

FUJITSU

Inverter Single Split





Simple & Elegant Appearance Design



Dimension : H260 X W790 X D198 (mm)



ASAA 09JG

(R) 2.50kW / (Max.) 3.20kW
(R) 8,500BTU/h / (Max.) 10,900BTU/h



AOAR 09 / 12JG

ASAA 12JG

(R) 3.50kW / (Max.) 4.00kW
(R) 11,900BTU/h / (Max.) 13,600BTU/h



Elegant Appearance Design



Dimension : H320 X W998 X D238 (mm)



ASAG 18JF

(R) 5.20kW / (Max.) 6.00kW
(R) 17,700BTU/h / (Max.) 20,500BTU/h



AOAG 18 / 24JF

ASAG 24JF

(R) 6.90kW / (Max.) 8.00kW
(R) 23,500BTU/h / (Max.) 27,300BTU/h

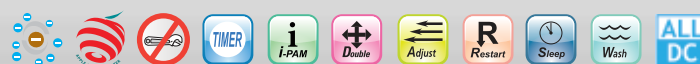


ASAG 30JF

(R) 7.90kW / (Max.) 9.00kW
(R) 27,000BTU/h / (Max.) 30,700BTU/h



AOAG 30JF

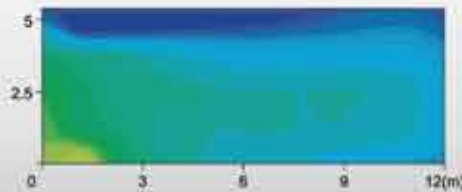


Healthy Horizontal Air Flow

- Cool air does not blow directly at the occupants in the room.



Power diffuser



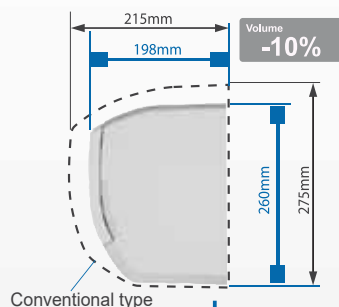
Outside air conditions: 35°C 40%
Operation contents: Cooling,
Set temperature (Min set temp)
18°C, Air flow Hi,
Air direction downward and front

ASAG 18 / 24 / 30JF

Convenience

1. Compact sized indoor unit

Top class compact size achieved by realizing the highest efficiency in the industry.

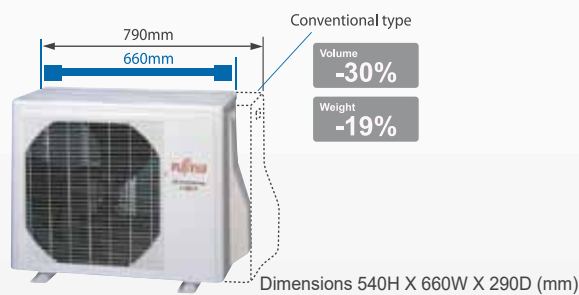


Simple and compact design matches any interior decor

ASAA 09 / 12JG

1. Compact sized outdoor unit

Top class compact size increases workability and installation flexibility.



Compact design allows a wider selection of outdoor unit installation sites

AOAR 09 / 12JG

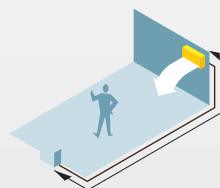
High Efficiency Layout



Large air flow and quiet operation by new air flow path.

