



THE INTELLIGENT CHOICE  
IN COMFORT

**INVERTER**

SINGLE & MULTI TYPE AIR CONDITIONERS

# R410A INVERTER LINEUP

## Fujitsu General air conditioners are selected and loved by people around the world.

Today, the full line of Fujitsu General air conditioners, from small split type to VRF("Airstage") System, are highly valued by individuals and customers all over the world. We pursue more power, high efficiency and environmental conservation by concentrating on DC inverter technology and the use of "R410A" refrigerant. Moreover, a high quality pleasant environment is offered by providing various filter functions. Fujitsu General inverter air conditioners are here to make your daily life more comfortable.

### EXPLANATION OF FEATURES



**Moisture Removal**  
The computer effectively dehumidifies the air.



**Up/Down Swing Flaps**  
The up/down flaps automatically swing up and down.



**Double Swing Automatic**  
Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.



**Automatic Flaps**  
The position of the flaps is set automatically to match the operating mode. It is also possible to adjust the flaps using the remote control.



**Auto Shut Flaps**  
The auto shut flaps close or open automatically when the unit stops or starts.



**Automatic Air Flow Adjustment**  
The micro-computer automatically adjusts the air flow effectively to follow the changes of room temperature.



**Auto Restart**  
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power supply is restored.



**Auto-Changeover**  
The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.



**Sleep Timer**  
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.



**Program Timer**  
This digital timer allows selection of one of four options: ON, OFF, ON → OFF or OFF → ON.



**Weekly Timer**  
Different on-off times can be set for each day.



**Weekly + Setback Timer**  
Weekly + Setback timer can set temperature for two times spans and for each day of the week.



**Fresh Air Intake**  
Fresh air can be taken in by a fan which can be connected using UTD-ECS5A (option parts).



**Connectable Distributing Duct**



**Connectable Fresh Air Duct**



**Washable Panel**



**Long-life Ion Deodorization Filter**  
For details, see page7.



**Apple-catechin Filter**  
For details, see page7.



**Filter Sign**  
Indicates the filter cleaning period by lamp.



**Economy Mode**  
Limits the maximum operation current, and performs operation with the power consumption suppressed.

**C** Cooling **H** Heating



2.0kW  
7,000BTU



ASZA07LC

2.6kW  
9,000BTU



ASYB09LD



ASZA09LC



AGYV09LA

3.5kW  
12,000BTU



ASYB12LD



ASZA12LC



AGYV12LA



AUY12L

4.1kW  
14,000BTU



AWYZ14LB



ASZA14LC



AGYV14LA



AUY14L

5.3kW  
18,000BTU



AWYZ18LB



ASYB18LD



ASZA18LC

7.0kW  
24,000BTU



AWYZ24LB



ASYB24LD



ASZA24LC

8.8kW  
30,000BTU



ASZA30LC

10.6kW  
36,000BTU

13.2kW  
45,000BTU

15.8kW  
54,000BTU

**Rank A** Rank A models

**ALL DC** All DC inverter models

**V-PAM** V-PAM models

**I-PAM** I-PAM models

 <p><b>New</b> ▶P10</p> <p>AUYA18/24L</p> <p><b>COMPACT CASSETTE TYPE</b></p>	 <p><b>New</b> ▶P11</p> <p>AUY*36/45L AUY30/54L</p> <p><b>CASSETTE TYPE</b></p>	 <p><b>New</b> ▶P12</p> <p>ABYA18/24L</p> <p><b>FLOOR/CEILING UNIVERSAL TYPE</b></p>	 <p><b>New</b> ▶P12</p> <p>ABY*36/45L ABY30L</p> <p><b>CEILING TYPE</b></p>	 <p><b>New</b> ▶P13</p> <p>ARYA18L ARY12/14L</p> <p><b>DUCT TYPE</b></p>	 <p><b>New</b> ▶P13</p> <p>ARYA24L ARY*36/45L ARY30L</p> <p><b>DUCT TYPE</b></p>	 <p>ARY45LH/54L</p> <p><b>DUCT TYPE</b></p>	 <p>AOY18/24LM2 AOYA18/24LM3 AOY30LM4</p> <p><b>MULTI TYPE SYSTEMS</b></p>	 <p><b>New</b> ▶P14</p> <p>AOYA18/24LM3 AOY30LM4</p> <p><b>MULTI TYPE SYSTEMS</b></p>	 <p>AOY30LM4</p> <p><b>MULTI TYPE SYSTEMS</b></p>
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				 <p>ARY12L</p>					
				 <p>ARY14L</p>					
 <p><b>New</b> Rank A ALL DC V PAM</p> <p>AUYA18L</p>		 <p><b>New</b> Rank A ALL DC V PAM</p> <p>ABYA18L</p>		 <p><b>New</b> Rank A ALL DC V PAM</p> <p>ARYA18L</p>		 <p>AOY18LM2</p>	 <p><b>New</b> Rank A PAM</p> <p>AOYA18LM3</p>		
 <p><b>New</b> Rank A ALL DC V PAM</p> <p>AUYA24L</p>		 <p><b>New</b> Rank A ALL DC V PAM</p> <p>ABYA24L</p>		 <p><b>New</b> Rank A ALL DC V PAM</p> <p>ARYA24L</p>		 <p>Rank A PAM</p> <p>AOY24LM2</p>	 <p><b>New</b> Rank A PAM</p> <p>AOYA24LM3</p>		
	 <p>AUY30L</p>		 <p>ABY30L</p>		 <p>ARY30L</p>				 <p>Rank A PAM</p> <p>AOY30LM4</p>
	 <p><b>New</b> ALL DC PAM</p> <p>AUY*36L</p>		 <p><b>New</b> ALL DC PAM</p> <p>ABY*36L</p>		 <p><b>New</b> ALL DC PAM</p> <p>ARY*36L</p>				
	 <p><b>New</b> ALL DC PAM</p> <p>AUY*45L</p>		 <p><b>New</b> ALL DC PAM</p> <p>ABY*45L</p>		 <p><b>New</b> ALL DC PAM</p> <p>ARY*45L</p>				
	 <p>AUY54L</p>								

### Notice for specifications

I.U.=Indoor Unit O.U.=Outdoor Unit Min.=Minimum \* =Not decided yet

- Specifications and design subject to change without notice for further improvement. Please check with your dealer.
- Cooling/Heating capacities are based on the following conditions.

Cooling	Heating
Indoor temp. : 27°C DB/19°C WB	Indoor temp. : 20°C DB/15°C WB
Outdoor temp. : 35°C DB/24°C WB	Outdoor temp. : 7°C DB/6°C WB

For Duct Type  
 Air volume of ARY18L models is given without external static pressure.  
 Air volume of ARY24L/30L/36L/45L models is given when external static pressure is 30Pa.  
 Air volume of ARY45LH/54L models is given when external static pressure is 100Pa.

**WORLD FIRST!**<sup>\*1</sup>

## Automatic filter cleaner

### ▶ Entire filter is cleaned automatically in approximately 2 minutes.

Since the filter is cleaned automatically, energy saving capability is displayed without regard to the load on the air conditioner.

