

SPLIT

9 types 65 models
















































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 - CEILING WALL
 - COMPACT CASSETTE
 - CASSETTE
 - FLOOR/CEILING
 - CEILING
 - LOW STATIC PRESSURE DUCT
 - MEDIUM STATIC PRESSURE DUCT
 - HIGH STATIC PRESSURE DUCT

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.














INVERTER : Models by Country		2.5	3.5	4.1	5.3	7.1	8.8	10.5	13.2	15.8	16.5	25.0
Capacity (kW)		9	12	14	18	24	30	36	45	54	60	90
Model Code												
 WALL MOUNTED for Vietnam	Heating & Cooling 	NEW  ASGG09LLTB-V	NEW  ASGG12LLTA-V									
	Cooling only 	NEW  ASGG09JLTB-V	NEW  ASGG12JLTB-V									
 WALL MOUNTED for India	Heating & Cooling 				 ASGG18LFC	 ASGG24LFC	 ASGG30LFC					

INVERTER : Common Models		2.5	3.5	4.1	5.3	7.1	8.8	10.5	13.2	15.8	16.5	25.0
Capacity (kW)		9	12	14	18	24	30	36	45	54	60	90
Model Code												
WALL MOUNTED	Heating & Cooling 	 ASHG09LUCA	 ASHG12LUCA	 ASHG14LUCA								
	Cooling only 	 ASGG09JLCA	 ASGG12JLCA									
	Cooling only 				 ASGA18JCC	 ASGA24JCC	 ASGA30JCC					
COMPACT CASSETTE / CASSETTE	Heating & Cooling 	 AUGG12LVLA-A		 AUGG18LVLA-A		 AUGG24LVLA	 AUGG30LRLA-A	 AUGG36LRLA-A	 AUGG45LRLA-A	 AUGG54LRLA-A		
FLOOR CEILING / CEILING	Heating & Cooling 			 ABGG18LVTA-A		 ABGG24LVTA	 ABGG30LRTA-A	 ABGG36LRTA-A	 ABGG45LRTA-A			
SLIM DUCT	Heating & Cooling 	 ARGG12LLLB-A		 ARGG18LLLB-A								
MEDIUM STATIC PRESSURE DUCT	Heating & Cooling 					 ARGG24LMTA	 ARGG30LMLA-A	 ARGG36LMLA-A	 ARGG45LMLA-A			






















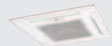





































CONSTANT SPEED

SPLIT ALL TYPE LINEUP

CONSTANT SPEED : Models by Country

Capacity (kW)	2.5	3.5	4.1	5.3	7.1	8.8	10.5	13.2	15.8	16.5	25.0
Model Code	9	12	14	18	24	30	36	45	54	60	90
 WALL MOUNTED for India	Cooling only 	 ASGA09BMTA	 ASGA12BMTA								
	Cooling only 			 ASGA18FTTA	 ASGA24FTTA						
	Cooling only				 ASGA24ACT						
	Cooling only 			 ASGA18FMTA	 ASGA24FMTA						

CONSTANT SPEED : Common Models

Capacity (kW)	2.5	3.5	4.1	5.3	7.1	8.8	10.5	13.2	15.8	16.5	25.0
Model Code	9	12	14	18	24	30	36	45	54	60	90
WALL MOUNTED	Cooling only 	NEW  ASGA09BMTA-A	NEW  ASGA12BMTA-A								
	Cooling only 			NEW  ASGA18FMTA-A	NEW  ASGA24FMTA-A						
	Cooling only	 ASGA09AEC	 ASGA12AEC	 ASGA18AET	 ASGA24AET	 ASGA30AFT					
	Cooling only			 ASG18ABC-W	 ASG24ABC-W						
	Heating & Cooling			 ASG18RBAJ	 ASG24RBAJ	 ASG30RBAJ					
CEILING WALL	Cooling only			 AWG18ABC-W	 AWG24ABC-W	 AWG30ABD-W					
	Heating & Cooling / Cooling only 		 AUG12FBAB / 12UBAB	 AUG18FBAB / 18UBAB	 AUG25FUAR / 25UUAR	 AUG30FUAR / 30UUAR	 AUG36FUAS / 36UUAS	 AUG45FUAS / 45UUAS	 AUG54FUAS / 54UUAS		
COMPACT CASSETTE / CASSETTE	Heating & Cooling / Cooling only		 AUG12ABAB / 12RBAB	 AUG18ABAB / 18RBAB	 AUG25ABAR / 25RLD-W	 AUG30ABAR / 30RLD-W	 AUG36ABAS	 AUG45ABAS / 45RLB3W	 AUG54ABAS / 54RLB3W		
	Heating & Cooling / Cooling only 			 ABG14UBBJ	 ABG18FBBJ / 18UBBJ	 ABG24FBBJ / 24UBBJ	 ABG30FBAG / 30UBAG	 ABG36FBAG / 36UBAG	 ABG45FBAG / 45UBAG	 ABG54FBAG / 54UBAG	
FLOOR CEILING / CEILING	Heating & Cooling / Cooling only			 ABG18ABAJ / 18RBAJ	 ABG24ABAJ / 24RBAJ	 ABG30ABA-W / 30RBA-W	 ABG36ABA3W / 36RBA3W	 ABG45ABA3W / 45RBA3W	 ABG54ABA3W / 54RBA3W		
	Heating & Cooling / Cooling only 			 ARG18FUAL / 18UUAL	 ARG25FUAN / 25UUAN	 ARG30FUAN / 30UUAN	 ARG36FUAN / 36UUAN	 ARG45FUAN / 45UUAN			
LOW STATIC / MEDIUM STATIC PRESSURE DUCT	Heating & Cooling / Cooling only			 ARG18ALCH	 ARG25ALC / 25RLC	 ARG30ALC / 30RLC	 ARG36ALD3 / 36RLC3	 ARG45ALC3 / 45RLC3			
	Heating & Cooling / Cooling only 								 ARG60FUAK / 60UAK	 ARG90ELC3 / 90TLC3	

FEATURE EXPLANATION

Energy Saving Function



Set temperature auto return
The setting temperature automatically returns to the previously set temperature.



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



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



Energy saving mode
This mode raises the set temperature slightly in the cooling mode and lowers the set temperature in the heating mode to economically control the operation of the unit.

Comfortable Function



Power diffuser
An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.



Powerful mode
Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.



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



Low noise mode
Sound noise level of outdoor unit can be selected.



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



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 fan speed
The micro-computer automatically adjusts the airflow 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 power supply is restored.



Connectable fresh air duct
Outside air can be introduced by attaching field supplied duct to fresh air knockout and optional part.



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



Connectable distributing duct
Systems are capable of attaching field-supplied branch ducts distributing the airflow.

Convenient Function



Auto off timer
Automatically stops operation when a fixed time has elapsed from the start of operation.



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.



Filter sign
Indicates the filter cleaning period by lamp.

Clean Function



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



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



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



All DC models



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 control models
V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology.

Feature Summary

INVERTER

WALL MOUNTED

- A ASGG09LLTB-V, ASGG12LLTA-V, ASGG09/12JLCA, ASGG09/12JLCA
- B ASGG18/24/30LFC
- C ASHG09/12/14LUCA
- D ASGA18/24/30CC

COMPACT CASSETTE

- E AUGG12/18LVLA-A, AUGG24LVLA

CASSETTE

- F AUGG30/36/45/54LRLA-A

FLOOR / CEILING

- G ABGG18LVTA-A, ABGG24LVTA

CEILING

- H ABGG30/36/45LRTA-A

SLIM DUCT

- I ARGG12/18LLLA-A

MEDIUM STATIC PRESSURE DUCT

- J ARGG24LMTA, ARGG30/36/45LMLA-A

CONSTANT SPEED

WALL MOUNTED

- K ASGA09/12BMTA, ASGA09/12BMTA-A, ASGA18/24FTTA, ASGA18/24FMTA, ASGA18/24FMTA-A, ASGA18/24AET, ASGA30AFT
- M ASGA24ACT, ASG18ABC-W, ASG24ABC-W, ASG18/24/30RBAJ
- N ASGA09/12AEC

CEILING WALL

- O AWG18/24ABC-W, AWG30ABD-W

COMPACT CASSETTE

- P AUG12/18FBAB, AUG12/18UBAB, AUG12/18ABAB, AUG12/18RBAJ

CASSETTE

- Q AUG25/30FUAR, AUG36/45/54FUAS, AUG25/30UUAJ, AUG36/45/54UUAJ, AUG25/30RLD-W, AUG45/54RLB3W
- R AUG25/30ABAR, AUG36/45/54ABAS

FLOOR/CEILING

- S ABG18/24FBBJ, ABG14/18/24UBBJ, ABG18/24ABAJ, ABG18/24RBAJ

CEILING

- T ABG30/36/45/54FBAG, ABG30/36/45/54UBAG, ABG30ABA-W, ABG36/45/54ABA3W, ABG30RBA-W, ABG36/45/54RBA3W

LOW STATIC PRESSURE DUCT

- U ARG18FUAL, ARG18UUAL, ARG18ALCH

MEDIUM STATIC PRESSURE DUCT

- V ARG25/30/36/45FUAN, ARG25/30/36/45UUAN, ARG25/30ALC, ARG36ALD3, ARG45ALC3, ARG25/30RLC / ARG36/45RLC3

HIGH STATIC PRESSURE DUCT

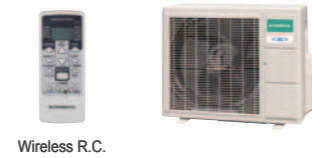
- W ARG60FUAK, ARG60UUAJ, ARG60AUAJ, ARG60RUAJ, ARG90ELC3, ARG90TLC3

	INVERTER										CONSTANT SPEED													
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	
Energy Saving Function																								
Economy mode	•	•	•	•	•	•	•	•	•	•														
Room temperature set point limitation			○																					
Set temperature auto return			○																					
Energy saving mode																		•				•	•	•
Comfortable Function																								
Power diffuser				•														•						
Powerful mode	•		•															•						
10°C HEAT operation		•	•		•		•	•																
Low Noise mode			•						○ (45/54 Types)	○ (45/54 Types)														
Auto-changeover	•	•	•	•	•	•	•	•	•	•														
Up / down swing flaps	•		•		•	•												•		•	•			
Double swing automatic		•		•				•	•									•			•	•		
Automatic fan speed	•	•	•	•	•	•	•	•	•	•								•	•	•	•	•	•	•
Auto restart	•	•	•	•	•	•	•	•	•	•								•	•	•	•	•	•	•
Connectable fresh air duct								•		•								•	•	•		•	•	
Fresh air intake					○	○			○	○													○	○ (60 Types)
Connectable distributing duct								•		•								•	•	•				•
Convenient Function																								
Auto off timer			○																					
Sleep timer	•	•	•	•	•	•	•	•	•	•								•	•	•	•	•	•	•
Program timer	•	•	•	•	•	•	•	•	•	•								•	•	•	•	•	•	•
Weekly timer			•																					• (90 Types)
Weekly + setback timer			○		○	•	○	○	•	•								○				•	•	• (60 Types)
Filter sign	•	•	•	•	•	•	•	•	•	•														
Clean Function																								
Ion deodorization filter		•	•	•														•						
Apple-catechin filter		•	•	•														•						
Washable panel	•	•	•	•														•	•					

○ : Optional function

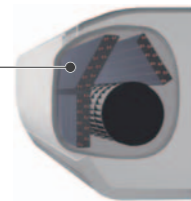
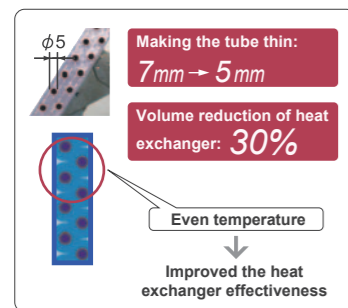


NEW Model : ASGG09LLTB-V / ASGG12LLTA-V



High Efficient Compact Design

Compact design is realized by high density multi-path heat exchanger.



Super Quiet Operation

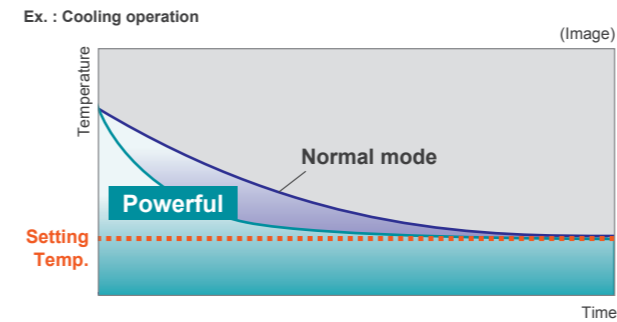
Top class low noise operation by new airflow construction. Our quiet operation makes the more comfortable environment in a bed room and a study room, etc.

Fan speed
Quiet

Noise level
22dB(A)

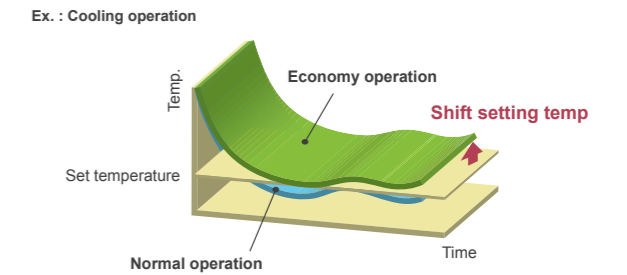
Powerful operation

Reach the setting temperature quickly.



Economy operation

Setting temp. is shifted by 1°C automatically.