ASAG 18 / 24 / 30JF

Corresponds to Max. 20m Long Piping



Maximum Piping Length



Maximum Height

ASAA 12JG

SPECIFICATIONS

SPECIFICATIONS				WALL MOUNT TYPE						
Model Name		Indoor		ASAA 09JG	ASAA 12JG	ASAG 18JF	ASAG 24JF	ASAG 30JF		
		Outdoor		AOAR 09JG	AOAR 12JG	AOAG 18JF	AOAG 24JF	AOAG 30JF		
Power Source (V/Ø/Hz)				230 / 1 / 50		230 / 1 / 50		230 / 1 / 50		
Energy Label				2		2		2		
Capacity	Cooling	Min/Rated/Max	kW	0.5 / 2.5 / 3.2		0.9 / 3.5 / 4.0		0.9 / 5.2 / 6.0		
			BTU/h	1,700 / 8,500 / 10,900		3,100 / 11,900 / 13,600		3,100 / 17,700 / 20,500		
			kW	0.25 / 0.7 / 1.27		0.25 / 1.03 / 1.4		0.09 / 1.52 / 2.07		
Power Consumption		Rated/Max	A	3.5 / 6.0		4.9 / 6.5		6.8 / 9.0		
Current				3.59		3.41		3.42		
COP			kW	1.3 (2.7)		1.8 (3.8)		2.6 (4.6)		
Moisture Removal			l/h (pints/h)	750		750		900		
Air Circulation	Indoor	High	m³/h	610		610		740		
		Med		440		440		620		
		Low		300		300		550		
		Quiet		1,870		1,830		2,150		
	Outdoor	43		43		43		49		
Sound Pressure Level	Indoor	High	dB(A)	38		38		37		
		Med		32		32		33		
		Low		22		22		26		
		Quiet		48		49		50		
	Outdoor	260 x 790 x 198		260 x 790 x 198		320 x 998 x 238		320 x 998 x 238		
Dimensions H x W x D	Outdoor	540 x 660 x 290		540 x 660 x 290		620 x 790 x 290		620 x 790 x 290		
Weight	Indoor	kg	7.5		7.5		14		14	
	Outdoor		28		30		41		41	
			28		30		41		61	
Pipe	Connection Method			Flare		Flare		Flare		
	Size	Liquid (Ø)	mm (in)	6.35 (1/4)		6.35 (1/4)		6.35 (1/4)		
		Gas (Ø)		9.52 (3/8)		9.52 (3/8)		12.7 (1/2)		
	Max. Length			15		20		25		
	Max. Height Difference			10		15		20		
Refrigerant				R410A		R410A		R410A		
Operation (Outdoor)		Cooling	°C	18 - 46		18 - 46		-10 - 46		
Remote Control				Wireless		Wireless		Wireless		

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB/19°CWB and outdoor temperature of 35°CDB/24°CWB.
Pipe length : 5m (18JF), 7.5m (24/30JF) Height difference : 0m. (Outdoor unit - Indoor unit)



Powerful wide air flow & quiet operation

Compact



Dimension : H245 X W570 X D570 (mm)

AUAG 12LV

(R) 3.50kW / (Max.) 4.40kW
(R) 11,950BTU/h / (Max.) 15,000BTU/h



Compact outdoor unit



AUAG 18LV

(R) 5.20kW / (Max.) 5.90kW
(R) 17,700BTU/h / (Max.) 20,100BTU/h



AOAG 12 / 18LB
AOAG 24LA

Optional parts

Wired Remote Controller : UTB-YUD
Air Outlet Shutter Plate : UTR-YDZB
Fresh Air Intake Kit : UTZ-VXAA



Powerful wide air flow & quiet operation



Dimension : H288 X W840 X D840 (mm)

AUAG 24LR

(R) 7.10kW / (Max.) 10.00kW
(R) 24,200BTU/h / (Max.) 34,100BTU/h



Light weight & compact



AUAG30LR

(R) 8.50kW / (Max.) 10.00kW
(R) 29,000BTU/h / (Max.) 34,100BTU/h



AUAG36LR

(R) 10.00kW / (Max.) 11.20kW
(R) 34,100BTU/h / (Max.) 38,200BTU/h



AOAG 24 / 30 / 36LB

AUAG 36LR

(R) 10.00kW / (Max.) 14.00kW
(R) 34,100BTU/h / (Max.) 47,800BTU/h



AUAG 45LR

(R) 12.50kW / (Max.) 14.00kW
(R) 42,700BTU/h / (Max.) 47,800BTU/h



AUYA 54LC

(R) 13.30kW / (Max.) 14.50kW
(R) 45,400BTU/h / (Max.) 49,500BTU/h



AOAG 36 / 45LB
AOYA 54LC

Optional parts

IR Receiver Kit : UTY-LRHYA1 / UTY-LRHYA2 (24 / 36LR)
Wide Panel : UTG-AGYA-W
Panel Spacer : UTG-BGYA-W
Air Outlet Shutter Plate : UTR-YDZC
Fresh Air Intake Kit : UTZ-VXGA
Wireless Remote Controller : UTB-YNA (For 45LR / 54LC)
Additional Grille : UTG-AGEA-W (For 45LR / 54LC)

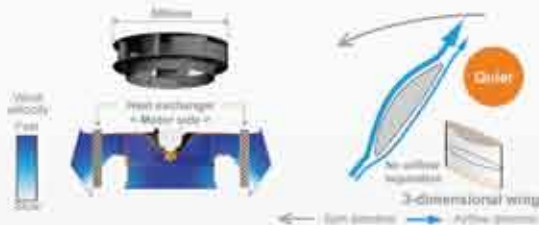


Advancement In Comfort

- Quiet operation realized by adoption of new type turbo fan. Improvement of air stream.

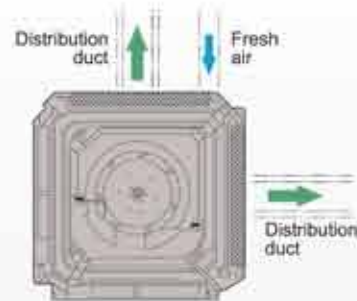
1. Adoption of new type turbo fan

High efficiency achieved by equaling the performance of the wing and air passing the heat exchanger.