### ▶ Energy saving Rank A cleared with a margin to spare.

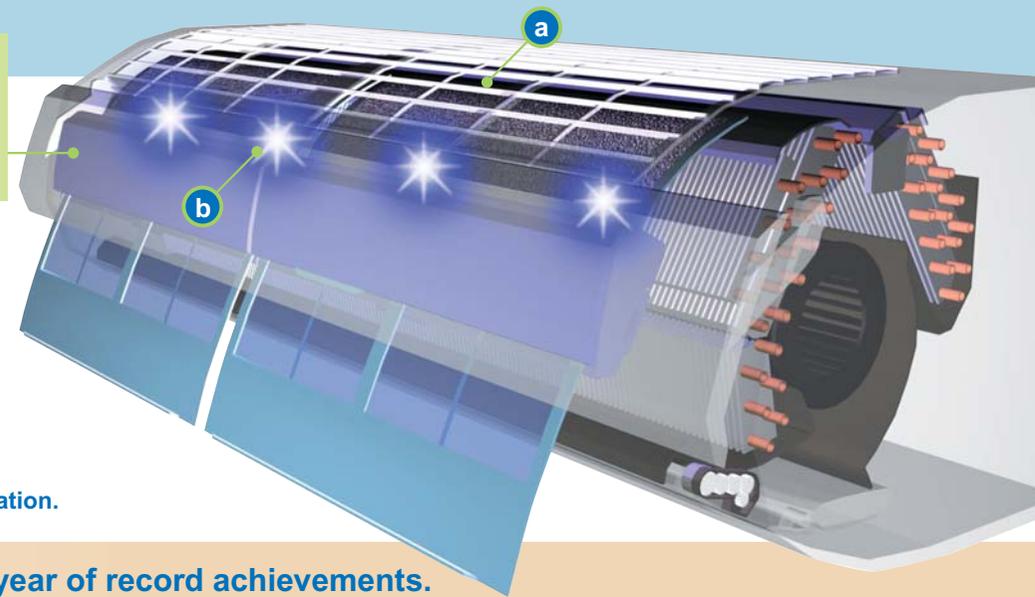
If the energy saving effect is maintained, filter cleaning once every two weeks is effective.

### ▶ Two exhaustive bacteria eliminating and deodorizing countermeasures keep the air in the room clean.

If the energy saving effect is maintained, filter cleaning once every two weeks is effective.

#### Antibacterial dust box

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



#### Bacteria eliminating countermeasure

### a Dirt and dust are bacteria-eliminated by titan apatite filter\*

\* Displays double the effect of a conventional optical medium and retains its property for a long time to suck in and remove approximately 99.99% of cigarette odors and bacteria, etc.

### b **WORLD FIRST!**<sup>\*2</sup> Drives away bacteria and refreshes the air by UV (ultraviolet rays) illumination.

**INVERTER  
CEILING  
WALL  
TYPE**

**nocria®**



3rd year of record achievements.  
Automatic filter cleaning air conditioner



**AWYZ14LB**  
C 4.20kW H 6.00kW



**AWYZ18LB**  
C 5.20kW H 6.70kW



**AWYZ24LB**  
C 7.10kW H 8.50kW



## Our unique technology that achieved top energy efficiency in the industry

**WORLD FIRST!**<sup>\*1</sup>

### c Energy saving by automatic filter cleaning function

This function allows an energy saving of more than 25% a year and maintains a smooth air flow by preventing the filters from being clogged with dust.

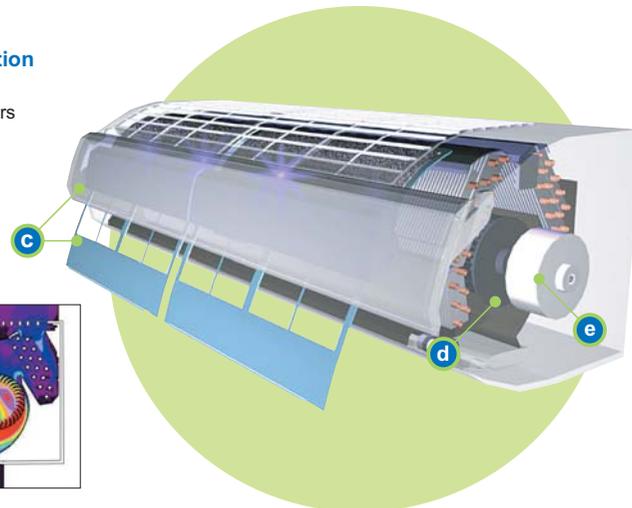
### d Computer-designed fan provides a larger air flow than conventional models

New air trunk, which provides a smooth air flow, and axial gap fan motor increase the maximum air flow by 10% over that of conventional models.

CAE: Computer aided engineering



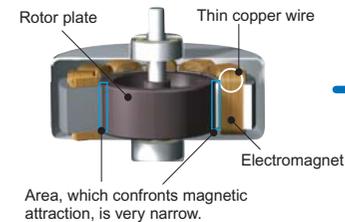
CAE analysis



**WORLD FIRST!**<sup>\*3</sup>

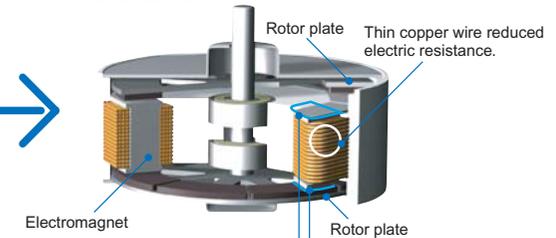
### e Axial gap fan motor enables nonconventional high power and high efficiency.

**Conventional motor**  
Rotor is bounded by electromagnet.



Area, which confronts magnetic attraction, is very narrow.

**New model**



Area, which confronts magnetic attraction is very wide and generates high power.

#### Axial gap method

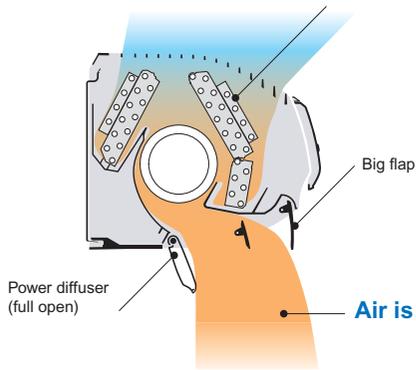
Rotor plates are installed above and below electromagnets.

#### 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.

**"Strong vertical air flow" provides powerful floor level heating.**

Increased heat exchange efficiency



**No.1**  
Heating capacity

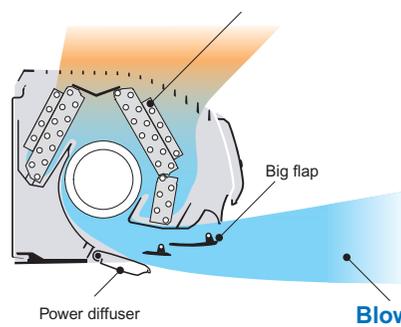
Comfortable heating area  
**Approximately 2.5 times\***  
(Our company comparison)

\*Compared to our conventional Model ASY13PSCCW.

**Air is blown directly downward**

**"Healthy horizontal air flow" does not blow cool air directly at the occupants in the room.**

Increased heat exchange efficiency



Cooling range  
**Approximately 1.7 times\***  
(Our company comparison)

\*Compared to our conventional Model ASY13PSCCW.

**Blown out horizontally**

**Remote controller**



Frequently used parts are clearly visible at the center. The operation mode can be directly selected.



For AWYZ14/18LB



For AWYZ24LB



**V-PAM inverter increases the maximum output of the compressor significantly and enables high power and high efficiency.**

**f** V-PAM

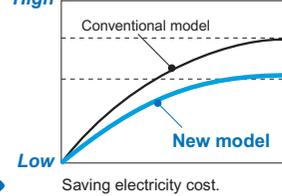
V-PAM technology makes the compressor more powerful.



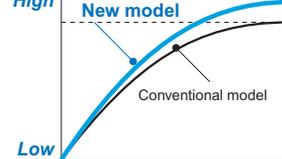
**g** More compact than conventional models.



**Electricity charge**

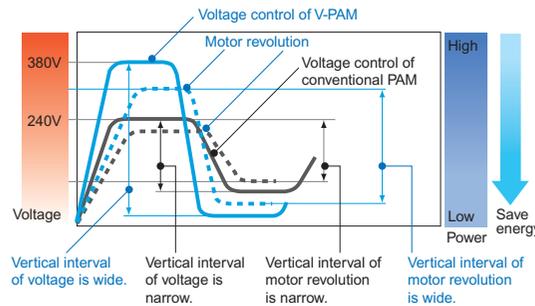


**Power**



Output increased to greater than that of conventional model

**Comparison between V-PAM and conventional PAM.**



**Conventional PAM**

Control range between energy saving and high power is small because vertical interval of voltage and motor revolution is narrow.

**V-PAM**

V-PAM achieves high power by increasing the voltage up to 380V and making the motor rotate faster, and also saves energy in the stable state by making the motor rotate slower than that of conventional models by lowering the voltage.