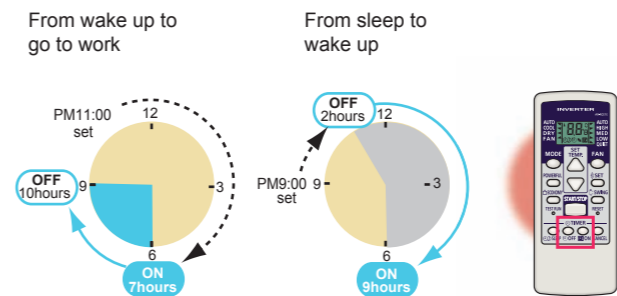
Easy maintenance

Removable & washable panel



More Convenient Timer

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



Optional parts

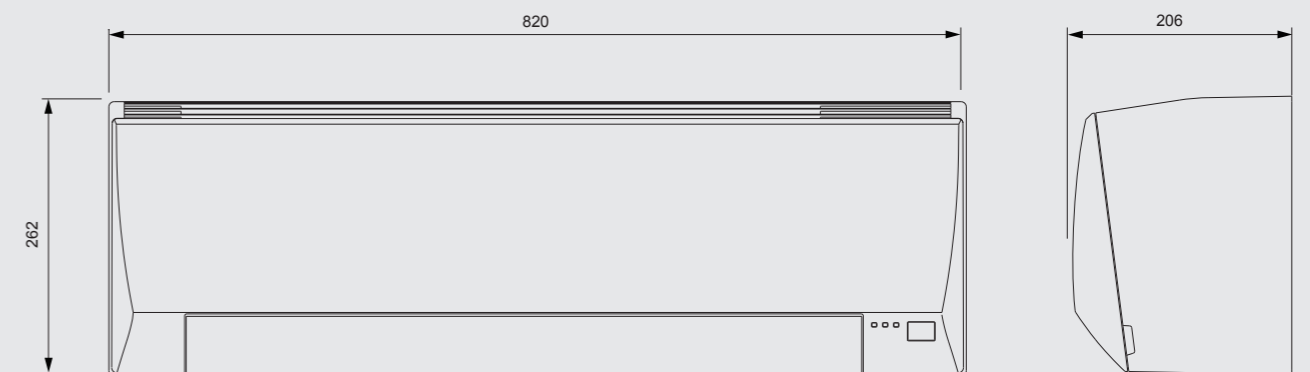
Protective net: UTZ-NXCA

Specifications

Model No.	Indoor unit		ASGG09LLTB-V		ASGG12LLTA-V	
	Outdoor unit		AOGG09LLTB-V		AOGG12LLTA-V	
Power Source	V/∅/Hz		220/1/50		220/1/50	
Capacity	Cooling	kW	2.50 (0.9-3.0)		3.40 (0.9-3.8)	
		BTU/h	8,500		11,600	
	Heating	kW	3.00 (0.9-3.8)		4.00 (0.9-5.0)	
		BTU/h	10,200		13,600	
Input Power	Cooling/Heating	kW	0.720/0.740		1.060/1.130	
EER	Cooling		3.47		3.21	
COP	Heating	W/W	4.05		3.54	
Running Current	Cooling/Heating	A	3.6/3.6		5.3/5.5	
Moisture Removal		l/h	1.3		1.8	
Sound Pressure	Indoor (High)	dB(A)	43		43	
	Outdoor		47		50	
Airflow Rate (High)	Indoor	m³/h	720		720	
	Outdoor		1,670		1,830	
Net Dimension HxWxD	Indoor	mm	262x820x206		262x820x206	
		kg(lbs)	7.0 (15)		7.0 (15)	
Net Weight	Outdoor	mm	540x660x290		540x660x290	
		kg(lbs)	25.0 (55)		28.0 (62)	
Piping Connections (Small / Large)		mm	6.35/9.52		6.35/9.52	
Drain Pipe Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7		13.8/15.8 to 16.7	
Max Pipe Length (Pre-Charge)		m	20(15)		20(15)	
Max Height Difference			15		15	
Operation Range	Cooling	°CDB	18 to 46		18 to 46	
	Heating		-15 to 24		-15 to 24	
Refrigerant			R410A		R410A	

Dimensions Models: ASGG09LLTB-V / ASGG12LLTA-V

(Unit : mm)



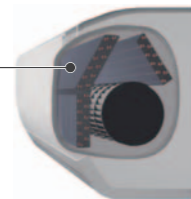
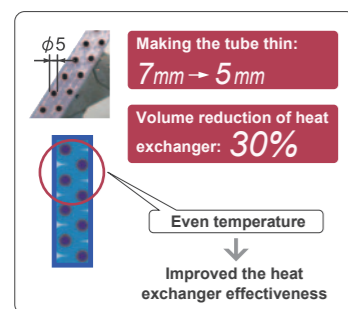


NEW Model : ASGG09JLTB-V / ASGG12JLTB-V



High Efficient Compact Design

Compact design is realized by high density multi-path heat exchanger.



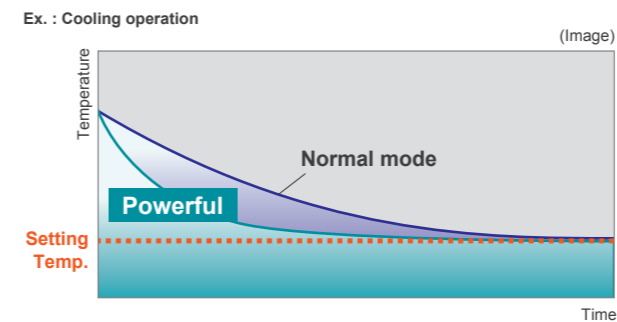
Super Quiet Operation

Top class low noise operation by new airflow construction. Our quiet operation makes the more comfortable environment in a bedroom and a study room, etc.

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

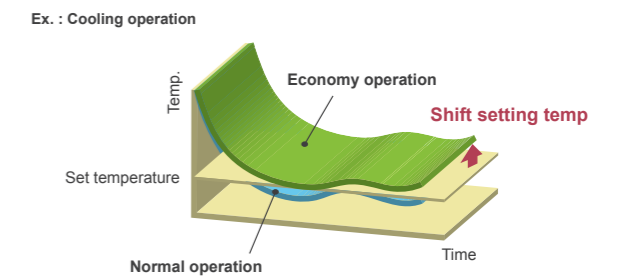
Powerful operation

Reach the setting temperature quickly.



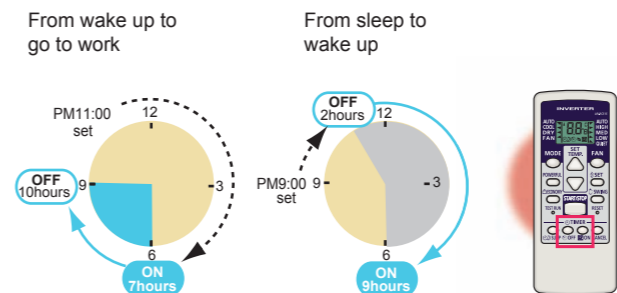
Economy operation

Setting temp. is shifted by 1°C automatically.



More Convenient Timer

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



Easy maintenance

Removable & washable panel



Optional parts

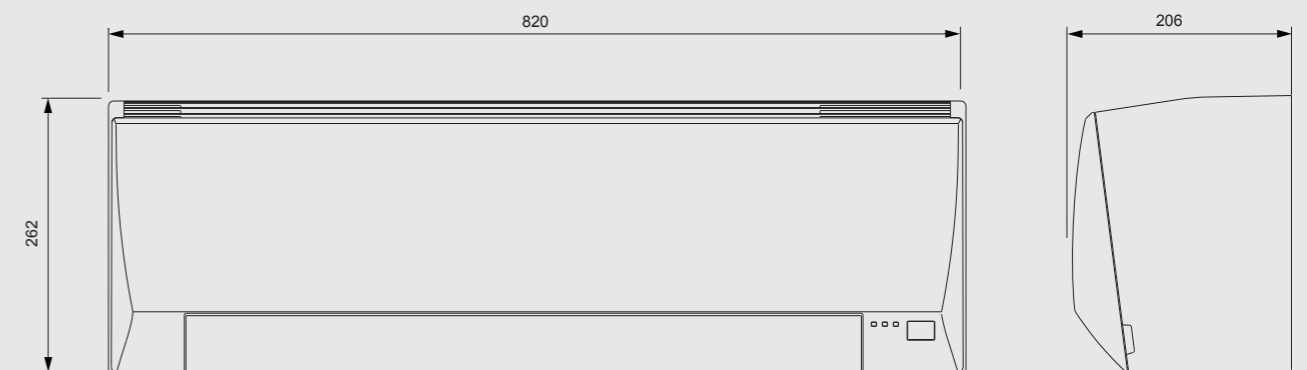
Protective net: UTZ-NXCA

Specifications

Model No.	Indoor unit		ASGG09JLTB-V	ASGG12JLTB-V
	Outdoor unit		AOGG09JLTB-V	AOGG12JLTB-V
Power Source	V/Ø/Hz		220/1/50	220/1/50
Capacity	Cooling	kW	2.50 (0.9-3.0)	3.40 (0.9-3.8)
		BTU/h	8,500	11,600
Input Power	Cooling	kW	0.720	1.060
EER	Cooling	W/W	3.47	3.21
Running Current	Cooling	A	3.6	5.3
Moisture Removal		l/h	1.3	1.8
Sound Pressure	Indoor (High)	dB(A)	43	43
			Outdoor	47
Airflow Rate (High)	Indoor	m³/h	720	720
			Outdoor	740
Net Dimension HxWxD	Indoor	mm	262x820x206	262x820x206
		kg(lbs)	7.0 (15)	7.0 (15)
Net Weight	Outdoor	mm	540x660x290	540x660x290
		kg(lbs)	25.0 (55)	28.0 (62)
Piping Connections (Small / Large)			6.35/9.52	6.35/9.52
Drain Pipe Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	20(15)	20(15)
Max Height Difference			15	15
Operation Range	Cooling	°CDB	18 to 46	18 to 46
Refrigerant			R410A	R410A

Dimensions Models: ASGG09JLTB-V / ASGG12JLTB-V

(Unit : mm)





Model : ASGG18LFCD / ASGG24LFCD / ASGG30LFCD



Wireless R.C.



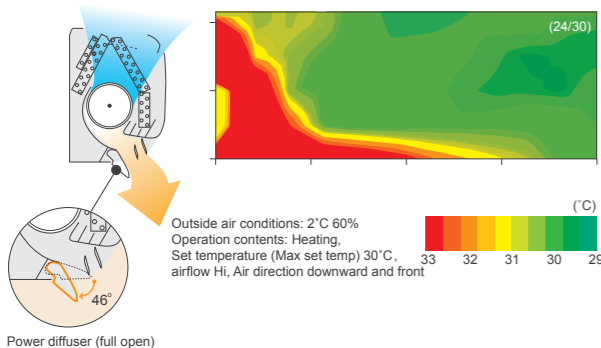
For ASGG18/24LFCD



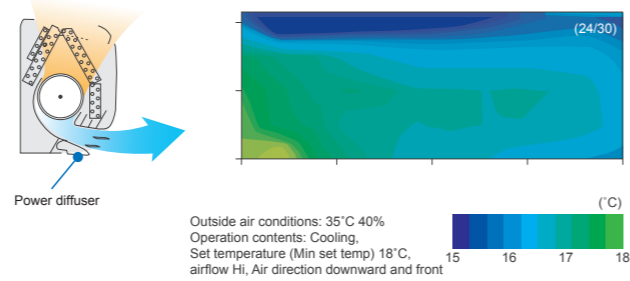
For ASGG30LFCD



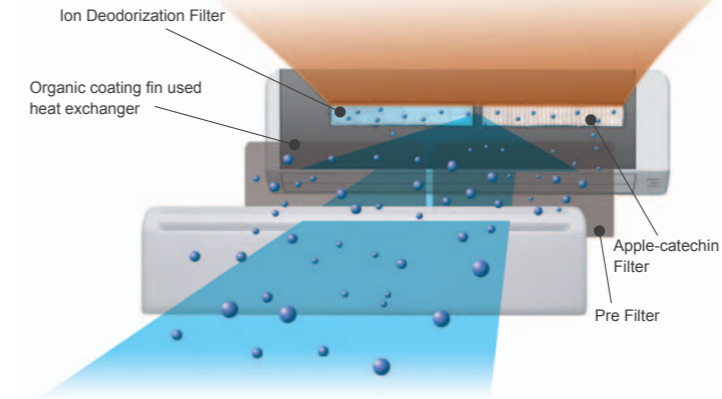
“Vertical airflow” provides powerful floor level heating



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

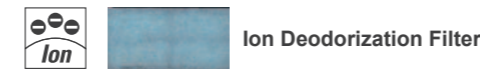


Air conditioner filter features



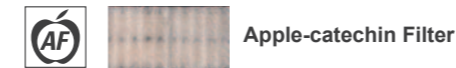
Antibacterial deodorizing pre-filter with special ceramic powder

Air conditioner filter features



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

✦ Using different filters at both sides



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

Flexible Installation

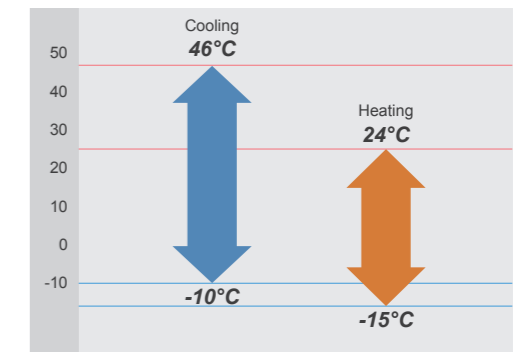
	18 type	24 type	30 type
Max. Piping Length	25m	30m	50m
Max. Height	20m	20m	30m

Easy maintenance

Simplification of drain pan cleaning improves maintenance-ability.