Duct Connection Hole Opening

- Fresh air can be introduced through this opening.



AUAG 24 / 30 / 36 / 45LR
AUYA 54LC

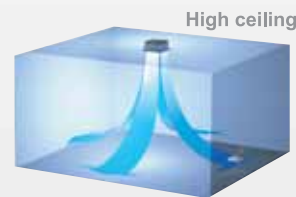
Simplification of Drain Water Check

- Drain and contamination check are possible without removing the decoration panel.



High Ceiling Mode

- Air reaches sufficiently up to height, even it is compact cassette type.



3.0m : AUAG 12 / 18 / 24LV
3.6m : AUAG 24LR
4.2m : AUAG 30 / 36 / 45LR
AUYA 54LC

SPECIFICATIONS

SPECIFICATIONS				COMPACT CASSETTE		CASSETTE					
Model Name	Indoor		AUAG 12LV	AUAG 18LV	AUAG 24LR	AUAG 30LR	AUAG 36LR	AUAG 36LR	AUAG 45LR	AUYA 54LC	
	Outdoor		AOAG 12LB	AOAG 18LB	AOAG 24LB	AOAG 30LB	AOAG 36LB	AOAG 36LB	AOAG 45LB	AOYA 54LC	
Power Source (V/Ø/Hz)			230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	
Energy Label			2	2	3	2	1	2	1	1	
Capacity	Cooling	Min/Rated/Max	kW 0.9/3.5/4.4	0.9/5.2/5.9	2.8/7.1/10.0	2.8/8.5/10.0	2.8/10.0/11.2	4.0/10.0/14.0	4.0/12.5/14.0	4.5/13.3/14.5	
		BTU/h	3,100/11,950/15,000	3,100/17,700/20,100	9,500/24,200/34,100	9,500/29,000/34,100	9,500/34,100/38,200	13,700/34,100/47,800	13,700/42,700/47,800	15,400/45,400/49,500	
Power Consumption		Rated/Max	kW 0.99/1.70	1.55/2.04	1.84/3.88	2.54/3.88	3.12/4.22	2.70/4.70	3.88/4.70	4.42/4.94	
Current		A	4.5/7.5	7.0/9.0	8.1/17.0	11.1/17.0	13.7/18.5	11.8/20.5	16.9/20.5	19.3/21.5	
COP			3.54	3.35	3.86	3.70	3.21	3.22	3.01		
Moisture Removal		l/h (pints/h)	1.2 (2.1)	2.2 (3.9)	2.1 (3.7)	2.5 (4.4)	3.5 (6.2)	3.6 (6.3)	4.5 (7.9)	5.0 (8.8)	
Air Circulation	Indoor	High	600	680	1,600	1,600	1,800	1,900	1,900	2,000	
		Med	530	580	1,400	1,400	1,400	1,640	1,640	1,700	
		Low	470	490	1,270	1,270	1,270	1,460	1,460	1,530	
		Quiet	410	410	1,150	1,150	1,150	1,250	1,250	1,300	
	Outdoor		1,780	2,000	3,600	3,600	3,800	6,200	6,750		
	Fan Type x Qty		Turbo X 1	Turbo X 1	Turbo X 1	Turbo X 1	Turbo X 1	Turbo X 1	Turbo X 1	Turbo X 1	
Fan Motor Output		Indoor	Propeller X 1	Propeller X 1	Propeller X 1	Propeller X 1	Propeller X 1	Propeller X 2	Propeller X 2		
Sound Pressure Level	Indoor	High	54	54	80	80	80	80	80	80	
		Med	40	40	100	100	100	100	100	104	
		Low	37	38	40	40	43	46	46	47	
		Quiet	34	34	38	38	38	42	42	43	
	Outdoor		30	30	36	36	36	40	40	41	
			27	26	32	32	32	36	36	37	
Dimensions H X W X D		mm	245 X 570 X 570	245 X 570 X 570	288 X 840 X 840	288 X 840 X 840	288 X 840 X 840	288 X 840 X 840	288 X 840 X 840		
Weight		kg (lbs)	578 X 790 X 300	578 X 790 X 300	830 X 900 X 330	830 X 900 X 330	830 X 900 X 330	1,290 X 900 X 330	1,290 X 900 X 330		
Pipe	Connection Method		Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	
	Size	Liquid (Ø)	mm (in)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas (Ø)		9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Max. Length		m	25	25	50	50	50	50	50	50
Max. Height Difference		m	15	15	30	30	30	30	30	30	
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Operation (Outdoor)	Cooling	°C	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
Remote Control	Standard / Optional		Wireless / Wired	Wireless / Wired	Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired / Wireless	
Drain Pipe	Material		PVC (VP25)	PVC (VP25)	PVC (VP25)	PVC (VP25)	PVC (VP25)	PVC (VP25)	PVC (VP25)	PVC (VP25)	
	Size	mm	Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	

Note : Specifications are based on the following conditions.
Cooling : Indoor temperature of 27°CDB / 19°CWB and outdoor temperature of 35°CDB/24°CWB.
Pipe length : 7.5m (AUAG 12 / 18 / 24LV, AUYA 54LC), 5m (AUAG 24 / 30 / 36 / 45LR) Height difference : 0m. (Outdoor unit - Indoor unit)
Ceiling mode : Standard
*The maximum current and the maximum input value are the maximum values when operated within the operation (temperature) range.