**SPECIFICATIONS**

		TENTATIVE			
Model Name	I.U.	AWYZ14LB	AWYZ18LB	AWYZ24LB	
	O.U.	AOYZ14LB	AOYZ18LB	AOYZ24LB	
Cooling	Capacity	kW	4.20	5.20	7.10
	Capacity Range	kW	0.90 - 5.30	0.90 - 5.90	0.90 - 8.00
	Power Consumption	kW	1.02	1.58	2.21
	EER(Rank)	kW/kW	4.12(A)	3.29(A)	3.21(A)
	Noise	I.U. (Min.)dB	25	25	32
Heating	Capacity	kW	6.00	6.70	8.50
	Capacity Range	kW	0.90 - 8.40	0.90 - 9.10	0.90 - 11.00
	Power Consumption	kW	1.35	1.63	2.35
	COP(Rank)	kW/kW	4.44(A)	4.11(A)	3.62(A)
	Noise	I.U. (Min.)dB	23	23	32
Dimensions H x W x D	I.U.	mm	250 x 899 x 298	250 x 899 x 298	250 x 899 x 298
		kg	13.5	13.5	14
Net Weight	O.U.	mm	578 x 790 x 300	578 x 790 x 300	830 x 900 x 330
		kg	39	39	62
Connection Pipe Size (Small/Large)	mm	6.35 / 12.70	6.35 / 12.70	6.35 / 15.88	
Max Pipe Length (Chargeless)	m	20(15)	20(15)	30(15)	
Max Height Difference	m	15	15	20	
Operating Range (O.U.)	Cooling	°C	-10 to 43	-10 to 43	-10 to 43
	Heating	°C	-15 to 24	-15 to 24	-15 to 24

# INVERTER WALL MOUNTED TYPE

## PLASMA AIR CONDITIONER



ASYSB09/12/18LD



ASYSB24LD



For ASYSB09/12LD



For ASYSB18/24LD



**ASYSB09LD**  
C 2.60kW H 3.60kW



**ASYSB18LD**  
C 5.20kW H 6.25kW

\*The following contents apply to ASYSB09/12/18LD models.



**ASYSB12LD**  
C 3.50kW H 4.80kW



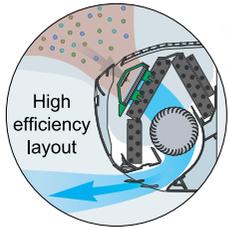
**ASYSB24LD**  
C 7.10kW H 8.10kW



### Original plasma air cleaning unit effectively cleans the air in the room.

#### Plasma unit

Mounts a plasma air cleaning unit. Minute dust particles are collected by an electrostatic filter and odor is suppressed by decomposition of foul odors by very weak ions. Since a filter with a lower ventilation resistance than in the past is used, high dust collection design simultaneously cleans in the air in the room.

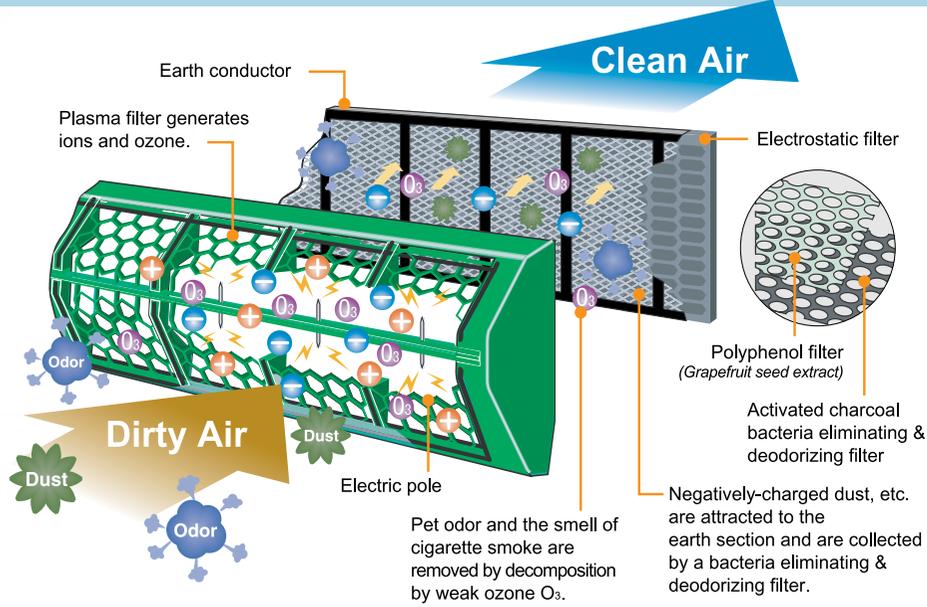


Plasma air filter mechanism



#### Washable filter

Restored to the same performance as when new each time it is washed.



### Plasma air cleaner quickly removes small dust particles and odors.

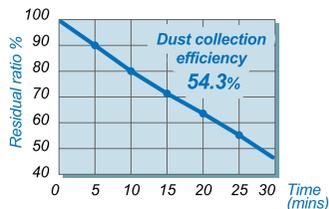
#### Collects dirt such as...

House dust / Pet fur and dander / Cigarette smoke / Mite carcass / Mold spore / Pollen

#### Absorbs odors such as...

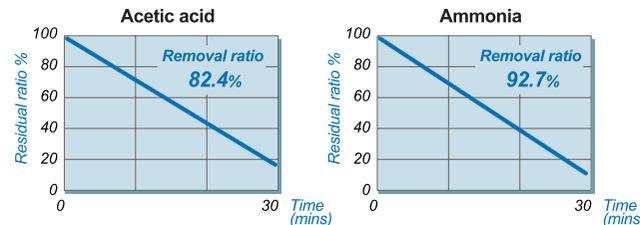
Smell of cigarette smoke / Pet odor / Kitchen garbage smell / Perspiration and body odor

#### Dust collection performance (ASYSB09/12/18LD)



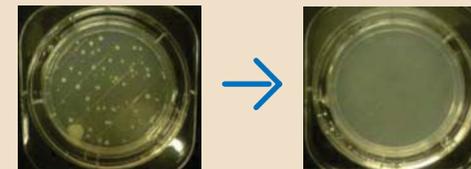
Test method: JEM 1417 Test room: 30m<sup>3</sup>, sealed room  
Measurement conditions: Cigarette smoke (5 cigarettes burned simultaneously)

#### Deodorizing performance (ASYSB09/12/18LD)



Test method: JEM1467 Test room : 1m<sup>3</sup>, acrylic sealed box  
Measurement method: Cigarette smoke (5 cigarettes burned simultaneously)

#### Bacteria elimination effect by Polyphenol ceraglaz



The undiluted solution of the specimen was made the specimen fluid and suspensoid 0.1ml (approximately 107CFU/ml) of the test bacteria was inoculated.

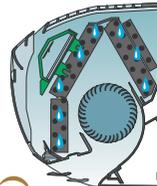
Tested by KITAZATO environment science center  
Test NO. :15-0253 Test condition: at 20degrees C/24hour action

### Inner drying operation and plasma effect

This model is equipped with an inner drying function. After the power is turned off, the dry operation starts inside the air conditioner. The plasma air cleaning unit eliminates bacteria, deodorizes, and keeps the interior of the air conditioner clean by generating ozone and ions.

#### Covered with beading.

Bacteria grows in beading, and it causes bad odor.



After operation ends, start approximately 30 minutes speed cleaning operation by merely pressing the COIL DRY button.



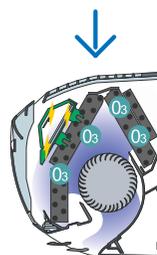
#### Removes moisture.

Drying operation for approx. fifteen minutes.



#### Bacteria elimination

Ozone bacteria eliminating operation for approx. fifteen minutes.



"Inner drying operation" and "ozone bacteria eliminating operation" keep the inside of the air conditioner clean at all times. That's why air from the air conditioner is always clean and high efficiency is realized.