Low ambient operation

(Heat pump type)



Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller: UTY-RSNGM
- External Connect Kit: UTY-XWZX

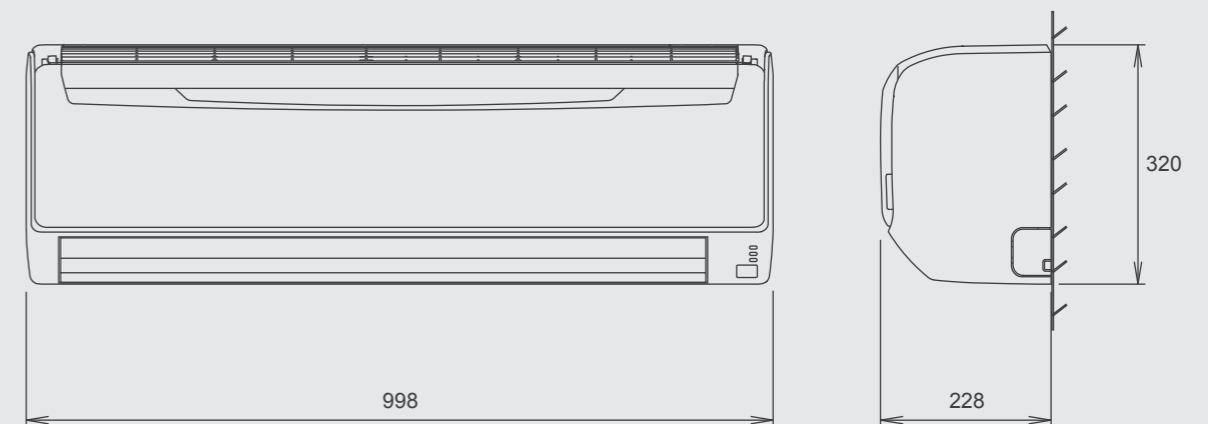
Specifications

Model No.	Indoor unit		ASGG18LFCD	ASGG24LFCD	ASGG30LFCD
	Outdoor unit		AOGG18LFCD	AOGG24LFCD	AOGG30LFTD
Power Source	V/∅/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)
		BTU/h	17,700 (3,100-20,500)	24,200 (3,100-27,300)	27,300 (9,900-30,700)
	Heating	kW	6.30 (0.9-9.1)	8.00 (0.9-10.6)	8.80 (2.2-11.0)
		BTU/h	21,500 (3,100-31,000)	27,300 (3,100-36,200)	30,000 (7,500-37,600)
Input Power	Cooling/Heating	kW	1.52/1.71	2.20/2.21	2.49/2.44
EER	Cooling		3.42	3.23	3.21
COP	Heating	W/W	3.68	3.61	3.61
Max. Running Current	Cooling/Heating	A	9.0/12.5	13.5/18.5	17.0/19.0
Moisture Removal		l/h	2.5	2.7	2.7
Sound Pressure	Indoor (High)	dB(A)	43	49	48
	Outdoor		50	55	53
Airflow Rate (High)	Indoor	m³/h	900	1,120	1,100
	Outdoor		2,150	2,460	3,600
Net Dimension HxWxD	Indoor	mm	320x998x228	320x998x228	320x998x228
		kg(lbs)	14(31)	14(31)	14(31)
Net Weight	Outdoor	mm	620x790x290	620x790x290	830x900x330
		kg(lbs)	41(90)	41(90)	61(135)
Piping Connections (Small / Large)		mm	6.35/12.7	6.35/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	12.0/16.0	12.0/16.0	12.0/16.0
Max Pipe Length (Pre-Charge)		m	25(15)	30(15)	50(20)
Max Height Difference			20	20	30
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A

Dimensions

Models: ASGG18LFCD / ASGG24LFCD / ASGG30LFCD

(Unit : mm)



INVERTER

WALL MOUNTED

Model : ASHG09LUCA / ASHG12LUCA / ASHG14LUCA

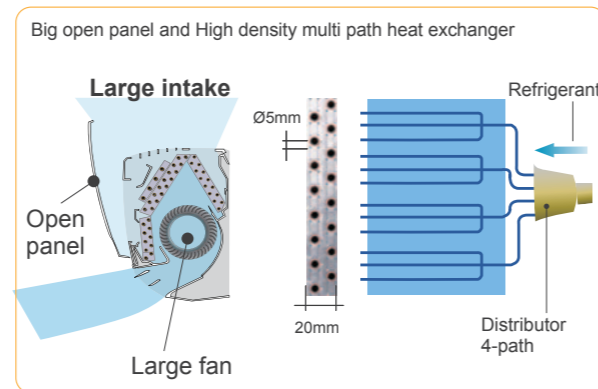


Thin & Slim design

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

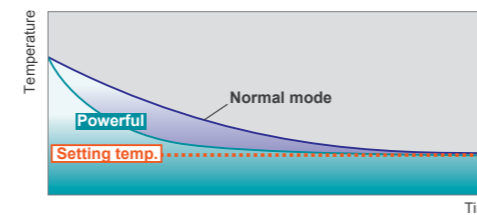


H282 X W870 X D185



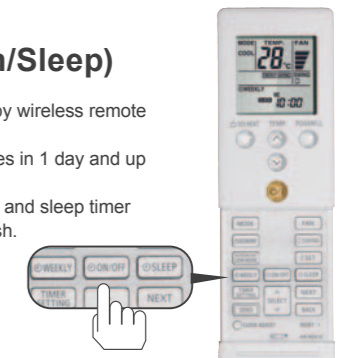
Powerful operation

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



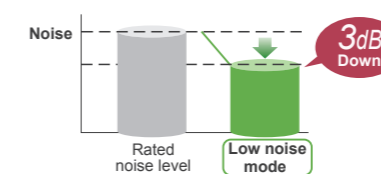
3 Mode timer (Weekly/Program/Sleep)

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.

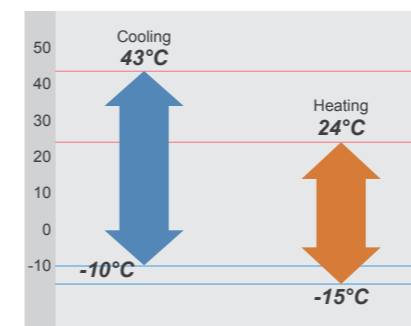


Low noise mode for outdoor unit

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



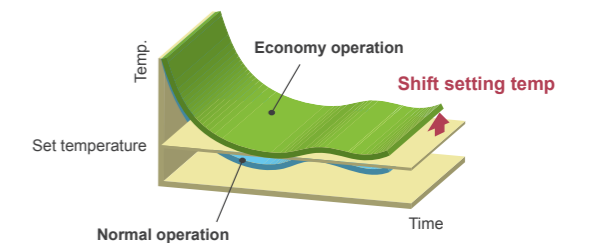
Low ambient operation



Economy operation

Setting temp. is shifted by 1°C automatically.

Ex. : Cooling operation



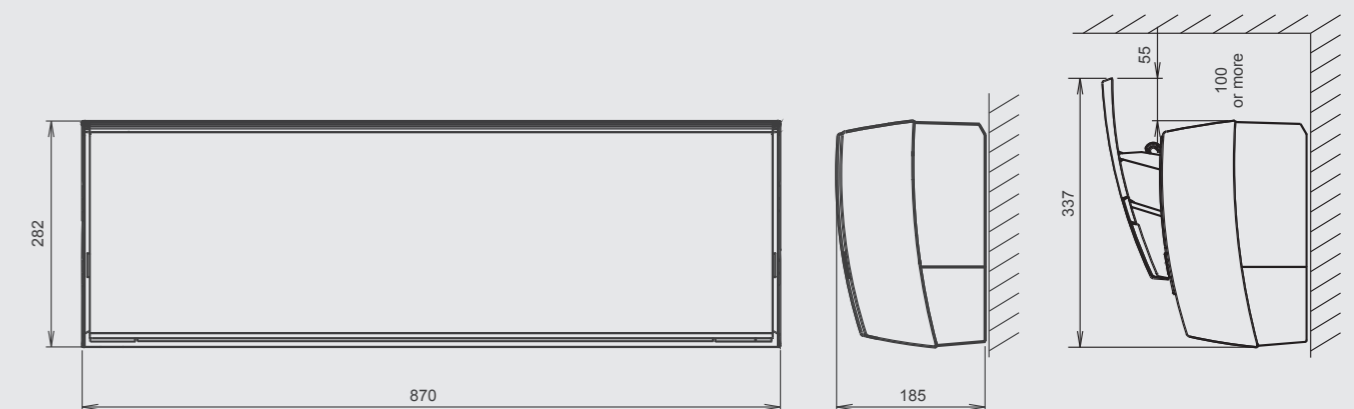
Optional parts

- Wired Remote Controller: UTY-RNNGM, UTY-RVNGM
- Simple Remote Controller: UTY-RSNGM
- Communication Kit: UTY-TWBXF
- External Connect Kit: UTY-XWZXZ5

Specifications

Model No.	Indoor unit		ASHG09LUCA	ASHG12LUCA	ASHG14LUCA
	Outdoor unit		AOHG09LUCB	AOHG12LUC	AOHG14LUC
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	2.5(0.5~3.2)	3.5(0.9~4.0)	4.2(0.9~5.0)
		BTU/h	8,500(1,700-10,900)	11,900(3,100-13,600)	14,300(3,100-17,100)
	Heating	kW	3.2(0.5~4.2)	4.0(0.9~5.6)	5.4(0.9~6.0)
		BTU/h	10,900(1,700-14,300)	13,600(1,700-19,100)	18,400(1,700-20,500)
Input Power	Cooling/Heating	kW	0.555/0.680	0.905/0.930	1.235/1.380
EER	Cooling		4.50	3.87	3.40
COP	Heating	W/W	4.71	4.30	3.91
Running Current	Cooling/Heating	A	3.1/3.4	4.6/4.7	5.8/6.3
Moisture Removal		l/h	1.3	1.8	2.1
Sound Pressure	Indoor (High)	dB(A)	42	43	45
	Outdoor		48	50	50
Airflow Rate (High)	Indoor	m³/h	800	850	900
	Outdoor		1,720	1,940	1,940
Net Dimension HxWxD	Indoor	mm	282x870x185	282x870x185	282x870x185
	Outdoor	kg(lbs)	9.5(21)	9.5(21)	9.5(21)
Net Weight	Indoor	mm	540x660x290	540x790x290	540x790x290
	Outdoor	kg(lbs)	25.0(55)	33.0(73)	34.0(75)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52	6.35/12.70
Drain Pipe Diameter (I.D./O.D.)		mm	16.0/29.0	16.0/29.0	16.0/29.0
Max Pipe Length (Pre-Charge)		m	20(15)	20(15)	20(15)
Max Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A

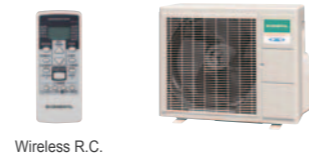
Dimensions Models: ASHG09LUCA / ASHG12LUCA / ASHG14LUCA



INVERTER

WALL MOUNTED

Model : ASGG09JLCA / ASGG12JLCA

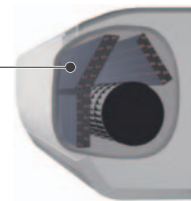
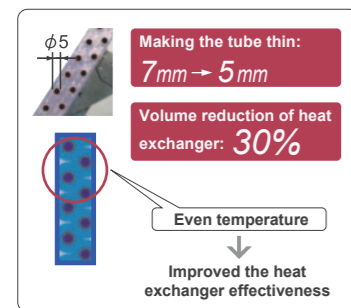


Wireless R.C.



High Efficient Compact Design

Compact design is realized by high density multi-path heat exchanger.



Super Quiet Operation

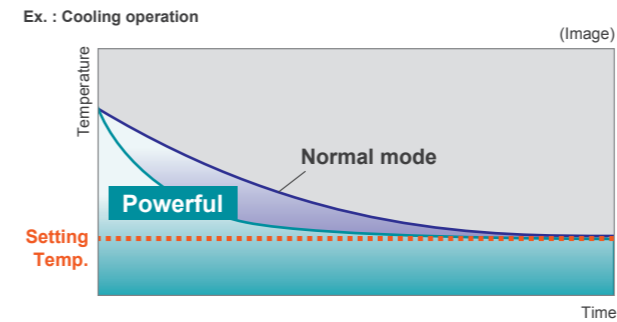
Top class low noise operation by new airflow construction. Our quiet operation makes the more comfortable environment in a bed room and a study room, etc.

Fan speed
Quiet

Noise level
22dB(A)

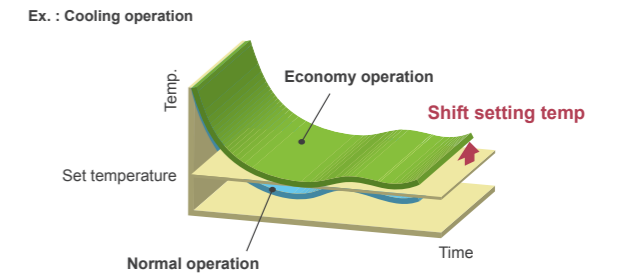
Powerful operation

Reach the setting temperature quickly.



Economy operation

Setting temp. is shifted by 1°C automatically.