Dimension : H198 X W700 X D620 (mm)



Wired R.C.

ARAG 12LL
(R) 3.50kW / (Max.) 4.40kW
(R) 11,950BTU/h / (Max.) 15,000BTU/h

NO LABEL
REQUIRED



AOAG 12 / 18LB



Dimension : H198 X W900 X D620 (mm)



IR Receiver Kit

ARAG 18LL
(R) 5.20kW / (Max.) 5.90kW
(R) 17,700BTU/h / (Max.) 20,100BTU/h

NO LABEL
REQUIRED

Optional parts

Remote Sensor Unit : UTD-RS100 / UTY-XSZX

External Control Set : UTD-ECS5A

IR Receiver Unit : UTY-LRHYM



Optional

Optional



Dimension : H270 X W1135 X D700 (mm)



Wired R.C.

ARAG 24LM
(R) 6.80kW / (Max.) 8.00kW
(R) 23,200BTU/h / (Max.) 27,300BTU/h

NO LABEL
REQUIRED



AOAG 24LA



IR Receiver Kit

ARAG 30LM
(R) 8.50kW / (Max.) 10.00kW
(R) 29,000BTU/h / (Max.) 34,100BTU/h

NO LABEL
REQUIRED



AOAG 30 / 36LB

ARAG 36LM
(R) 9.40kW / (Max.) 11.20kW
(R) 32,100BTU/h / (Max.) 38,200BTU/h

NO LABEL
REQUIRED

ARAG 45LM
(R) 12.10kW / (Max.) 13.30kW
(R) 41,300BTU/h / (Max.) 45,400BTU/h

NO LABEL
REQUIRED



AOAG 45LB

Optional parts

Flange (Round) : UTD-RF204

Flange (Square) : UTD-SF045T

Long Life Filter : UTD-LF25NA

Remote Sensor Unit : UTD-RS100 / UTY-XSZX

External Control Set : UTD-ECS5A

Drain Pump Unit : UTY-PX1NBA

IR Receiver Unit : UTY-LRHY1 / UTY-LRHYM



(24/30/36)



(45)



Optional

Optional

(24/30/36)



Dimension : H400 X W1050 X D500 (mm)



Wired R.C.

ARYC 45LC
(R) 12.50kW / (Max.) 14.00kW
(R) 42,700BTU/h / (Max.) 47,800BTU/h

NO LABEL
REQUIRED



AOYA 45 / 54LC

ARYC 54LC
(R) 13.40kW / (Max.) 14.50kW
(R) 45,700BTU/h / (Max.) 49,500BTU/h

NO LABEL
REQUIRED

Optional parts

Long Life Filter : UTD-LF60KA

Remote Sensor Unit : UTD-RS100 / UTY-XSZX

External Control Set : UTD-ECS5A

Simple Remote Controller : UTB-YPB



Optional

Universal Design Indoor Unit

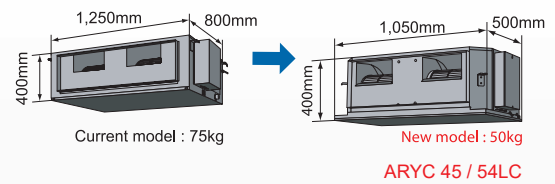
- High efficiency achieved by equaling the performance of the wing and air passing the heat exchanger.



ARAG 12 / 18LL

Compact Size & Light Weight

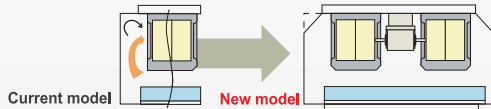
- Realizing light weight corresponding to compact size of basic chassis and considerable reduction of material.



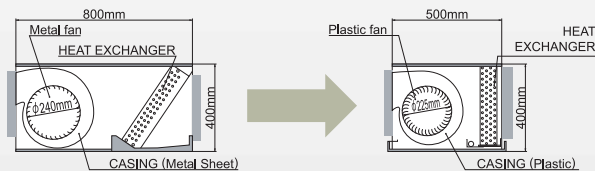
ARYC 45 / 54LC

Operation Sound (Low Noise)

- Succeeding in the increasing air flow volume and decreasing noise to 49dB(A) because the internal air pressure was made uniform by chamfering.