Small



Rank A **i** PAM  
**ASYA07LC**  
 C 2.10kW H 3.00kW

Rank A **ALL DC** **V** PAM  
**ASYA14LC**  
 C 4.20kW H 5.60kW

Rank A **i** PAM  
**ASYA09LC**  
 C 2.60kW H 3.60kW

**ALL DC** **V** PAM  
**ASYA18LC**  
 C 5.20kW H 6.25kW

Rank A **V** PAM  
**ASYA12LC**  
 C 3.50kW H 4.80kW

## Air conditioner filter features



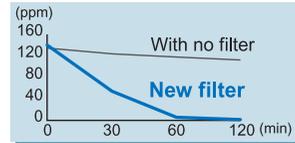
### Long-life\* Ion Deodorization Filter



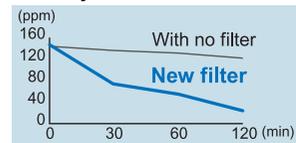
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic. (\* The filter can be used for approximately 3 years if it is washed under water to restore its surface action when it is dirty.)

### Deodorizing effect (Odor reduction rate)

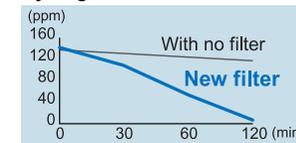
Ammonia



Trimethylamine

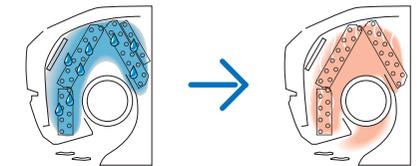


Hydrogen sulfate



Testing organization : Environmental Sanitary Inspection Center Test method : Deodorization Test

## Inner drying operation



During dew condensation

Approx. 20 mins Drying

This model is equipped with an inner drying function. After the power is turned off, the dry operation starts inside the air conditioner. This prevents the growth of mold and bacterial inside the air conditioner.

### 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 ingredient extracted from apples.

## Easy maintenance

Easy maintenance and always clean.  
 Troublesome maintenance has been made easy.

Since the front panel is easy to remove, maintenance is also easy.

### Open panel



### ASYB09/12/18/24LD



### ASYA07/09/12/14/18LC



## SPECIFICATIONS

Model Name		I.U.	ASYB09LD	ASYB12LD	ASYB18LD	ASYB24LD	ASYA07LC	ASYA09LC	ASYA12LC	ASYA14LC	ASYA18LC
			AOYS09LD	AOYS12LD	AOYS18LD	AOYS24LD	AOYR07LC	AOYR09LC	AOYR12LC	AOYR14LC	AOYR18LC
Cooling	Capacity	kW	2.60	3.50	5.20	7.10	2.10	2.60	3.50	4.20	5.20
	Capacity Range	kW	0.50 - 3.70	0.90 - 4.30	0.90 - 5.70	0.90 - 8.00	0.50 - 3.00	0.50 - 3.60	0.90 - 4.30	0.90 - 5.30	0.90 - 5.70
	Power Consumption	kW	0.61	0.91	1.72	2.21	0.47	0.665	0.92	1.11	1.72
	EER(Rank)	kW/kW	4.26 (A)	3.85 (A)	3.02 (B)	3.21 (A)	4.47 (A)	3.97 (A)	3.80 (A)	3.78 (A)	3.02 (B)
	Noise	I.U. (Min.)dB	22	22	26	33	22	22	22	27	27
Heating	Capacity	kW	3.60	4.80	6.25	8.10	3.00	3.60	4.80	5.60	6.25
	Capacity Range	kW	0.50 - 6.10	0.90 - 6.70	0.90 - 9.10	0.90 - 10.60	0.50 - 4.60	0.50 - 5.30	0.90 - 6.70	0.90 - 8.40	0.90 - 9.10
	Power Consumption	kW	0.81	1.22	1.73	2.24	0.66	0.845	1.24	1.45	1.73
	COP(Rank)	kW/kW	4.44 (A)	3.93 (A)	3.61 (A)	3.62 (A)	4.55 (A)	4.26 (A)	3.87 (A)	3.86 (A)	3.61 (A)
	Noise	I.U. (Min.)dB	22	22	27	33	22	22	22	27	27
Dimensions H x W x D	I.U.	mm	283 x 790 x 230	283 x 790 x 230	283 x 790 x 230	320 x 998 x 228	275 x 790 x 215				
		kg	9	9	9	14	9	9	9	9	9
Net Weight	O.U.	mm	540 x 790 x 290	540 x 790 x 290	578 x 790 x 300	578 x 790 x 315	540 x 660 x 290	540 x 660 x 290	540 x 790 x 290	578 x 790 x 300	578 x 790 x 300
		kg	35	38	40	44	32	32	38	38	38
Connection Pipe Size (Small/Large)	mm	6.35/9.52	6.35/9.52	6.35/12.70	6.35/15.88	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7	
Max Pipe Length (Chargeless)	m	20 (15)	20 (15)	20 (15)	30 (15)	20 (15)	20 (15)	20 (15)	20 (15)	20 (15)	
Max Height Difference	m	15	15	15	20	15	15	15	15	15	
Operating Range (O.U.)	Cooling	°C	-10 to 43	+10 to 43	+10 to 43	-10 to 43	-10 to 43				
	Heating	°C	-15 to 24								

# INVERTER WALL MOUNTED TYPE

## Flat panel and family look design



For ASYA24LC



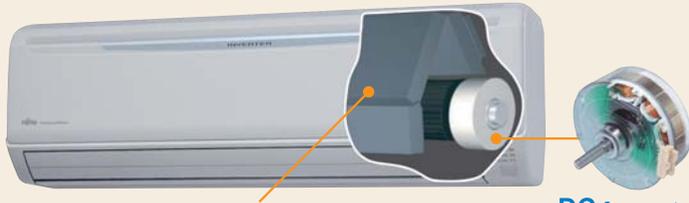
For ASYA30LC

Rank **A** ALL DC V-PAM  
**ASYA24LC**  
 C 7.10kW H 8.00kW

ALL DC V-PAM  
**ASYA30LC**  
 C 8.00kW H 9.00kW

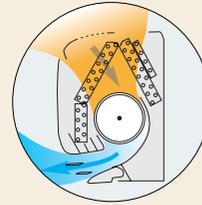
\*The following contents apply to ASYA24LC models.

### All DC



Heat exchange capacities 20% up compared to conventional models

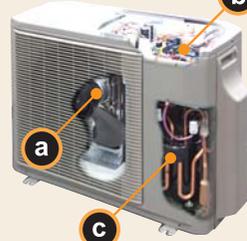
DC fan motor



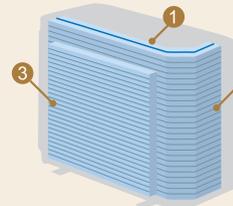
#### High efficiency layout

Large air flow and quiet operation by new air flow path

- a** DC fan motor
- b** V-PAM control  
V-PAM technology makes a compressor more powerful.
- c** DC scroll compressor  
More compact compared with conventional model



Front view



Back view

#### New 3-row heat exchange system

### Compact design

#### New model



H320 x W998 x D228



H540 x W790 x D290

44kg

#### Conventional model



H320 x W1,120 x D220



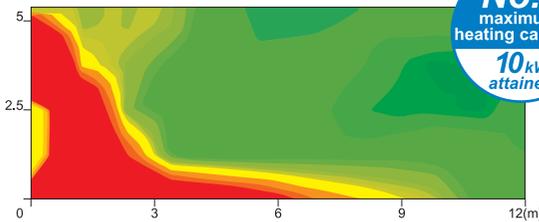
H900 x W900 x D350

70kg

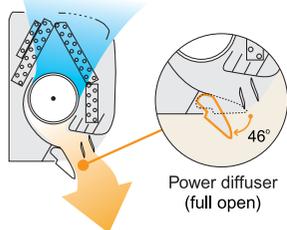
(unit:mm)

### Power diffuser

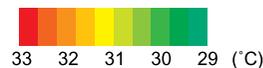
“Strong vertical air flow” provides powerful floor level heating.