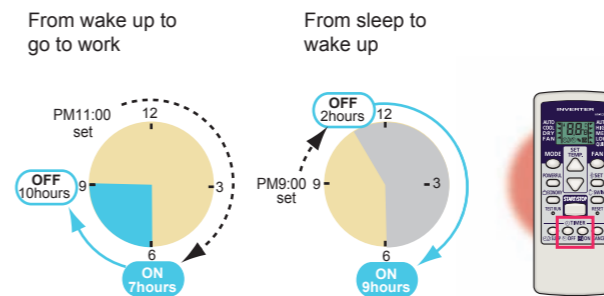
Easy maintenance

Removable & washable panel



More Convenient Timer

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

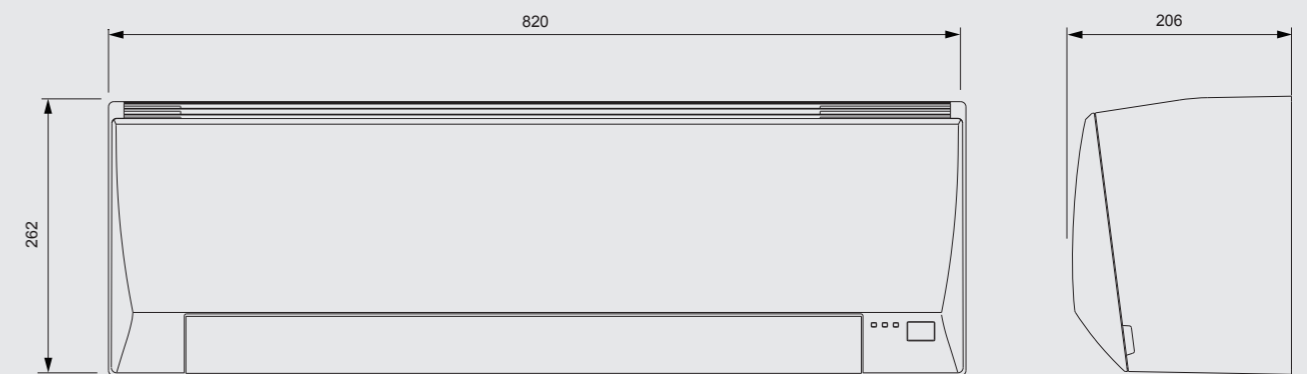


Specifications

Model No.	Indoor unit		ASGG09JLCA	ASGG12JLCA
	Outdoor unit		AOGG09JLCA	AOGG12JLCA
Power Source	V/∅/Hz		230/1/50	230/1/50
Capacity	Cooling	kW	2.5	3.5
		BTU/h	8,500	11,900
Input Power	Cooling	kW	0.73	1.095
EER	Cooling	W/W	3.42	3.20
Running Current	Cooling	A	3.8	5.1
Moisture Removal	l/h		1.3	1.8
Sound Pressure	Indoor (High)	dB(A)	43	43
	Outdoor		48	52
Airflow Rate (High)	Indoor	m³/h	720	720
	Outdoor		1,710	1,850
Net Dimension H×W×D	Indoor	mm	262x820x206	262x820x206
		kg(lbs)	7.0 (15)	7.0 (15)
Net Weight	Outdoor	mm	535x663x293	535x663x293
		kg(lbs)	24.0 (53)	26.0 (57)
Piping Connections (Small / Large)	mm		6.35/9.52	6.35/9.52
Drain Pipe Diameter (I.D./O.D.)	mm		13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)	m		15(10)	15(10)
Max Height Difference	m		10	10
Operation Range	Cooling	°CDB	18 to 46	18 to 46
Refrigerant			R410A	R410A

Dimensions Models: ASGG09JLCA / ASGG12JLCA

(Unit : mm)



INVERTER

WALL MOUNTED

Model : ASGA18JCC / ASGA24JCC / ASGA30JCC



Wireless R.C.



For ASGA18/24JCC



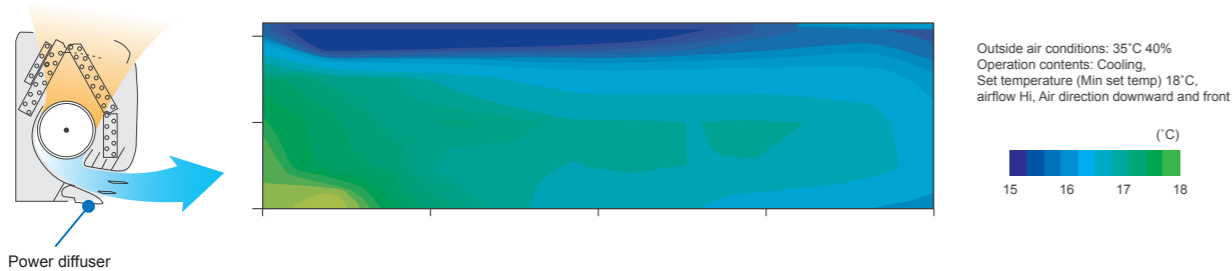
For ASGA30JCC



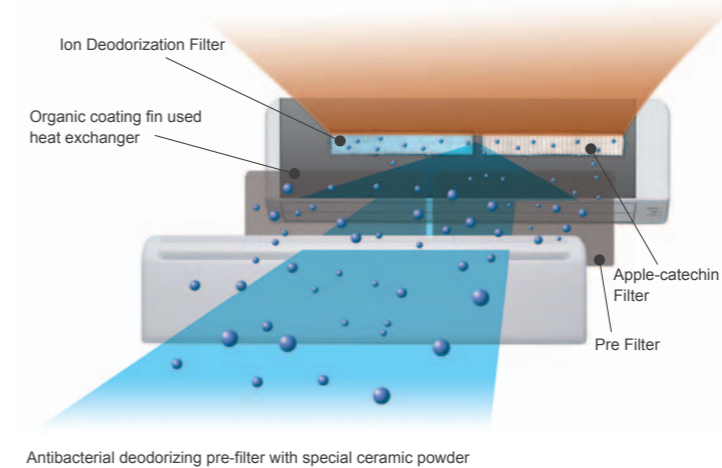
Comfort airflow

Power diffuser

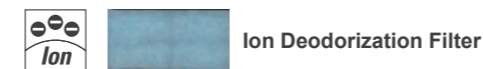
"Horizontal airflow" does not blow cool air directly at the occupants in the room



Air conditioner filter features

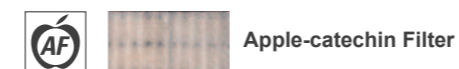


Air conditioner filter features



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

✦ Using different filters at both sides



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

Flexible Installation

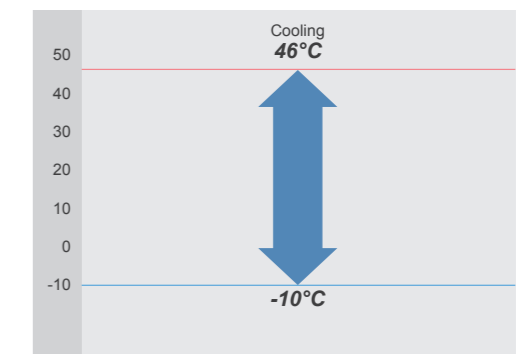
	18 type	24 type	30 type
Max. Piping Length	25m	30m	50m
Max. Height	20m	20m	30m

Easy maintenance

Simplification of drain pan cleaning improves maintenance-ability.

Low ambient operation

(Heat pump type)



Optional parts

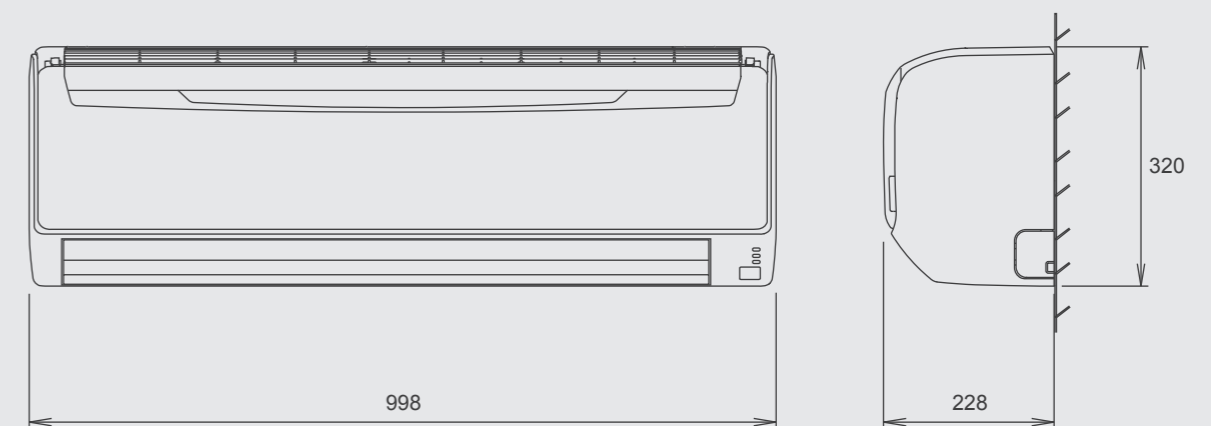
Wired Remote Controller: UTB-GUD
External Connect Kit: UTY-XWZX

Specifications

Model No.	Indoor unit		ASGA18JCC	ASGA24JCC	ASGA30JCC
	Outdoor unit		AOGR18JCC	AOGR24JCC	AOGR30JCT
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	5.2	7.1	8.0
		BTU/h	17,700	24,200	27,300
Input Power	Cooling	kW	1.48	2.45	2.66
EER	Cooling	W/W	3.51	2.9	3.01
Running Current	Cooling	A	6.6	10.8	11.7
Moisture Removal		l/h	2.8	3.0	3.0
Sound Pressure	Indoor (High)	dB(A)	43	47	49
	Outdoor		50	56	53
Airflow Rate (High)	Indoor	m³/h	900	1,100	1,100
	Outdoor		2,070	2,640	3,600
Net Dimension H×W×D	Indoor	mm	320x998x228	320x998x228	320x998x228
		kg(lbs)	14.0 (31)	14.0 (31)	14.0 (31)
Net Weight	Outdoor	mm	620x790x298	620x790x298	830x900x330
		kg(lbs)	40.0 (88)	40.0 (88)	58.0 (128)
Piping Connections (Small / Large)		mm	6.35/12.7	6.35/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	16.0/29.0	16.0/29.0	16.0/29.0
Max Pipe Length (Pre-Charge)		m	30(15)	30(15)	30(20)
Max Height Difference			20	20	20
Operation Range	Cooling	°CDB	18 to 46	18 to 46	18 to 46
Refrigerant			R410A	R410A	R410A

Dimensions Models: ASGA18JCC / ASGA24JCC / ASGA30JCC

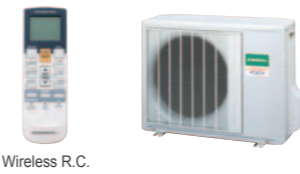
(Unit : mm)



Model : AUGG12LVLA-A / AUGG18LVLA-A / AUGG24LVLA



Grille is an option

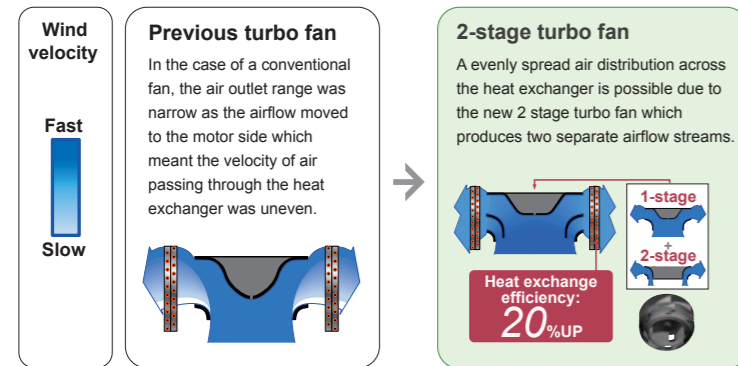


Wireless R.C.



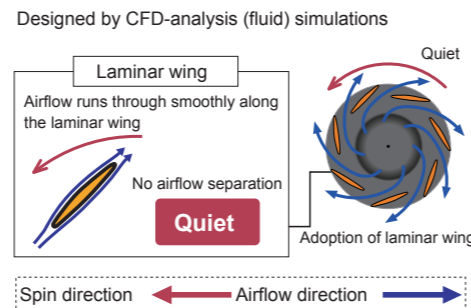
2-stage turbo fan

High efficiency design by 2 stage structure



Quiet quality

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

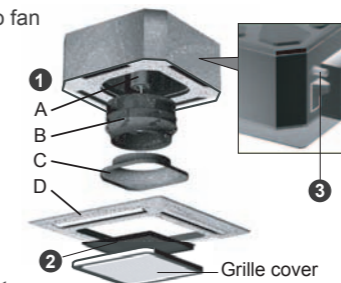


Easy maintenance

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

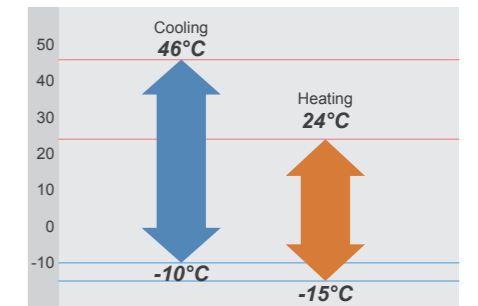
3 Adaptation of transparent drainage parts