- Realizing large airflow volume of 3,500 cubic meter by adapting large fan. (At 100Pa)
- Realizing low noise by adopting plastic case, plastic fan and three positions airflow volume switch.
- Decreasing noise by adoption of plastic fan.
- Plastic processing of sirocco fan for airflow and fan casing of indoor unit.



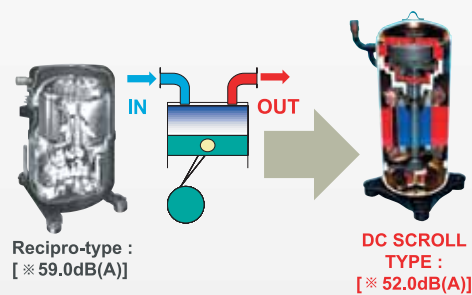
Current model : Metal fan [53.1dB(A)]

New model : Plastic fan [49.0dB(A)]

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

ARYC 45 / 54LC

- Installation change to scroll compressor.



Recipro-type :
[* 59.0dB(A)]

DC SCROLL
TYPE :
[* 52.0dB(A)]

※ The measured noise is the value when a compressor was mounted to the outdoor unit and the cooling operation was performed.

ARYC 45 / 54LC

SPECIFICATIONS

			DUCT TYPE							
Model Name	Indoor	Outdoor	ARAG 12LL	ARAG 18LL	ARAG 24LM	ARAG 30LM	ARAG 36LM	ARAG 45LM	ARYC 45LC	ARYC 54LC
			AOAG 12LB	AOAG 18LB	AOAG 24LA	AOAG 30LB	AOAG 36LB	AOAG 45LB	AOYA 45LC	AOYA 54LC
Power Source (V/Ø/Hz)			230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	Min/Rated/Max	0.9/3.5/4.4	0.9/5.2/5.9	0.9/6.8/8.0	2.8/8.5/10.0	2.8/9.4/11.2	4.0/12.1/13.3	4.5/12.5/14.0	5.0/13.4/14.5
		BTU/h	3,100/11,950/15,000	3,100/17,700/20,100	9,900/23,200/27,300	9,500/29,000/34,100	9,500/32,100/38,200	13,700/41,300/45,400	15,400/42,700/47,800	17,100/45,700/49,500
Power Consumption		Rated/Max	0.99/1.70	1.62/2.04	2.21/2.85	2.65/3.88	2.96/4.22	3.77/4.8	4.3/5.15	4.77/5.40
Current		A	4.5/7.5	7.2/9.0	9.7/12.0	11.6/17.0	13/18.5	16.5/21.0	18.9/22.5	20.9/23.5
COP		Cooling	3.54	3.21	3.08	3.21	3.18	3.21	2.91	2.81
Moisture Removal		l/h (pints/h)	1.3 (2.3)	2.0 (3.5)	2.5 (4.4)	2.5 (4.4)	3.0 (5.3)	4.0 (7.0)	1.5 (2.6)	2.0 (3.5)
Air Circulation	Indoor	High	650	940	1,100	1,900	1,900	2,100	3,350	3,350
		Med	600	880	950	1,620	1,620	1,750	2,850	2,850
		Low	550	820	800	1,270	1,270	1,350	2,430	2,430
		Quiet	480	750	600	980	980	1,070	-	-
	Outdoor		1,780	2,000	2,470	3,600	3,800	6,750	6,750	6,750
Fan Type X Qty	Indoor		Sirocco X 2	Sirocco X 3	Sirocco X 2	Sirocco X 2	Sirocco X 2	Sirocco X 2	Sirocco X 2	Sirocco X 2
	Outdoor		Propeller X 1	Propeller X 1	Propeller X 1	Propeller X 1	Propeller X 1	Propeller X 2	Propeller X 2	Propeller X 2
Fan Motor Output	Indoor	W	81	81	115	197	197	197	490	490
	Outdoor		40	40	65	100	100	100	104	104
Recommended Static Pressure		Pa	0 to 90	0 to 90	30 to 150	30 to 150	30 to 150	30 to 150	100 to 250	100 to 250
Sound Pressure Level	Indoor	High	29	32	31	39	39	42	47	47
		Med	28	30	29	35	35	38	43	43
		Low	26	29	27	30	30	32	40	40
		Quiet	25	27	25	26	26	28	-	-
	Outdoor		47	50	52	53	54	55	55	55
Dimensions H X W X D	Indoor	mm	198 X 700 X 620	198 X 900 X 620	270 X 1,135 X 700	270 X 1,135 X 700	270 X 1,135 X 700	270 X 1,135 X 700	400 X 1,050 X 500	400 X 1,050 X 500
	Outdoor		578 X 790 X 300	578 X 790 X 300	578 X 790 X 315	830 X 900 X 330	830 X 900 X 330	1,290 X 900 X 330	1,290 X 900 X 330	1,290 X 900 X 330
Weight	Indoor	kg (lbs)	17 (37)	21 (46)	38 (83)	37 (82)	37 (82)	39 (86)	46 (101)	46 (101)
	Outdoor		40 (88)	40 (88)	44 (97)	61 (135)	61 (135)	86 (190)	86 (190)	86 (190)
Pipe	Connection Method		Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare
	Size	Liquid (Ø)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas (Ø)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Max. Length		25	25	30	50	50	50	50	50
	Max. Height Difference		15	15	20	30	30	30	30	30
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Operation (Outdoor)	Cooling	°C	-10 to 46	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
Remote Control			Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired / Wireless	Wired	Wired
Drain Pipe	Material		PVC	PVC	Steel	Steel	Steel	Steel	Steel	Steel
	Size		Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	Outer 38.1 / Inner 35.7	Outer 38.1 / Inner 35.7	Outer 38.1 / Inner 35.7	Outer 38.1 / Inner 35.7	Outer 25.4 / Inner 23.4	Outer 25.4 / Inner 23.4