**No.1** maximum heating capacity  
10kw attained

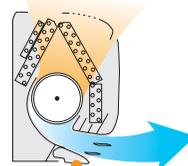
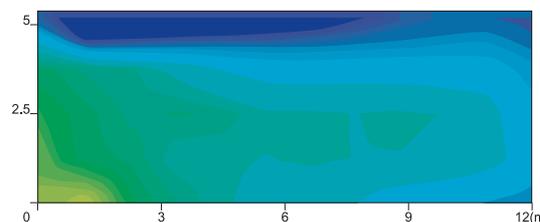


Power diffuser (full open)



Outside air conditions: 2 °C 60%  
 Operation contents: Heating,  
 Set temperature (Max set temp)  
 30 °C, Air flow Hi,  
 Air direction downward and front

“Healthy horizontal air flow” does not blow cool air directly at the occupants in the room.

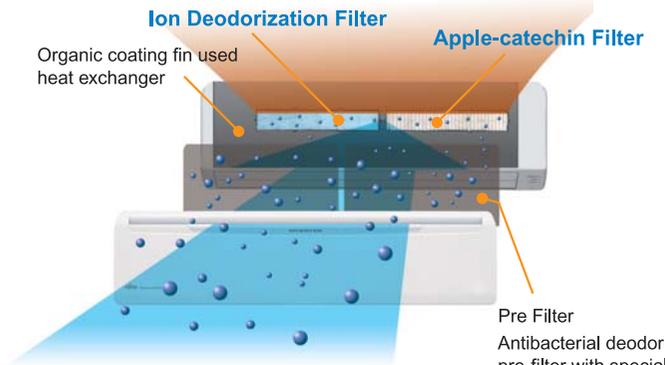


Power diffuser



Outside air conditions: 35 °C 40%  
 Operation contents: Cooling,  
 Set temperature (Min set temp)  
 18 °C, Air flow Hi,  
 Air direction downward and front

### Air conditioner filter features



Organic coating fin used heat exchanger

Pre Filter  
 Antibacterial deodorizing pre-filter with special ceramic powder

**Long-life Ion Deodorization Filter**  
 For details, see page7.



**Apple-catechin Filter**  
 For details, see page7.



# INVERTER FLOOR TYPE



Simple & Thin design harmonizes with the interior

- AGYV9LA**  
 Rank A ALL DC PAM  
 2.60kW (C) 3.50kW (H)
- AGYV12LA**  
 Rank A ALL DC PAM  
 3.50kW (C) 4.50kW (H)
- AGYV14LA**  
 Rank A ALL DC PAM  
 4.20kW (C) 5.20kW (H)

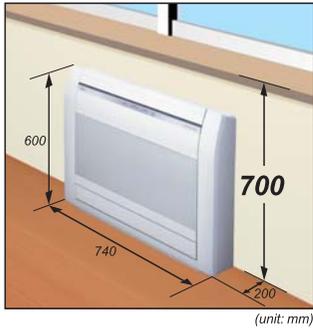


- Moisture Up/Down Auto flaps
- Auto Shut flaps Adjust Restart
- Auto Changerover Sleep Program
- On-Off W+S

- Washable panel
- Long-life Ion Deodorization Filter
- Apple-catechin Filter

## Flexible & easy installation

### Beneath standard window



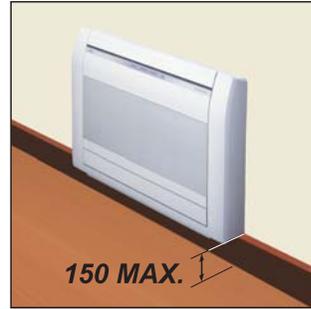
(unit: mm)

### Standard concave portion



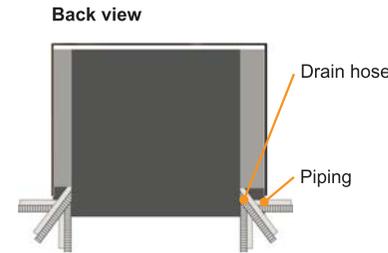
(unit: mm)

### Wall

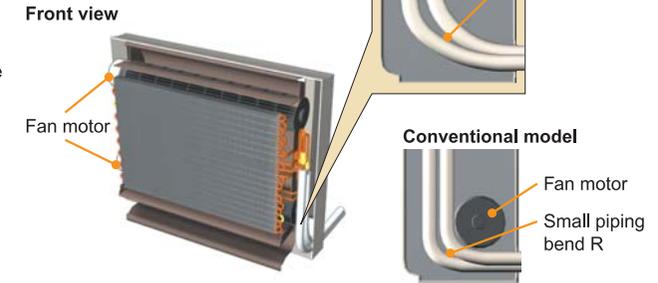


(unit: mm)

## Choice of 6-direction drain and piping connection



## Space is wide and piping work is easy

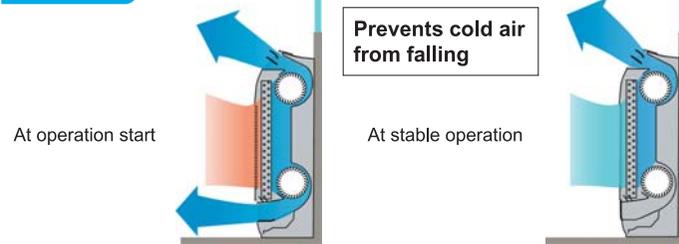


## Quiet operation

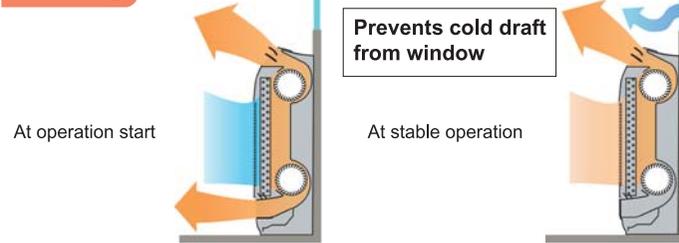
Fan speed	Noise level
<b>Quiet</b>	<b>22dB(A)</b>

## 2-Fan & wide air flow

### Cooling



### Heating



## Low ambient outdoor temperature design

Cooling	<b>-10 to 43°C</b>
Heating	<b>-15 to 24°C</b>

## SPECIFICATIONS

SPECIFICATIONS			Wall Mounted Type		TENTATIVE	TENTATIVE	TENTATIVE	
			Model Name	I.U.	AS YA24LC	AS YA30LC	AGYV09LA	AGYV12LA
			O.U.	AOYR24LC	AOYR30LC	AOYV09LA	AOYV12LA	AOYV14LA
Cooling	Capacity	kW	7.10	8.00	2.60	3.50	4.20	
	Capacity Range	kW	0.9 - 8.0	2.9 - 9.0	0.9 - 3.5	0.9 - 4.1	0.9 - 4.8	
	Power Consumption	kW	2.21	2.66	0.58	1.02	1.23	
	EER(Rank)	kW/kW	3.21 (A)	3.01 (B)	4.48 (A)	3.43 (A)	3.41 (A)	
	Noise	I.U. (Min.)dB	32	32	22	22	22	
Heating	Capacity	kW	8.10	9.00	3.50	4.50	5.20	
	Capacity Range	kW	0.9 - 10.6	2.2 - 11.0	0.9 - 5.2	0.9 - 6.2	0.9 - 7.0	
	Power Consumption	kW	2.24	2.64	0.80	1.21	1.44	
	COP(Rank)	kW/kW	3.62 (A)	3.41 (B)	4.38 (A)	3.72 (A)	3.61 (A)	
Noise	I.U. (Min.)dB	32	32	22	22	22		
Dimensions H x W x D	I.U.	mm	320 x 998 x 228	320 x 998 x 228	600 x 740 x 200	600 x 740 x 200	600 x 740 x 200	
	Net Weight	kg	14	14	15	15	15	
		O.U.	mm	578 x 790 x 315	830 x 900 x 330	540 x 790 x 290	540 x 790 x 290	578 x 790 x 300
	kg	44	62	36	36	40		
Connection Pipe Size (Small/Large)	mm		6.35/15.88	9.52/15.88	6.35/9.52	6.35/9.52	6.35/12.7	
Max Pipe Length (Chargeless)	m		30 (15)	50 (20)	20 (15)	20 (15)	20 (15)	
Max Height Difference	m		20	30	15	15	15	
Operating Range (O.U.)	Cooling	°C	-10 to 43	-10 to 43	-10 to 43	-10 to 43	-10 to 43	
	Heating	°C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	