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

High lift drain pump

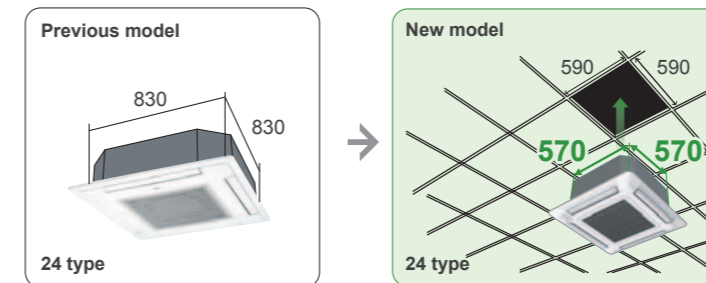


Low ambient operation



Compact design

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



Optional parts

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

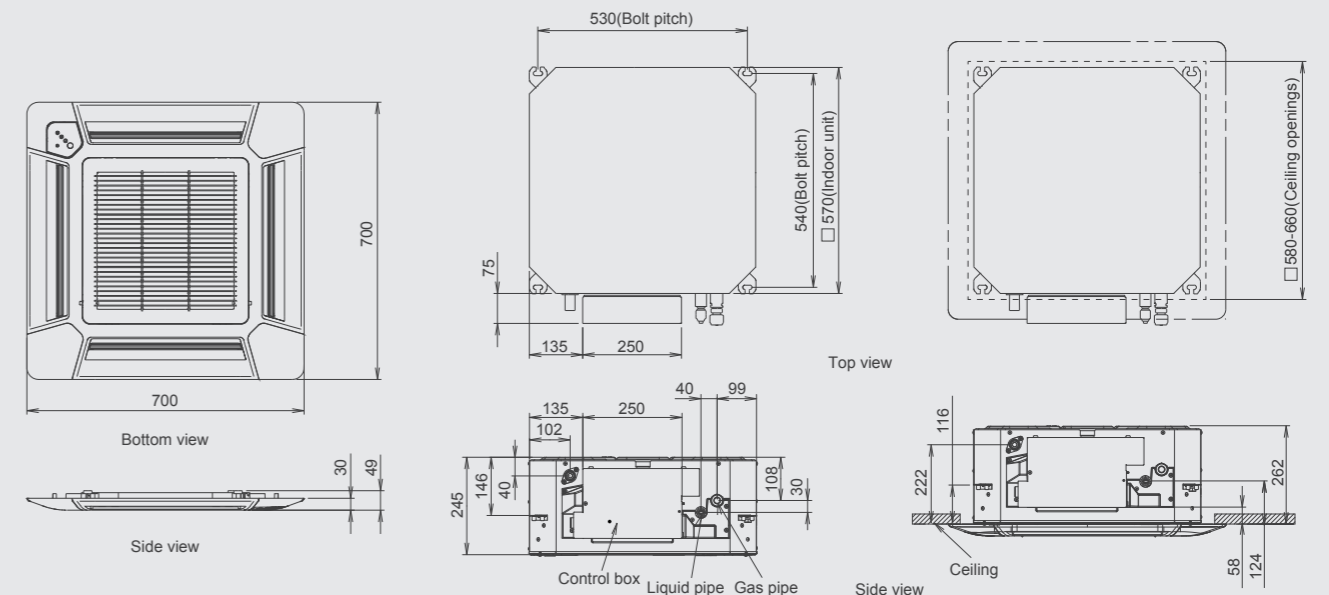
Specifications

Model No.	Indoor unit		AUGG12LVLA-A	AUGG18LVLA-A	AUGG24LVLA
	Outdoor unit		AOGG12LBLA-A	AOGG18LBLA-A	AOGG24LALA
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	3.50	5.20	6.80
		BTU/h	11,950	17,700	23,200
	Heating	kW	4.10	6.00	8.00
		BTU/h	14,000	20,500	27,300
Input Power	Cooling/Heating	kW	0.99/1.11	1.55/1.66	2.21/2.26
EER	Cooling		3.54	3.35	3.08
COP	Heating	W/W	3.69	3.61	3.54
Running Current	Cooling/Heating	A	4.5/5.1	7.0/7.4	9.7/9.9
Moisture Removal		l/h	1.2	2.2	2.7
Sound Pressure	Indoor (High)	dB(A)	37	38	49
	Outdoor		47	50	52
Airflow Rate (High)	Indoor	m³/h	600	680	930
	Outdoor		1,700	2,000	2,470
Net Dimension HxWxD	Indoor / Grille	mm	245x570x570/50x700x700	245x570x570/50x700x700	245x570x570/50x700x700
	Outdoor	kg(lbs)	15.0(33)/2.6(6)	15.0(33)/2.6(6)	16.0(35)/2.6(6)
Net Weight		mm	578x790x300	578x790x300	578x790x315
		kg(lbs)	40.0(88)	40.0(88)	44.0(97)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/12.70	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	19.4/25.4	19.4/25.4	19.4/25.4
Max Pipe Length (Pre-Charge)		m	25(15)	25(15)	30(15)
Max Height Difference			15	15	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A
Cassette Grille			UTG-UFGD-W	UTG-UFGD-W	UTG-UFGD-W

Dimensions

Models: AUGG12LVLA-A / AUGG18LVLA-A / AUGG24LVLA

(Unit : mm)



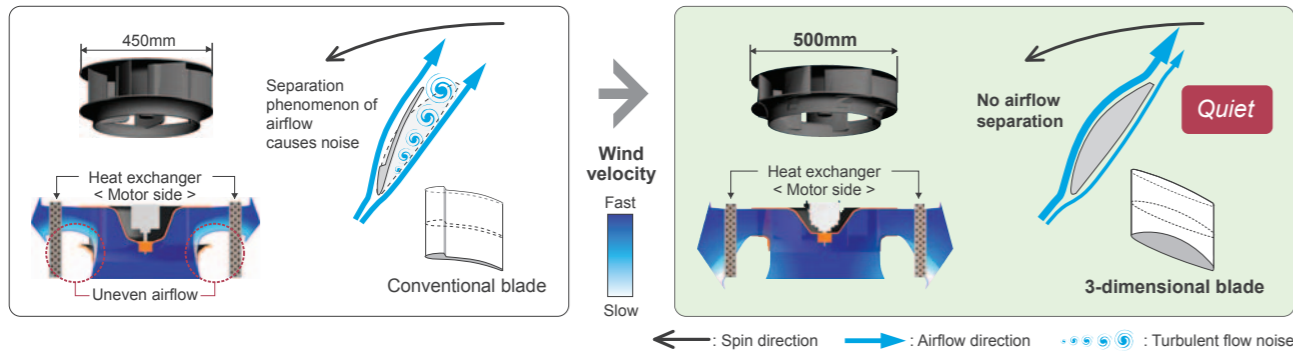
Model : AUGG30LRLA-A / AUGG36LRLA-A / AUGG45LRLA-A / AUGG54LRLA-A



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.

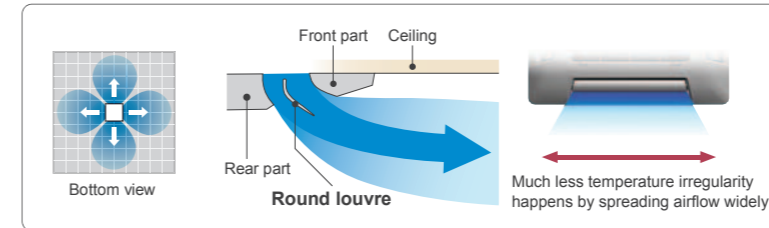


Specifications

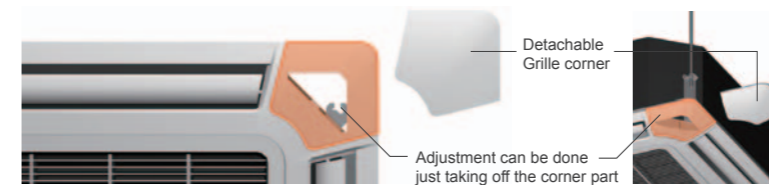
Model No.	Indoor unit		AUGG30LRLA-A	AUGG36LRLA-A	AUGG45LRLA-A	AUGG54LRLA-A
	Outdoor unit		AOGG30LBTA-A	AOGG36LBTA-A	AOGG45LBTA-A	AOGG54LBTA-A
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	8.50	10.00	12.50	13.3
		BTU/h	29,000	34,100	42,700	45,400
	Heating	kW	10.00	11.20	14.00	16.0
		BTU/h	34,100	38,200	47,800	54,600
Input Power	Cooling/Heating	kW	2.65/2.77	3.12/3.02	3.90/3.77	4.42/4.69
EER	Cooling		3.21	3.21	3.21	3.01
COP	Heating	W/W	3.61	3.71	3.71	3.41
Running Current	Cooling/Heating	A	11.6/12.2	13.7/13.3	17.0/16.5	19.3/20.5
Moisture Removal		l/h	2.5	3.5	4.5	5.0
Sound Pressure	Indoor (High)	dB(A)	40	43	46	47
	Outdoor		53	54	55	55
Airflow Rate (High)	Indoor	m³/h	1,600	1,800	1,900	2,000
	Outdoor		3,600	3,800	6,750	6,750
Net Dimension HxWxD	Indoor / Grille	mm	288x840x840/50x950x950	288x840x840/50x950x950	288x840x840/50x950x950	288x840x840/50x950x950
	Net Weight	kg(lbs)	26.0(57)/5.5(12)	26.0(57)/5.5(12)	27.0(60)/5.5(12)	27.0(60)/5.5(12)
Piping Connections (Small / Large)	Indoor	mm	830x900x330	830x900x330	1290x900x330	1290x900x330
	Outdoor	kg(lbs)	61.0(135)	61.0(135)	88.0(194)	88.0(194)
Drain Pipe Diameter (I.D./O.D.)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Max Pipe Length (Pre-Charge)		m	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max Height Difference			50(20)	50(20)	50(20)	50(20)
Operation Range	Cooling	°CDB	30	30	30	30
	Heating		-15 to 46	-15 to 46	-15 to 46	-15 to 46
Refrigerant			-15 to 24	-15 to 24	-15 to 24	-15 to 24
Cassette Grille			R410A	R410A	R410A	R410A
			UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W	UTG-UGGA-W

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.

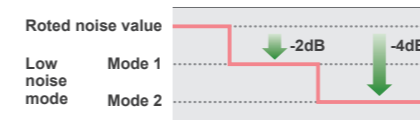


Adjustment of hanger position is possible after installation



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

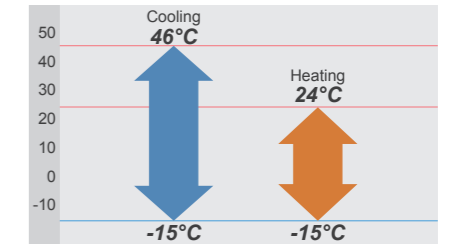
2 stage low noise mode can be selected. (Option)



High lift drain pump



Low ambient operation



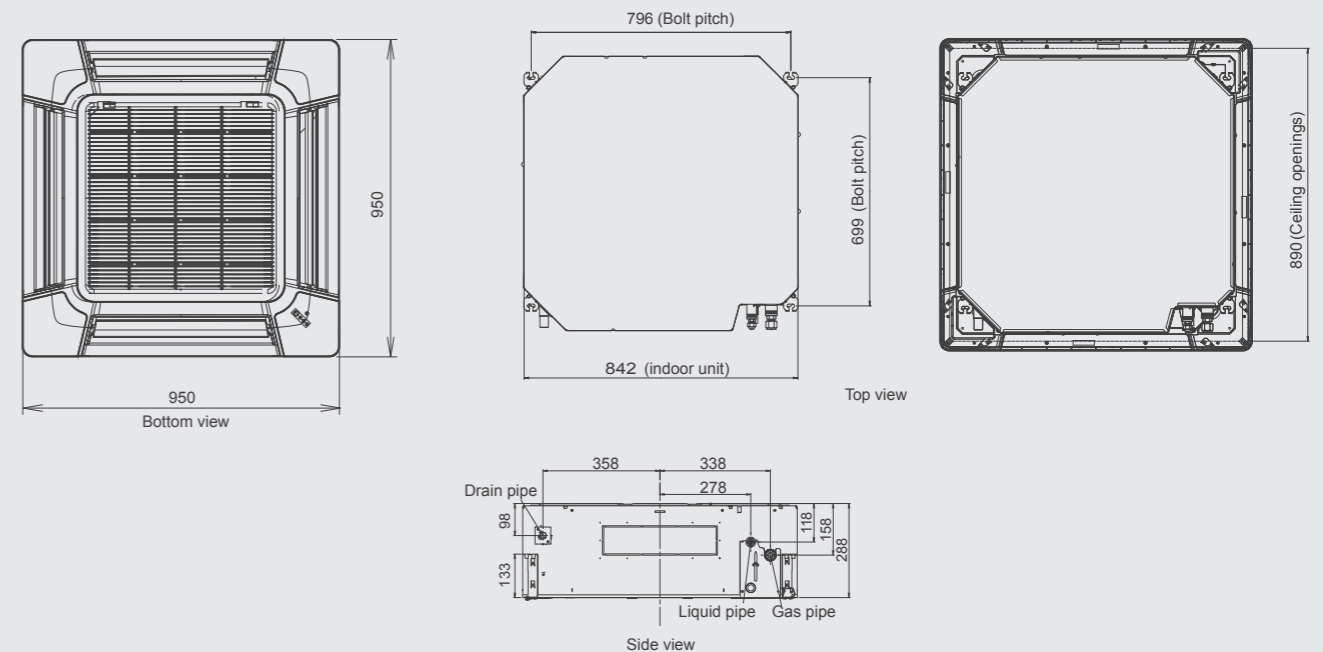
Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller: UTY-RSNGM
- IR Receiver Kit: UTY-LRHGA2
- 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: UTD-ECS5A
- Fresh Air Intake Kit: UTZ-VXGA

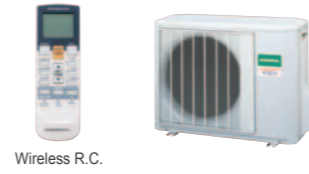
Dimensions

Models: AUGG30LRLA-A / AUGG36LRLA-A / AUGG45LRLA-A / AUGG54LRLA-A

(Unit : mm)



Model : ABGG18LVTA-A / ABGG24LVTA



Wireless R.C.