Note: Specifications are based on the following conditions.

Cooling: Indoor temperature of 27 °CDB / 19 °CWB and outdoor temperature of 35 °CDB/24 °CWB.

Standard static pressure : 0 Pa (ARAG 12 / 18LL) : 47 Pa (ARAG 30 / 36LM) : 100 Pa (ARYC 45 / 54LC)

: 30 Pa (ARAG 24LM) : 60 Pa (ARAG 45LM)

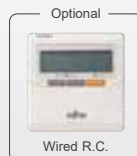
Pipe length : 7.5m (ARAG 12 / 18LL, ARAG 24 / 45LM, ARYC 45 / 54LC), 5m (ARAG 30 / 36 LM), Height difference: 0m. (Outdoor unit - Indoor unit)

Sound pressure level: Install a 2m duct to the outlet port and a 1m duct to the suction port and measure (ARAG 12 / 18LL, ARAG 24LM, ARAG 30 / 36 / 45LM)

*The maximum current and the maximum input value are the maximum values when operated within the operation (temperature) range.



Dimension : H199 X W990 X D655 (mm)



Wired R.C.

ABAG 18LV

(R) 5.20kW / (Max.) 5.90kW
(R) 17,700BTU/h / (Max.) 20,100BTU/h



ABAG 24LV

(R) 6.80kW / (Max.) 8.00kW
(R) 23,200BTU/h / (Max.) 27,300BTU/h



AOAG 18LB
AOAG 24LA

Optional parts

Wired Remote Controller : UTY-RNNYM

Wired Remote Controller : UTB-YUD-M / UTY-RNNYM (24LV)



Optional

Optional

Flexible Installation



Example for floor installation

ABAG 18LV
ABAG 24LV

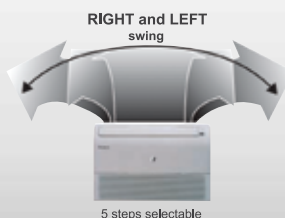


Example for ceiling installation

ABAG 18 / 24LV
ABAG 30 / 36 / 45LR

Double Auto Swing

- Combination of up / down and right / left air direction swing allows three-dimensional air direction control.
- Since up / down direction flaps operate automatically, according to the operating mode of the unit, it is possible to set the air direction based on the operating mode.



5 steps selectable

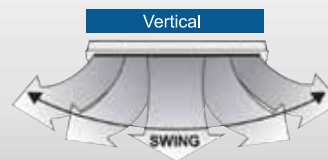
UP and DOWN



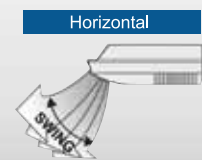
7 steps selectable

— Swing
→ Step

ABAG 18 / 24LV



Vertical



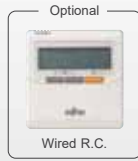
Horizontal

ABAG 30 / 36 / 45LR

Easily concealed in any installation



Dimension : H240 X W1660 X D700 (mm)



ABAG 30LR

(R) 8.50kW / (Max.) 10.00kW
(R) 29,000BTU/h / (Max.) 34,100BTU/h



For AOAG 30 / 36LR

ABAG 36LR

(R) 9.40kW / (Max.) 11.20kW
(R) 32,100BTU/h / (Max.) 38,200BTU/h



ABAG 45LR

(R) 12.10kW / (Max.) 13.30kW
(R) 41,300BTU/h / (Max.) 45,400BTU/h



AOAG 45LB

Optional parts

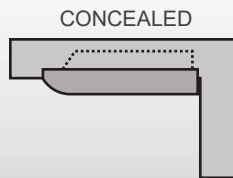
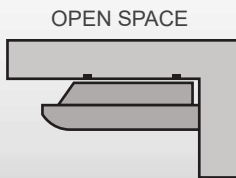
Flange (Round) : UTD-RF204

