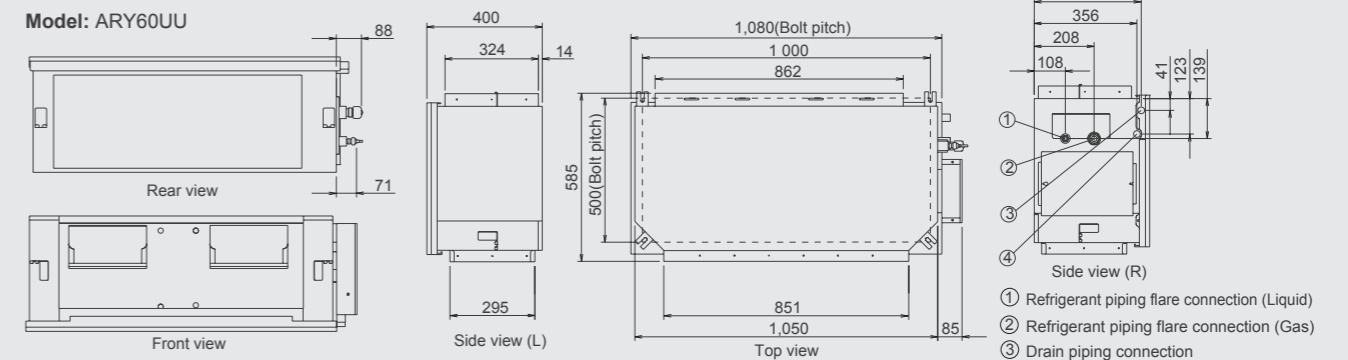


## Optional parts

- Long-Life Filter: UTD-LF60KA (For ARY60UU)
- Remote Sensor Unit: UTD-RS100 / UTY-XSZX
- External Control Set: UTD-ECS5A (For ARY60UU)

## Dimensions

Model: ARY60UU



Model: ARY90TL