Flexible installation

Example for floor installation

Floor console



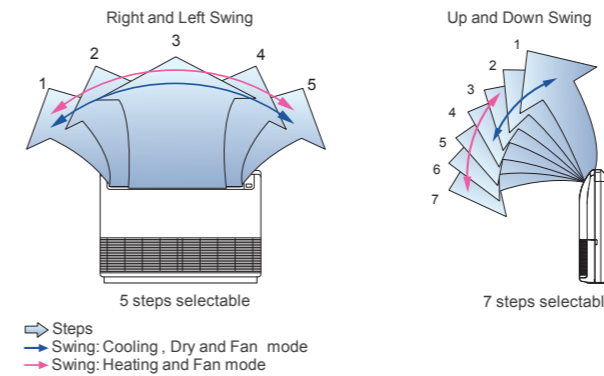
Example for ceiling installation

Under ceiling

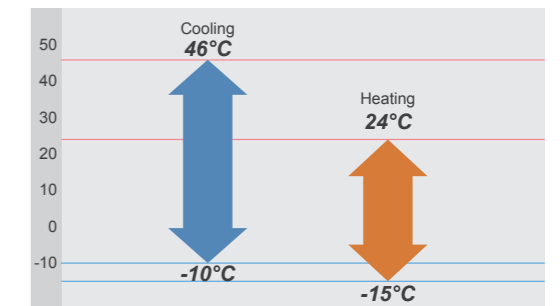


Double auto swing

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

Main work settings

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

Conventional type
Setting by DIP switch inside control box

Setting by wireless or wired remote controller
(Optional parts)

Optional parts

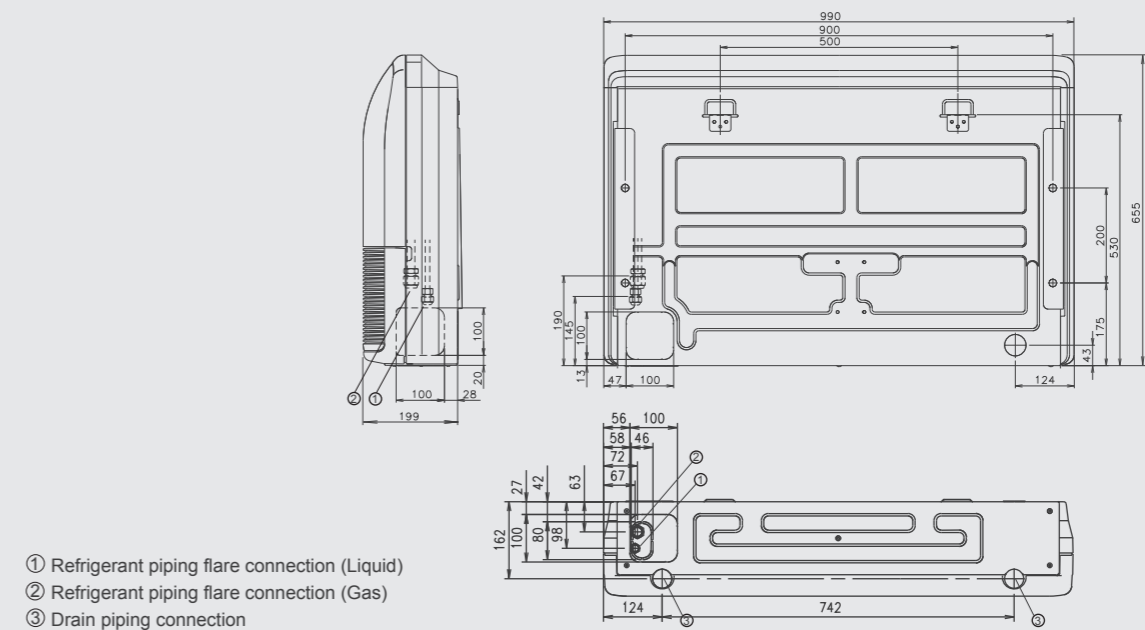
- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller: UTY-RSNGM
- External Connect Kit: UTY-XWZX

Specifications

Model No.	Indoor unit		ABGG18LVTA-A	ABGG24LVTA
	Outdoor unit		AOGG18LBLA-A	AOGG24LALA
Power Source	V/∅/Hz		230/1/50	230/1/50
Capacity	Cooling	kW	5.20	6.80
		BTU/h	17,700	23,200
	Heating	kW	6.00	8.00
		BTU/h	20,500	27,300
Input Power	Cooling/Heating	kW	1.55/1.66	2.21/2.26
EER	Cooling		3.35	3.08
COP	Heating	W/W	3.61	3.54
Running Current	Cooling/Heating	A	7.0/7.4	9.7/9.9
Moisture Removal		l/h	2.0	2.7
Sound Pressure	Indoor (High)	dB(A)	43	48
	Outdoor		50	52
Airflow Rate (High)	Indoor	m³/h	780	980
	Outdoor		2,000	2470
Net Dimension HxWxD	Indoor	mm	199x990x655	199x990x655
		kg(lbs)	27.0(60)	27.0(60)
Net Weight	Outdoor	mm	578x790x300	578x790x315
		kg(lbs)	40.0(88)	44.0(97)
Piping Connections (Small / Large)			6.35/12.70	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)		m	25(15)	30(15)
Max Height Difference			15	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant			R410A	R410A

Dimensions Models: ABGG18LVTA-A / ABGG24LVTA

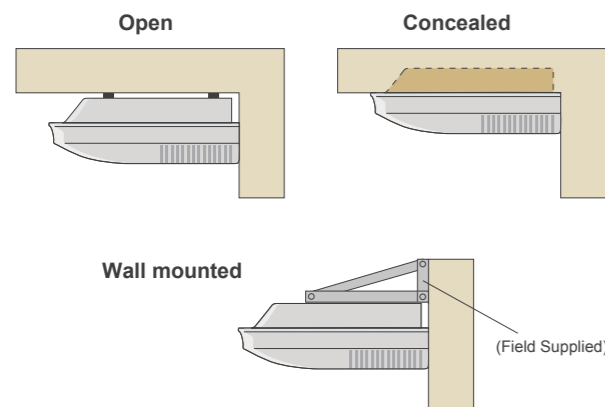
(Unit : mm)



Model : ABGG30LRTA-A / ABGG36LRTA-A / ABGG45LRTA-A

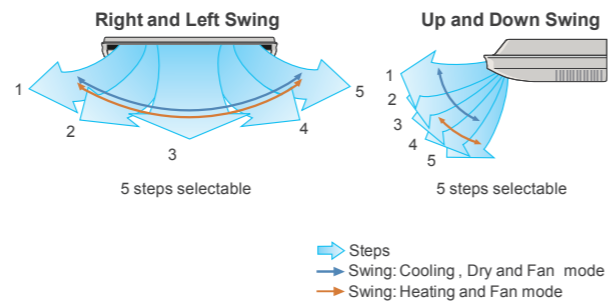


Installation



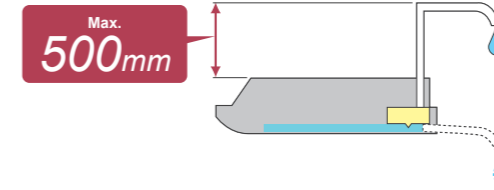
Multi auto swing

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



Condensate lift-up mechanism (Option)

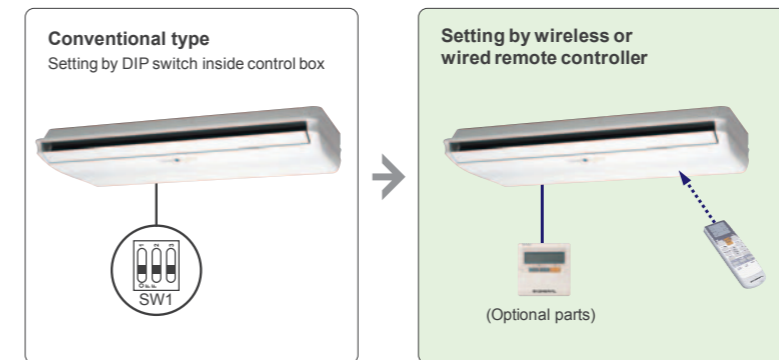
Optional drain lift-up mechanism allows flexible installation.



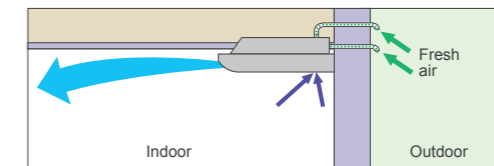
Easy installation

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



Fresh air intake

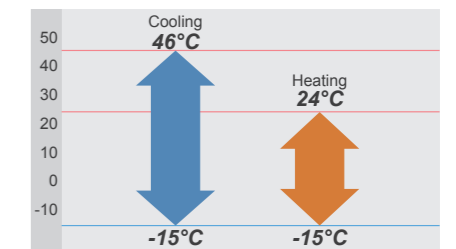


Low noise mode of outdoor unit (45/54 types)

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



Low ambient operation



Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller: UTY-RSNGM
- Drain Pump Unit: UTR-DPB24T
- External Connect Kit: UTY-XWZX, UTY-XWZXZ2, UTY-XWZXZ3
- External Control Set: UTD-ECS5A
- Flange: UTD-RF204

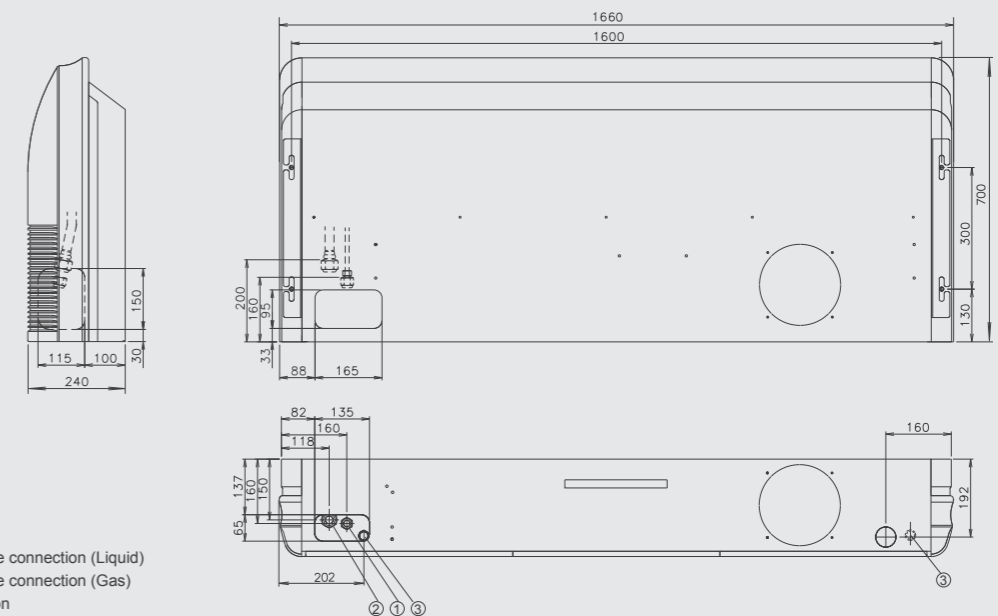
Specifications

Model No.	Indoor unit		ABGG30LRTA-A	ABGG36LRTA-A	ABGG45LRTA-A
	Outdoor unit		AOGG30LBTA-A	AOGG36LBTA-A	AOGG45LBTA-A
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	8.50	9.40	12.10
		BTU/h	29,000	32,100	41,300
	Heating	kW	10.00	11.20	13.30
		BTU/h	34,100	38,200	45,400
Input Power	Cooling/Heating	kW	2.54/2.77	2.93/3.02	3.77/3.68
EER	Cooling		3.35	3.21	3.21
COP	Heating	W/W	3.61	3.71	3.61
Running Current	Cooling/Heating	A	11.1/12.2	12.8/13.2	16.4/16.1
Moisture Removal		l/h	2.5	3.0	4.0
Sound Pressure	Indoor (High)	dB(A)	45	47	49
	Outdoor		53	55	55
Airflow Rate (High)	Indoor	m³/h	1,660	1,900	2,100
	Outdoor		3,600	3,800	6,750
Net Dimension HxWxD	Indoor	mm	240x1660x700	240x1660x700	240x1660x700
	Outdoor	kg(lbs)	46.0(101)	46.0(101)	46.0(101)
Net Weight	Indoor	mm	830x900x330	830x900x330	1290x900x330
	Outdoor	kg(lbs)	61.0(135)	61.0(135)	88.0(194)
Piping Connections (Small / Large)			9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	22.0/25.6	22.0/25.6	22.0/25.6
Max Pipe Length (Pre-Charge)		m	50(20)	50(20)	50(20)
Max Height Difference			30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A

Dimensions

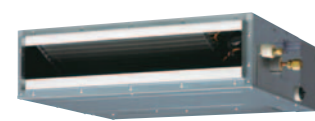
Models: ABGG30LRTA-A / ABGG36LRTA-A / ABGG45LRTA-A

(Unit : mm)

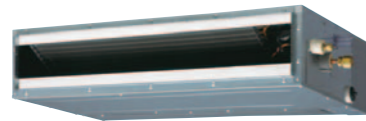


- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

Model : ARGG12LLLB-A / ARGG18LLLB-A



(12)



(18)

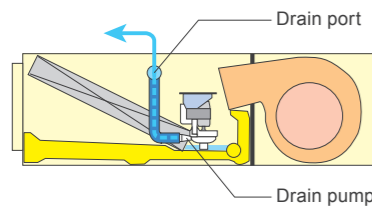


Wired R.C.



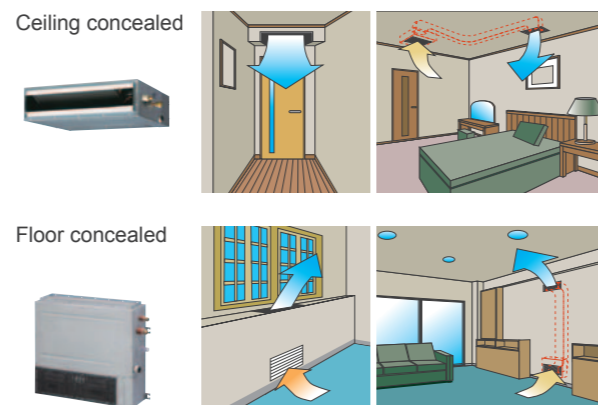
Slim design

This model is slim design, it can install at the place where a ceiling is narrow.