Wired Remote Controller : UTB-YUD

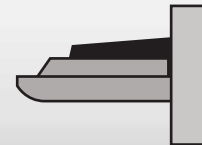
Drain Pump Unit : UTR-DPB24T



Flexible Installation



WALL MOUNTED (for high-ceiling room)



ABAG 30 / 36 / 45LR

SPECIFICATIONS

SPECIFICATIONS				FLOOR / CEILING UNIVERSAL		CEILING		
Model Name	Indoor			ABAG 18LV	ABAG 24LV	ABAG 30LR	ABAG 36LR	ABAG 45LR
	Outdoor			AOAG 18LB	AOAG 24LA	AOAG 30LB	AOAG 36LB	AOAG 45LB
Power Source (V/Ø/Hz)				230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Energy Label				2	1	2	1	1
Capacity	Cooling	Min/Rated/Max	kW	0.9 / 5.2 / 5.9	0.9 / 6.8 / 8.0	2.8 / 8.5 / 10.0	2.8 / 9.4 / 11.2	4.0 / 12.1 / 13.3
		BTU/h	3,100 / 17,700 / 20,100	3,100 / 23,200 / 27,300	9,500 / 29,000 / 34,100	9,500 / 32,100 / 38,200	13,700 / 41,300 / 45,400	
Power Consumption		Rated/Max	kW	1.55 / 2.04	2.21 / 2.85	2.54 / 3.88	2.93 / 4.22	3.77 / 4.70
Current			A	7.0 / 9.0	9.7 / 12.0	11.1 / 17.0	12.8 / 18.5	16.5 / 20.5
COP	Cooling		kW	3.35	3.08	3.35	3.21	3.21
Moisture Removal			l/h (pints/h)	2.0 (3.5)	2.7 (4.8)	2.50 (4.4)	3.0 (5.3)	4.0 (7.0)
Air Circulation	Indoor	High	m³/h	780	980	1,660	1,900	2,100
		Med		700	820	1,500	1,500	1,700
		Low		560	680	1,200	1,200	1,400
		Quiet		500	540	1,000	1,000	1,100
		Outdoor		2,000	2,470	3,600	3,800	6,750
	Fan Type x Qty			Indoor	Sirocco x 2	Sirocco x 2	Sirocco x 4	Sirocco x 4
			Outdoor	Propeller x 1	Propeller x 1	Propeller x 1	Propeller x 1	Propeller x 2
Fan Motor Output	Indoor	W	80	80	106	106	106	
	Outdoor		40	65	100	100	100	
Sound Pressure Level	Indoor	High	dB(A)	44 (floor) 43 (ceiling)	49 (floor) 48 (ceiling)	45	47	49
		Med		41 (floor) 40 (ceiling)	45 (floor) 44 (ceiling)	43	43	45
		Low		35 (floor) 34 (ceiling)	41 (floor) 40 (ceiling)	37	37	39
		Quiet		32 (floor) 31 (ceiling)	36 (floor) 35 (ceiling)	32	32	34
	Outdoor		50	52	53	54	55	
Dimensions H x W x D	Indoor	mm	199 x 990 x 655	199 x 990 x 655	240 x 1,660 x 700	240 x 1,660 x 700	240 x 1,660 x 700	
	Outdoor		578 x 790 x 300	578 x 790 x 315	830 x 900 x 330	830 x 900 x 330	1,290 x 900 x 330	
Weight	Indoor	kg (lbs)	27 (60)	27 (60)	46 (101)	46 (101)	46 (101)	
	Outdoor		40 (88)	44 (97)	61 (135)	61 (135)	86 (190)	
Pipe	Connection Method			Flare	Flare	Flare	Flare	Flare
	Size	Liquid (Ø)	mm (in)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas (Ø)		12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Max. Length		m	25	30	50	50	50
	Max. Height Difference			15	20	30	30	30
Refrigerant				R410A	R410A	R410A	R410A	R410A
Operation (Outdoor)			Cooling	°C	-10 to 46	-10 to 46	-15 to 46	-15 to 46
Remote Control		Standard / Optional			Wireless / Wired	Wireless / Wired	Wireless / Wired	Wireless / Wired
Drain Pipe	Material			PVC	PVC	ABS	ABS	ABS
	Size	mm		Outer 32.0 / Inner 25.0	Outer 32.0 / Inner 25.0	Outer 25.6 / Inner 22.0	Outer 25.6 / Inner 22.0	Outer 25.6 / Inner 22.0

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB/19°CWB and outdoor temperature of 35°CDB/24°CWB.

Pipe length : 5m (ABAG 18 / 24LV, ABAG 30 / 36LR), 7.5m (ABAG 45LR) Height difference : 0m. (Outdoor unit - Indoor unit)

* The maximum current and the maximum input value are the maximum values when operated within the operation (temperature) range.