# INVERTER COMPACT CASSETTE TYPE

Realised No.1 energy saving in compact cassette type

**WORLD FIRST!** \*1 24 type model



This design makes us feel wide angle airflow  
**NEW PANORAMA FLOW DESIGN**



Compact Outdoor Unit



**No.1** \*3  
**Compact**

For AUYA18/24L



**AUYA18L**  
5.2kW H 6.0kW



**AUYA24L**  
7.1kW H 8.0kW

**Rank A**

	EER (Cooling)	COP (Heating)
AUYA18L	3.21	3.61
AUYA24L	3.21	3.61

**ALL DC**



- a High efficiency DC fan motor (Indoor Unit)
- b High efficiency DC fan motor (Outdoor Unit)
- c High efficiency DC twin rotary compressor

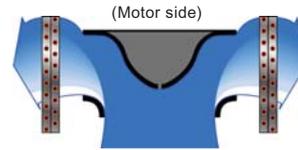
## **WORLD FIRST!** \*2 2-stage turbo fan



► High efficiency design by 2 stages structure

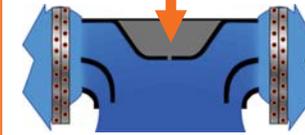
### Conventional turbo fan

In case of conventional fan, airflow move to motor side which made air outlet range narrow, and velocity of air passing through heat exchanger was uneven.



### 2-stage turbo fan

2 stages of airflow attracting each other produced by 2 stages structure of new fan, realize airflow spreading constantly and widely to heat exchanger.



Heat exchange efficiency **20%UP**

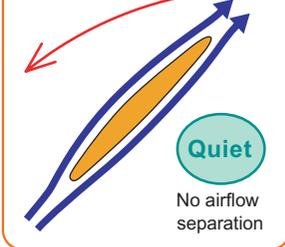
Fast  
Slow  
Wind velocity

## ► Quiet quality

Adoption of laminar wing

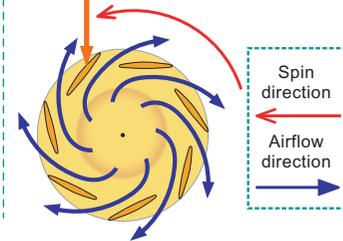
### Laminar wing

Airflow run through smoothly along the laminar wing



**Quiet**

No airflow separation



## Quiet operation (AUYA 18L)

Conventional type

Fan speed	Noise level
High	44dB (A)
Med	41dB (A)
Low	39dB (A)
Quiet	No setting

New type

Fan speed	Noise level
High	38dB (A)
Med	34dB (A)
Low	30dB (A)
Quiet	26dB (A)

## Long piping & low ambient outdoor temperature design

► Maximum piping length

	Max. Length (Chargeless)	Max. Height
AUYA18L	25m (10m)	15m
AUYA24L	30m (15m)	20m

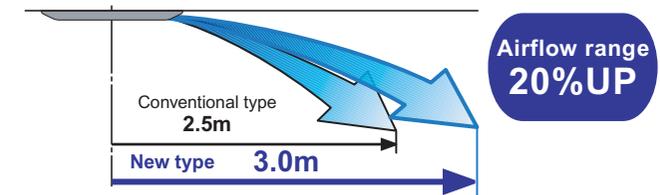
► Low ambient outdoor temperature

Cooling	-10 to 46 °C
Heating	-15 to 24 °C

## Airflow control (AUYA 18L)

► Improvement in airflow range

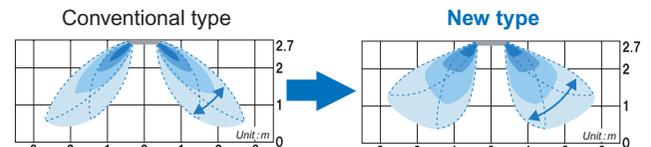
\* Wind velocity at maximum point of airflow range is 0.5m/s



**Airflow range 20%UP**

► Expansion of air outlet adjustment range

Auto airflow direction and auto swing  
Expanded air outlet range provides more comfortable space



## Easy maintenance

### 1 Maintenance of fan motor and fan

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

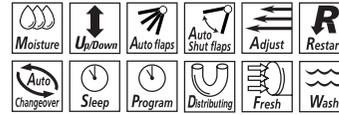
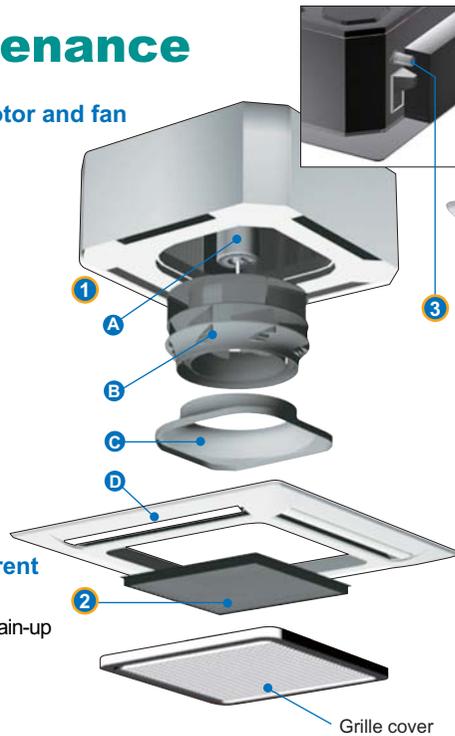
- A : Fan motor
- B : 2-stage turbo fan
- C : Bell-mouth
- D : Panel

### 2 Long life filter

: standard equipment

### 3 Adaptation of transparent drainage parts

Easy check of operation of drain-up kit when you install



**AUY12L**  
C 3.5kW H 4.0kW

**AUY14L**  
C 4.0kW H 4.5kW

## INVERTER CASSETTE TYPE



### Optional Parts

For AUY\*36/45L



Remote controller is not supplied with the indoor unit. Separate purchase is necessary.



For AUY30L

For AUY\*36/45L, AUY54L



**AUY30L** Only Wired R.C.  
C 8.5kW H 10.0kW



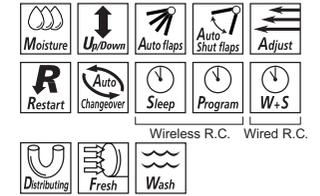
**AUY\*45L**  
C 12.5kW H 14.0kW



**AUY\*36L**  
C 10.0kW H 11.2kW

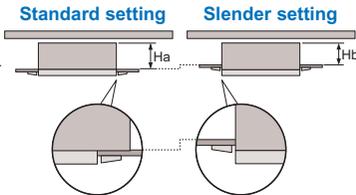


**AUY54L** Only Wired R.C.  
C 13.3kW H 16.0kW



### Flexible installation

Compact body ensures space saving installation. A slender fit option is available where ceiling void space is limited.