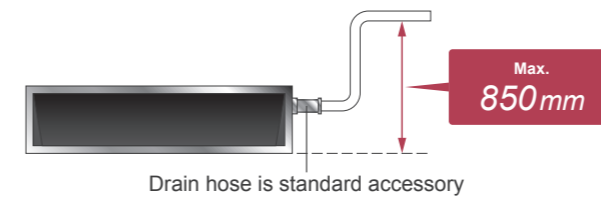
Height **198mm**
Drain pump built-in

Flexible installation



Drain pump is standard accessory

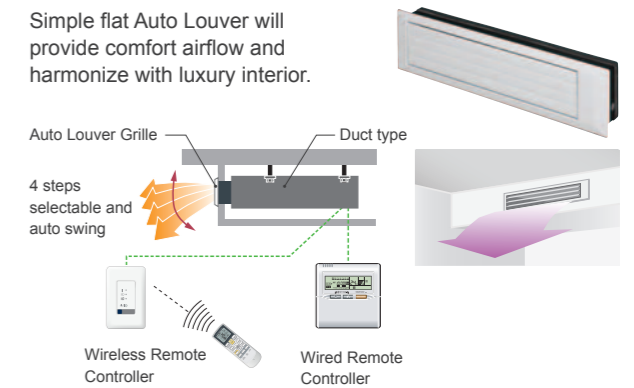
It allows flexible installation.



Drain hose is standard accessory

Auto Louver Grille Kit (Option)

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



Selectable with a wide range of static pressure

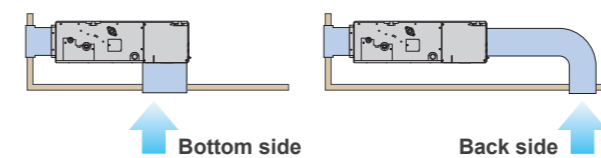
By using DC fan motor, it is possible to change the static pressure range 0 to 90Pa.

The change of static pressure range is possible by remote controller.



Air-intake

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



Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller: UTY-RSNGM
- IR Receiver Unit: UTY-LRHGM
- Remote Sensor Unit: UTY-XSZX
- External Control Set: UTD-ECS5A
- Auto Louver Grille Kit: UTD-GXSA-W (For ARGG12LLLB-A)
UTD-GXSB-W (For ARGG18LLLB-A)

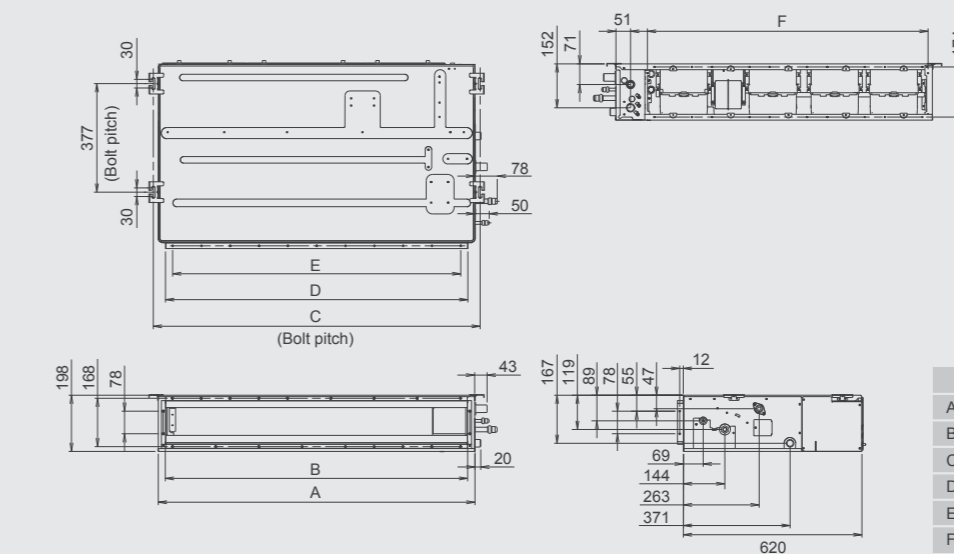
Specifications

Model No.	Indoor unit		ARGG12LLLB-A	ARGG18LLLB-A
	Outdoor unit		AOGG12LBLA-A	AOGG18LBLA-A
Power Source	V/∅/Hz		230/1/50	230/1/50
Capacity	Cooling	kW	3.50	5.20
		BTU/h	11,950	17,700
	Heating	kW	4.10	6.00
		BTU/h	14,000	20,500
Input Power	Cooling/Heating	kW	0.99/1.11	1.62/1.66
EER	Cooling		3.54	3.21
COP	Heating	W/W	3.69	3.61
Running Current	Cooling/Heating	A	4.5/5.1	7.2/7.4
Moisture Removal		l/h	1.3	2.0
Sound Pressure	Indoor (High)	dB(A)	29	32
	Outdoor		48	50
Airflow Rate (High)	Indoor	m ³ /h	650	940
	Outdoor		1,780	2,000
Net Dimension H×W×D	Indoor	mm	198x700x620	198x900x620
		kg(lbs)	19.0(42)	23.0(51)
Net Weight	Outdoor	mm	578x790x300	578x790x300
		kg(lbs)	40.0(88)	40.0(88)
Piping Connections (Small / Large)			6.35/9.52	6.35/12.70
Drain Pipe Diameter (I.D./O.D.)		mm	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)		m	25(15)	25(15)
Max Height Difference			15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Refrigerant			R410A	R410A

Dimensions Models: ARGG12LLLB-A / ARGG18LLLB-A

(Unit : mm)

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

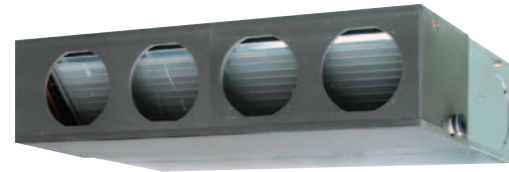


	ARGG12LLLB-A	ARGG18LLLB-A
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	574	774

INVERTER

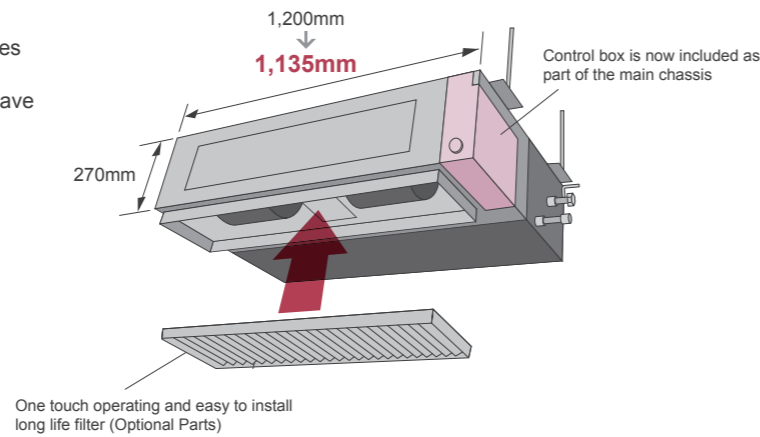
MEDIUM STATIC PRESSURE DUCT

Model : ARGG24LMTA / ARGG30LMLA-A / ARGG36LMLA-A / ARGG45LMLA-A



Slim & Compact design

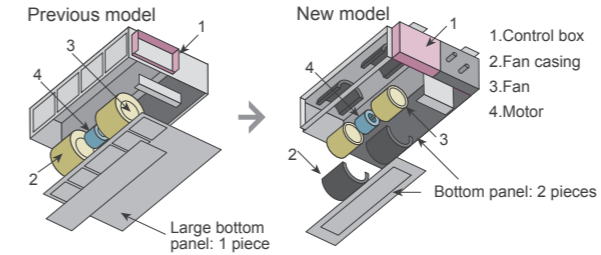
In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270mm, Further space savings have been achieved by mounting the electrical control box internally inside the chassis.



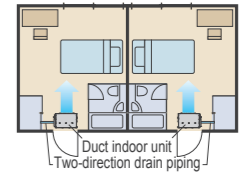
Easy maintenance

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.

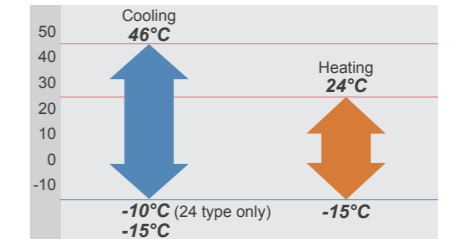
See below for the case of rear suction type



Two-direction drain piping



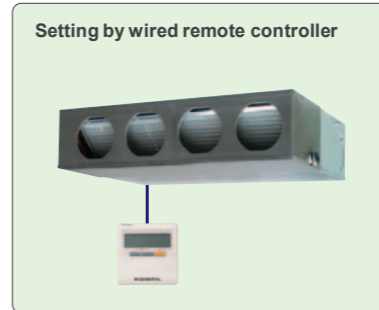
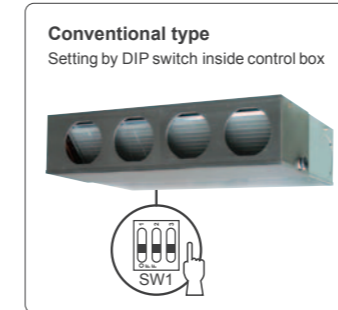
Low ambient operation



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



Optional parts

- Wired Remote Controller: UTY-RNNGM
- Simple Remote Controller: UTY-RSNGM
- Flange (Round): UTD-RF204
- Flange (Square): UTD-SF045T
- Long Life Filter: UTD-LF25NA
- Remote Sensor Unit: UTY-XSZX
- External Connect Kit: UTY-XWZXZ2, UTY-XWZXZ3
- External Control Set: UTD-ECS5A
- Drain Pump Unit: UTZ-PX1NBA
- IR Receiver Kit: UTY-LRHGM

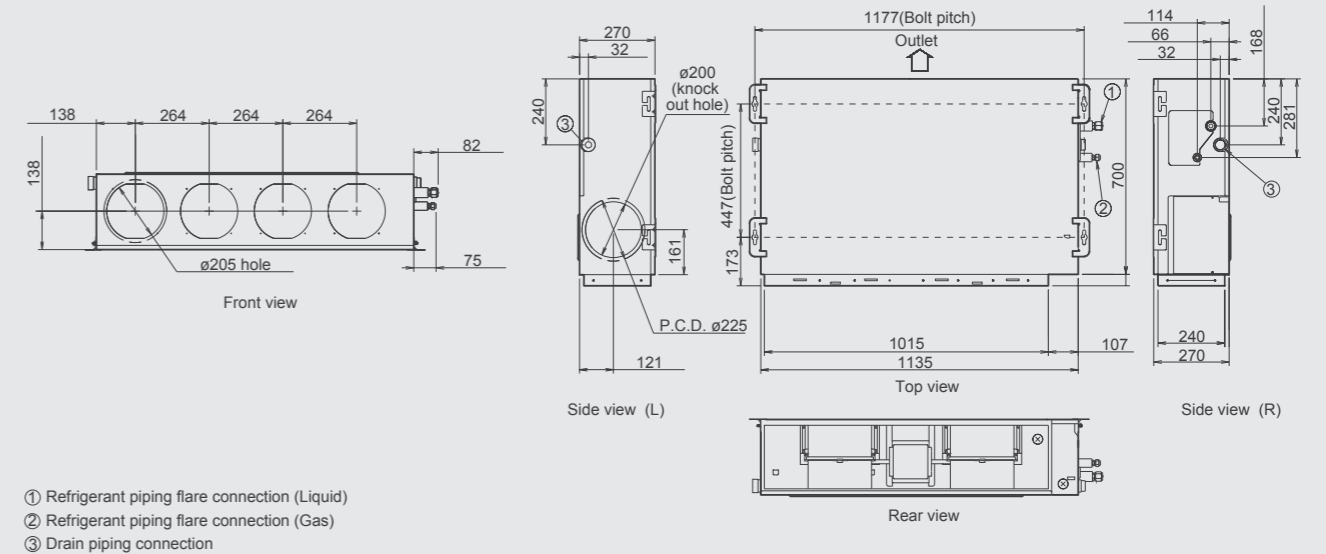
Specifications

Model No.	Indoor unit		ARGG24LMTA	ARGG30LMLA-A	ARGG36LMLA-A	ARGG45LMLA-A
	Outdoor unit		AOGG24LALA	AOGG30LBTA-A	AOGG36LBTA-A	AOGG45LBTA-A
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	6.80	8.50	9.40	12.10
		BTU/h	23,200	29,000	32,100	41,300
	Heating	kW	8.00	10.00	11.20	13.30
		BTU/h	27,300	34,100	38,200	45,400
Input Power	Cooling/Heating	kW	2.21/2.26	2.65/2.68	2.93/3.1	3.77/3.68
EER	Cooling		3.08	3.21	3.18	3.21
COP	Heating	W/W	3.54	3.73	3.61	3.61
Running Current	Cooling/Heating	A	9.7/9.9	11.6/11.7	13.0/13.6	16.5/16.1
Moisture Removal		l/h	2.5	2.5	3.0	4.0
Sound Pressure	Indoor (High)	dB(A)	31	39	39	42
	Outdoor		52	53	54	55
Airflow Rate (High)	Indoor	m³/h	1,100	2,100	2,100	2,100
	Outdoor		2,470	3,600	3,800	6,750
Net Dimension HxWxD	Indoor	mm	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700
	Outdoor	kg(lbs)	38.0(84)	40.0(88)	40.0(88)	40.0(88)
Net Weight	Indoor	mm	578x790x315	830x900x330	830x900x330	1290x900x330
	Outdoor	kg(lbs)	44.0(97)	61.0(135)	61.0(135)	88.0(194)
Piping Connections (Small / Large)		mm	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	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)	50(20)
Max Height Difference			20	30	30	30
Operation Range	Cooling	°CDB	-10 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant			R410A	R410A	R410A	R410A

Dimensions

Models: ARGG24LMTA / ARGG30LMLA-A / ARGG36LMLA-A / ARGG45LMLA-A

(Unit : mm)



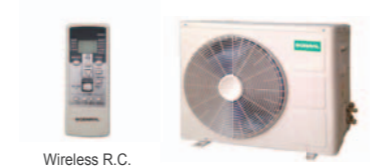
- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

CONSTANT SPEED WALL MOUNTED

For India



Model : ASGA09BMTA / ASGA12BMTA



Wireless R.C.