Optional Parts

Flange (Round)
Model : UTD-RF204



Flange (Square)
Model : UTD-SF045T



Long-Life Filter
Model : UTD-LF25NA



Long-Life Filter
Model : UTD-LF60KA



Remote Sensor Unit
Model : UTD-RS100
New amenity space can be offered by installing the Remote sensor in the remote controller.



External Control Set

Model : UTD-ECS5A
Use to connect with various peripheral devices and air conditioner PC board.



Simple Remote Controller

Model : UTB-YPB



Wired Remote Controller

Model : UTB-YUD



Wireless Remote Controller

Model : UTB-YNA



Drain Pump Unit

Model : UTZ-PX1BBA
Model : UTZ-PX1NBA



Drain Pump Unit

Model : UTR-DPB24T



IR Receiver Unit

Model : UTY-LRHY1
Model : UTY-LRJY1



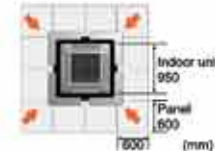
IR Receiver Kit

Model : UTY-LRHYA1



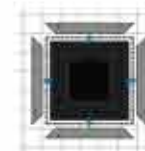
Wide Panel

Model : UTG-AGYA-W



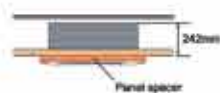
Additional Grille

Model : UTG-AGEA-W



Panel Spacer

Model : UTG-BGYA-W



Air Outlet Shutter Plate

Model : UTR-YDZC
Shuts the air outlet when only using as 2 or 3 blow out.



Air Outlet Shutter Plate

Model : UTR-YDZB
Shuts the air outlet when only using as 2 or 3 blow out.



Fresh Air Intake Kit

Model : UTZ-VXGA



Half Concealed Kit

Model : UTR-STA
This kit is used to half conceal floor type indoor unit into the wall.



Summary Table

		Simple Remote Controller : UTD-ECS5A	Wired Remote Controller : UTB-YUD	Drain Pump Unit : UTR-DPB24T	IR Receiver Unit : UTY-LRHY1	IR Receiver Kit : UTY-LRHYA1	Wide Panel : UTG-AGYA-W	Panel Spacer : UTG-BGYA-W	Air Outlet Shutter Plate : UTR-YDZC	Fresh Air Intake Kit : UTZ-VXGA	Half Concealed Kit : UTR-STA	Insulation Kit for High Humidity : UTZ-KXGA	Insulation Kit for High Humidity : UTZ-KXGC
Wall Mount	ASAA 09 / 12JG												
	ASAG 18 / 24 / 30JF												
Compact Cassette	AUAG 12 / 18 / 24LV												
Cassette	AUAG 24 / 36LR												
	AUAG 30 / 36LR												
	AUAG 45LR												
	AUYA 54LC												
Duct	ARAG 12 / 18LL												
	ARAG 24LM												
	ARAG 30 / 36 / 45LM												
	ARYA 54LC												
Floor / Ceiling Universal	ABAG 18LV / ABAG 24LV												
Ceiling	ABAG 30 / 36LR												
	ABAG 45LR												

Explanation of Features:



UP / DOWN SWING FLAPS

The up / down flaps automatically swing up and down.



DOUBLE SWING AUTOMATIC

The up / down flaps left, right, up, and down swing.



AUTOMATIC AIR FLOW ADJUSTMENT

The micro-computer automatically adjusts the air flow effectively to follow the changes of room temperature.



WEEKLY + SETBACK TIMER

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



SLEEP TIMER

The micro-computer gradually changes the room temperature automatically to provide a comfortable night's sleep.



PROGRAMME TIMER

The digital timer allows selection of one of four options : ON, OFF, ON-OFF, or OFF-ON. The unit can be turned on and off at the same time everyday with the touch of a button.



AUTO RESTART

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



CONNECTABLE FRESH AIR DUCT



FRESH AIR INTAKE

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



CONNECTABLE DISTRIBUTING DUCT



ECONOMY MODE

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



ENERGY SAVING MODE

This mode raises the set temperature slightly in the cooling mode to economically control the operation of the unit.



I-PAM CONTROL MODELS

i-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform.



V-PAM

(Vector - Pulse Amplitude Modulation)



ALL DC INVERTER TECHNOLOGY

By All DC inverter control, electricity loss is decreased and power consumption is substantially reduced.



FILTER SIGN

Indicates the filter cleaning period by lamp.



LONG-LIFE ION DEODORISATION FILTER

The filter deodorises by powerfully decomposing absorbed odours using the oxidising and reducing effects of ions generated by the ultra-fine-particle ceramic.



APPLE CATECHIN FILTER

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



EASY MAINTENANCE



WASHABLE PANEL

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