	Standard setting	Slender setting
	Ha	Hb
AUY30/54L AUY*36/45L	300	265

(Unit : mm)

## Easy installation

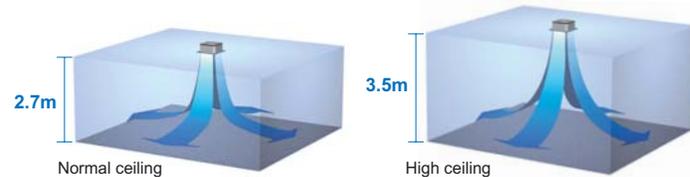
### ► Various work setting done from remote controller at the time of installation

Easy setting by wireless or wired remote controller



### ► Switching to "High ceiling mode"

Air reaches sufficiently up to 3.5m height, even it is compact cassette type



## SPECIFICATIONS

Model Name		COMPACT CASSETTE TYPE				CASSETTE TYPE				
		I.U.	AUY12L	AUY14L	AUYA18L	AUYA24L	AUY30L	AUY*36L	AUY*45L	AUY54L
Cooling	Capacity	kW	3.5	4.0	5.2	7.1	8.5	10.0	12.5	13.3
	Capacity Range	kW	1.4 - 4.0	1.4 - 4.6	0.9 - 5.9	0.9 - 8.0	3.0 - 10.0	*	*	6.4 - 14.5
	Power Consumption	kW	1.16	1.36	1.62	2.21	2.86	*	*	5.45
	EER(Rank)	kW/kW	3.02 (B)	2.94 (C)	3.21 (A)	3.21 (A)	2.97 (C)	*	*	2.44 (E)
Heating	Capacity	kW	4.0	4.5	6.0	8.0	10.0	11.2	14.0	16.0
	Capacity Range	kW	1.4 - 5.0	1.4 - 5.1	0.9 - 7.5	0.9 - 9.1	3.0 - 11.2	*	*	6.8 - 16.5
	Power Consumption	kW	1.40	1.65	1.66	2.21	2.84	*	*	4.95
	COP(Rank)	kW/kW	2.86 (D)	2.73 (E)	3.61 (A)	3.61 (A)	3.52 (B)	*	*	3.23 (C)
Dimensions H x W x D	I.U.	mm	235x580x580 <sup>*4</sup>	235x580x580 <sup>*4</sup>	245x570x570 <sup>*4</sup>	245x570x570 <sup>*4</sup>	296 x 830 x 830 <sup>*4</sup>			
		kg	18 <sup>*4</sup>	18 <sup>*4</sup>	15 <sup>*4</sup>	16.5 <sup>*4</sup>	37 <sup>*4</sup>	*	*	40 <sup>*4</sup>
Net Weight	O.U.	mm	650 x 830 x 320	650 x 830 x 320	578 x 790 x 300	578 x 790 x 315	830 x 900 x 330	*	*	1290 x 900 x 330
		kg	54	54	40	44	62	*	*	105
Connection Pipe Size (Small/Large)	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	*	*	9.52 / 15.88	
Max Pipe Length (Chargeless)	m	25	25	25 (15)	30 (15)	50 (20)	*	*	70(20)	
Max Height Difference	m	15	15	15	20	30	*	*	30	
Operating Range (O.U.)	Cooling	°C	0 to 43	0 to 43	-10 to 46	-10 to 46	-10 to 43	*	*	-15 to 43
	Heating	°C	-10 to 24	-10 to 24	-15 to 24	-15 to 24	-10 to 24	*	*	-15 to 24

\*4: The specification values exclude the panel.

# RANK A



## FLOOR / CEILING UNIVERSAL TYPE

	EER (Cooling)	COP (Heating)
ABYA18L	3.21	3.61
ABYA24L	3.21	3.61

## DUCT TYPE

	EER (Cooling)	COP (Heating)
ARYA18L	3.21	3.61
ARYA24L	3.21	3.61

## ALL DC



- a DC fan motor (Indoor units)
- b DC fan motor (Outdoor units)
- c DC twin rotary compressor



## Comfortable remote control performance

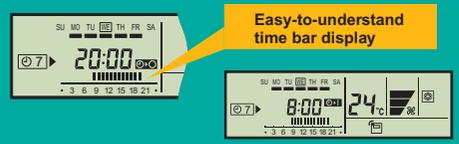
Three functions are combined in one unit.



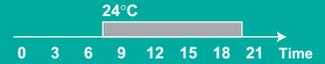
### Built-in timers

#### Weekly timer

Possible to set ON/OFF time to operate twice each day of the week.



Setup screen example (Set to Wednesday: 8:00 to 20:00.)



#### Setback timer

Possible to set temperature for two time spans and for each day of the week.



Setup screen example (Set from Sunday to Saturday: 12:00 to 15:00, 28°C.)



#### At "Weekly timer" + "Set back timer" setup



## Quiet operation

### Indoor unit (Quiet mode)

#### FLOOR / CEILING UNIVERSAL TYPE (Cooling)

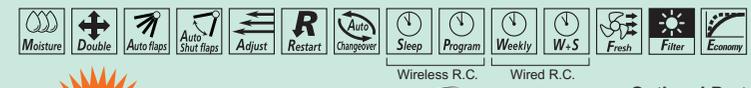
ABYA18L	31dB(A)
ABYA24L	35dB(A)

#### DUCT TYPE (Cooling)

ARYA18L	27dB(A)
ARYA24L	25dB(A)



## INVERTER FLOOR/CEILING UNIVERSAL TYPE



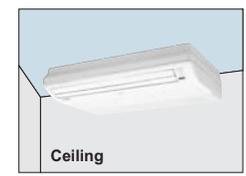
Remote controller is not supplied with the indoor unit. Separate purchase is necessary.



For ABYA18/24L

Rank A ALL DC PAM  
**ABYA18L**  
 C 5.2kW H 6.0kW

Rank A ALL DC PAM  
**ABYA24L**  
 C 7.1kW H 8.0kW



Ceiling



Floor

## INVERTER CEILING TYPE



Remote controller is not supplied with the indoor unit. Separate purchase is necessary.



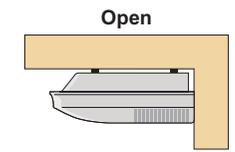
For ABY30L

For ABY\*36/45L

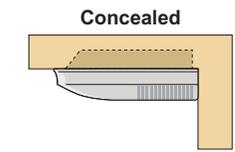
ALL DC PAM  
**ABY30L** Only Wired R.C.  
 C 8.5kW H 10.0kW

ALL DC PAM **New**  
**ABY\*36L**  
 C 10.0kW H 11.2kW

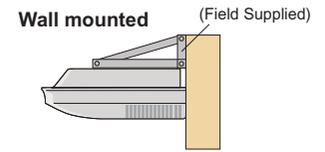
ALL DC PAM **New**  
**ABY\*45L**  
 C 12.5kW H 14.0kW



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



Installation pattern with part of the indoor unit embedded in the ceiling and fitted to the ceiling.



Pattern which fixes the indoor unit to a wall when it cannot be suspended because space behind the ceiling is narrow and the strength is insufficient.

# INVERTER DUCT TYPE



Rank **A** ALL DC PAM

**ARYA18L**  
C 5.2kW H 6.0kW

**Optional Parts**  
Remote controller is not supplied with the indoor unit. Separate purchase is necessary.



Rank **A** ALL DC PAM

**ARYA24L**  
C 7.1kW H 8.0kW

**Optional Parts**  
For ARYA24L ARY\*36L/45L  
Remote controller is not supplied with the indoor unit. Separate purchase is necessary.



PAM

**ARY30L**  
C 8.5kW H 10.0kW

ALL DC PAM

**ARY\*36L**  
C 10.0kW H 11.2kW

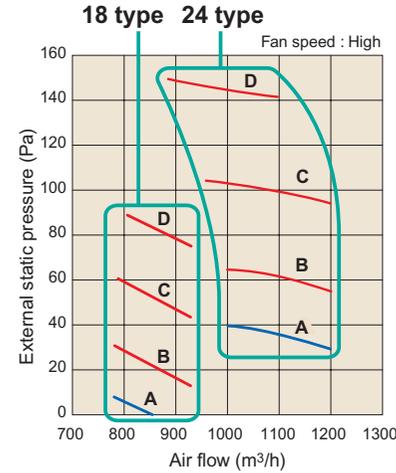
ALL DC PAM

**ARY\*45L**  
C 12.5kW H 14.0kW

## High static pressure mode function

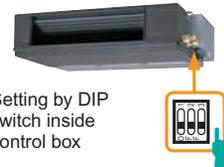
Responds to the wide static pressure range by 4-step static pressure mode.

**Static pressure range**  
18 type: **0 to 90Pa**  
24 type: **30 to 150Pa**



## Static pressure setting (Example : ARYA18 Type)

Conventional type



Setting by DIP switch inside control box

New type



Easy setting by wired remote controller

## ARY12L/14L/45LH/54L



**ARY12L**  
C 3.5kW H 4.0kW

PAM



**ARY14L**  
C 4.3kW H 4.8kW

PAM



**ARY45LH**  
C 12.5kW H 14.0kW

PAM



**ARY54L**  
C 14.0kW H 16.0kW

PAM

## ARYA18L



## ARYA24L



## ARY30L/ARY\*36L/45L



SPECIFICATIONS			TENTATIVE				TENTATIVE				TENTATIVE				TENTATIVE			
			FLOOR/CEILING UNIVERSAL TYPE			CEILING TYPE			DUCT TYPE									
Model Name			I.U.	ABYA18L	ABYA24L	ABY30L	ABY*36L	ABY*45L	ARY12L	ARY14L	ARYA18L	ARYA24L	ARY30L	ARY*36L	ARY*45L	ARY45LH	ARY54L	
			O.U.	AOYA18L	AOYA24L	AOY30L	AOY*36L	ABY*45L	AOY12L	AOY14L	AOYA18L	AOYA24L	AOY30L	AOY*36L	AOY*45L	AOY45L	AOY54L	
Cooling	Capacity	kW		5.2	7.1	8.5	10.0	12.5	3.5	4.3	5.2	7.1	8.5	10.0	12.5	12.5	14.0	
	Capacity Range	kW		0.9 - 5.9	0.9 - 8.0	2.5 - 10.0	*	*	1.4 - 4.0	1.5 - 5.0	0.9 - 5.9	0.9 - 8.0	3.0 - 10.0	*	*	3.0 - 14	6.4 - 15.3	
	Power Consumption	kW		1.62	2.21	3.00	*	*	1.15	1.37	1.62	2.21	2.96	*	*	4.30	5.36	
	EER(Rank)	kW/kW		3.21 (A)	3.21 (A)	2.83 (C)	*	*	3.04 (B)	3.14 (B)	3.21 (A)	3.21 (A)	2.87 (C)	*	*	2.91 (C)	2.61 (D)	
Heating	Capacity	kW		6.0	8.0	10.0	11.2	14.0	4.0	4.8	6.0	8.0	10.0	11.2	14.0	14.0	16.0	
	Capacity Range	kW		0.9 - 7.5	0.9 - 9.1	2.7 - 11.2	*	*	1.4 - 5.0	1.5 - 5.7	0.9 - 7.5	0.9 - 9.1	3.0 - 11.2	*	*	3.0 - 18.0	6.8 - 20.0	
	Power Consumption	kW		1.66	2.21	2.90	*	*	1.32	1.49	1.66	2.21	2.68	*	*	3.80	4.70	
	COP(Rank)	kW/kW		3.61 (A)	3.61 (A)	3.45 (B)	*	*	3.03(D)	3.21(B)	3.61 (A)	3.61 (A)	3.73 (A)	*	*	3.68 (A)	3.40 (C)	
Dimensions H x W x D	I.U.	mm		199 x 990 x 655	199 x 950 x 655	240 x 1660 x 700	240 x 1660 x 700	240 x 1660 x 700	217 x 953 x 595	217 x 953 x 595	217 x 953 x 595	270 x 1135 x 700	400 x 1050 x 500	400 x 1050 x 500				
		kg		27	27	48	*	*	25	25	23	38	43	*	*	50	50	
	O.U.	mm		578 x 790 x 300	578 x 790 x 315	830 x 900 x 330	*	*	650 x 830 x 320	650 x 830 x 320	830 x 900 x 330	578 x 790 x 315	830 x 900 x 330	*	*	1290 x 900 x 330	1290 x 900 x 330	
		kg		40	44	62	*	*	54	54	40	44	62	*	*	105	105	
Connection Pipe Size (Small/Large)	mm		6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	*	*	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	*	*	9.52 / 15.88	9.52 / 15.88		
Max Pipe Length (Chargeless)	m		25 (15)	30 (15)	50 (20)	*	*	25	25	25 (15)	30 (15)	50 (20)	*	*	70(20)	70(20)		
Max Height Difference	m		15	20	30	*	*	15	15	15	20	30	*	*	30	30		
Operating Range (O.U.)	Cooling	°C		-10 to 46	-10 to 46	-10 to 43	*	*	0 to 43	0 to 43	-10 to 46	-10 to 46	-10 to 43	*	*	-15 to 43	-15 to 43	
	Heating	°C		-15 to 24	-15 to 24	-10 to 24	*	*	-10 to 24	-10 to 24	-15 to 24	-15 to 24	-10 to 24	*	*	-15 to 24	-15 to 24	

# INVERTER MULTI TYPE SYSTEMS

You can select any type of air conditioners as you like to suit the atmosphere of your room.



COMPACT CASSETTE TYPE  
AUY12/14/18LB



DUCT TYPE (Small Size)  
ARY9LU



**AOY18LM2**  
C 5.5kW H 6.4kW



**AOY24LM2**  
C 5.8kW H 6.4kW



**AOYA18LM3**  
C 5.4kW H 6.8kW



**AOYA24LM3**  
C 6.8kW H 8.0kW



**AOY30LM4**  
C 8.0kW H 9.6kW

## SPECIFICATIONS

Model Name		I.U.	CASSETTE TYPE, DUCT TYPE, FLOOR/CEILING UNIVERSAL TYPE, WALL MOUNTED TYPE				
			O.U.	AOY18LM2	AOY24LM2	AOYA18LM3	AOYA24LM3
Cooling	Capacity	kW	5.5	5.8	5.4	6.8	8.0
	Capacity Range	kW	2.0 - 6.5	2.0 - 7.8	1.5 - 6.8	1.5 - 8.5	1.6 - 10.1
	Power Consumption	kW	1.73	1.73	1.35	1.94	2.22
	EER(Rank)	kW/kW	3.18 (B)	3.35 (A)	4.00 (A)	3.50 (A)	3.60 (A)
Heating	Capacity	kW	6.4	6.4	6.8	8.0	9.6
	Capacity Range	kW	2.2 - 7.1	2.2 - 9.0	1.5 - 8.0	1.5 - 9.2	1.8 - 12.0
	Power Consumption	kW	1.84	1.64	1.62	2.00	2.40
	COP(Rank)	kW/kW	3.48 (B)	3.90 (A)	4.20 (A)	4.00 (A)	4.00 (A)
Dimensions H x W x D	I.U.	mm	[AUY12/14/18LB] 235x580x(580+70), [ARY9LU] 217x663x595, [ARY12/14/18/22LU] 217x953x595, [ABY14/18/24LB] 199x990x655, [ASY7/9/12LM] 257x808x187, [ASYA14/18LA] 275x790x215, [ASY18/24LB] 320x1120x220				
		kg	[AUY12/14/18LB] 18, [ARY9LU] 18, [ARY12/14/18/22LU] 25, [ABY14/18/24] 28, [ASY7/9/12LM] 8, [ASYA14/18LA] 9, [ASY18/24LB] 16				
Net Weight	O.U.	mm	650x830x320	650x830x320	700x900x330	700x900x330	835x900x330
		kg	56	56	55	55	68
Connection Pipe Size (Small/Large)	mm	6.35/9.52, 6.35/12.7	6.35/9.52, 6.35/12.7	6.35/9.52 x 2, 6.35/12.7 x 1	6.35/9.52 x 2, 6.35/12.7 x 1	6.35/9.52 x 2, 6.35/12.7 x 2	
Max Pipe Length (Chargeless)	m	Total 30 (30)	Total 30 (30)	Total 50 (30)	Total 50 (30)	Total 70 (50)	
Max. Height Difference Between O.U. - I.U	m	10	10	15	15	10	
Max. Height Difference Between I.U - I.U	m	10	10	10	10	10	
Operating Range (O.U.)	Cooling	°C	0 to 46	0 to 46	-10 to 46	-10 to 46	0 to 46
	Heating	°C	-10 to 24	-10 to 24	-15 to 24	-15 to 24	-10 to 24

Max. Height Difference Between O.U. - I.U : Max. Height Difference Between Outdoor Unit and Indoor Units  
Max. Height Difference Between I.U - I.U : Max. Height Difference Between Indoor Units





ISO 9001  
Certified number:09 100 89394

ISO 14001  
Certified number:09 104 9245

Fujitsu General (Thailand) Co., Ltd.



ISO 9001  
Certified number:09 100 79269

Fujitsu General (Shanghai) Co., Ltd.



ISO 14001  
Certified number:104692

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