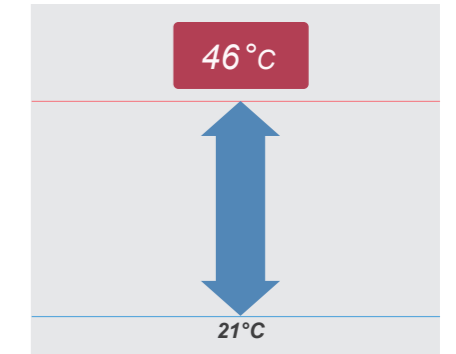
More Comfort Airflow

Airflow volume is increased more than current model and comfortable cooling is delivered to every corner of the room.



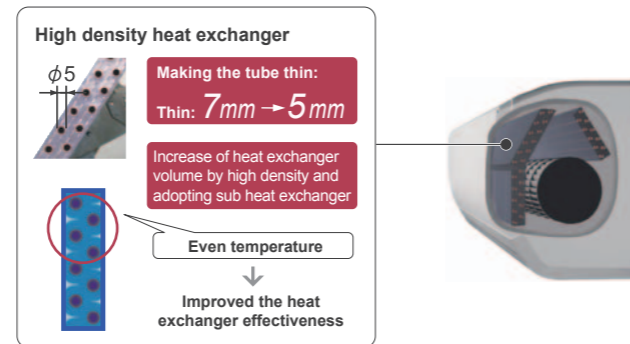
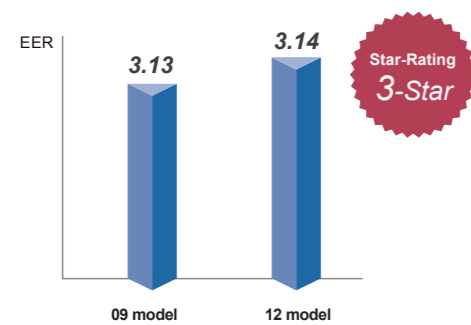
Operation range up to 46°C

Improved operation range up to 46°C ambient temperature for Indian market.



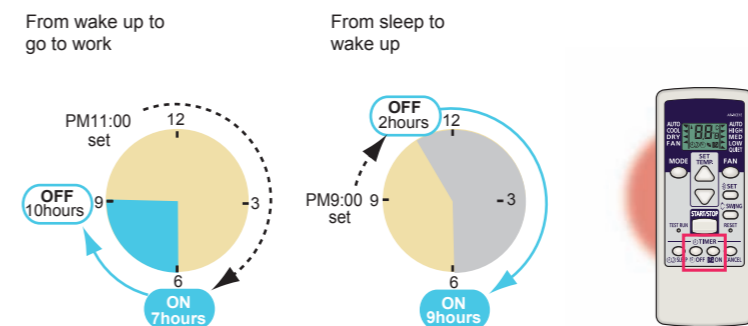
High efficient compact design

3-Star is achieved in both models by adopting the high-density heat exchanger, new stylish design, and new compressor.



More Convenient Timer

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



Adopting new refrigerant R32

R32 refrigerant is highly environmentally friendly for the reduction of the global warming potential than other refrigerant.

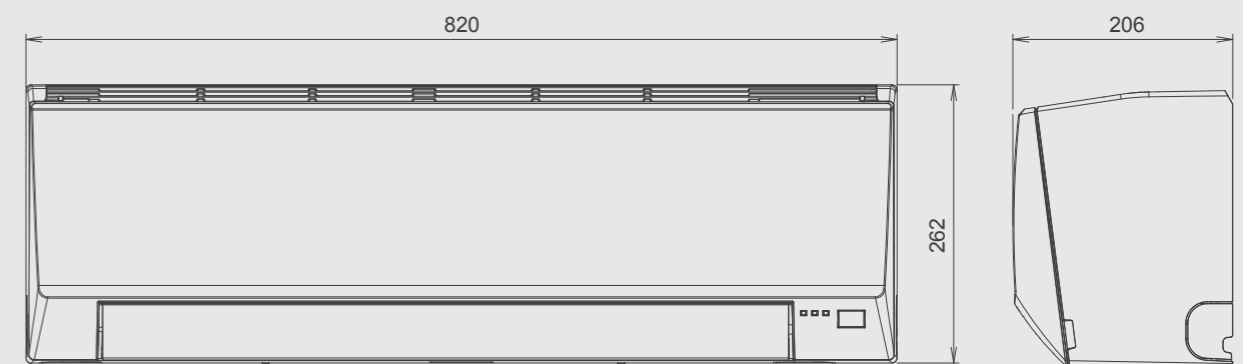


Specifications

Model No.	Indoor unit		ASGA09BMTA	ASGA12BMTA
	Outdoor unit		AOGR09BMTA	AOGR12BMTA
Power Source	V/∅/Hz		230/1/50	230/1/50
Capacity	Cooling	kW	2.6	3.3
		BTU/h	8,900	11,300
Input Power	Cooling	kW	0.83	1.05
EER	Cooling	W/W	3.13	3.14
Running Current	Cooling	A	3.70	4.70
Moisture Removal	l/h		1.0	1.3
Sound Pressure	Indoor (High)	dB(A)	39	39
	Outdoor		51	51
Airflow Rate (High)	Indoor	m³/h	640	640
	Outdoor		1,880	1,780
Net Dimension H×W×D	Indoor	mm	262x820x206	262x820x206
		kg(lbs)	7.5 (17)	7.5 (17)
Net Weight	Outdoor	mm	540x680x252	540x680x252
		kg(lbs)	23 (51)	26 (57)
Piping Connections (Small / Large)	mm		6.35/9.52	6.35/9.52
Drain Pipe Diameter (I.D./O.D.)	mm		13.8 / 15.8	13.8 / 15.8
Max Pipe Length (Pre-Charge)	m		15(7.5)	15(7.5)
Max Height Difference	m		5	5
Operation Range	Cooling	°CDB	21 to 46	21 to 46
Refrigerant			R32	R32

Dimensions Models: ASGA09BMTA / ASGA12BMTA

(Unit : mm)



CONSTANT SPEED WALL MOUNTED

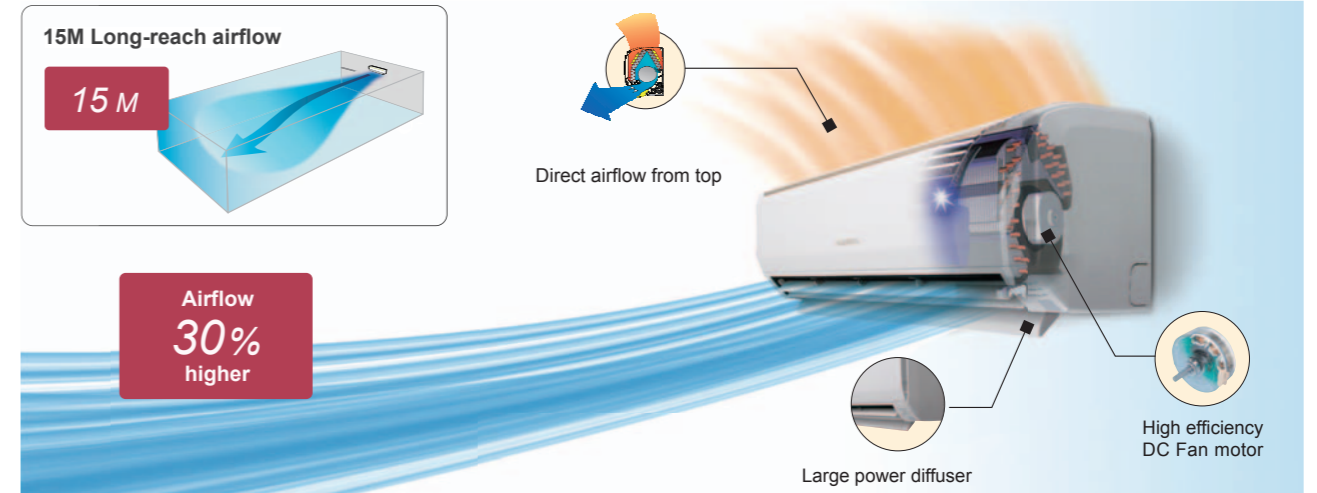
For India



Model : ASGA18FTTA / ASGA24FTTA

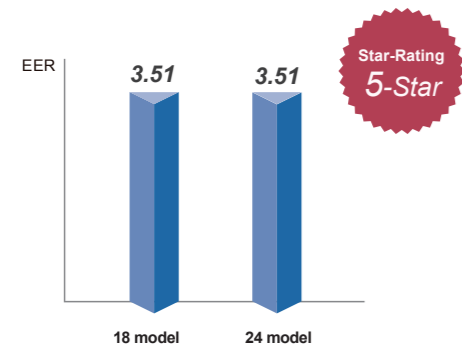


Powerful airflow



High EER in 5 star-rating

5-stars is achieved in both models by adopting new compressor and high density heat exchanger.



Hyper Tropical Compressor

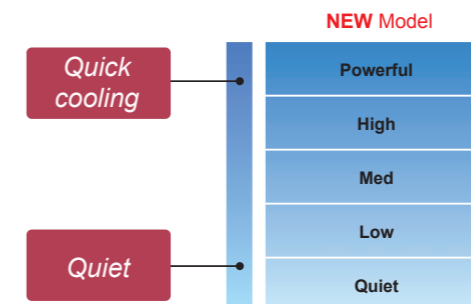
Adopting the new high performance Rotary Compressor for R410A refrigerant.

High-density Heat Exchanger

Heat exchanger performance is substantially improved by using Ø7mm heat exchanger.

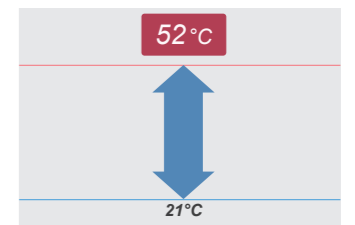
5 speed control

5-speed control provides a variety of airflow and quiet operation.



Operation range up to 52°C

Improved operation range up to 52°C ambient temperature for Indian market.



Optional parts

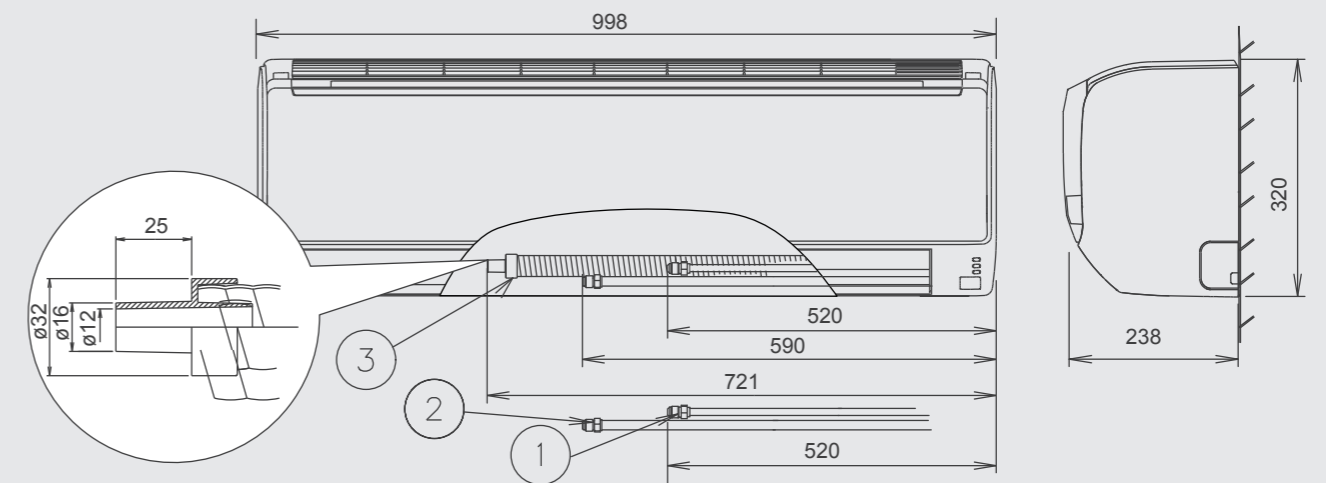
Wired Remote Controller: UTB-GUD

Specifications

Model No.	Indoor unit		ASGA18FTTA	ASGA24FTTA
	Outdoor unit		AOGA18FTTAH	AOGA24FTTAH
Power Source	V/∅/Hz		230/1/50	230/1/50
Capacity	Cooling	kW	5.30	6.50
		BTU/h	18,000	22,200
Input Power	Cooling	kW	1.51	1.85
EER	Cooling	W/W	3.51	3.51
Running Current	Cooling	A	6.8	8.3
Moisture Removal		l/h	1.7	2.2
Sound Pressure	Indoor (High)	dB(A)	43	49
	Outdoor		54	54
Airflow Rate (High)	Indoor	m³/h	985	1,120
	Outdoor		3,200	3,300
Net Dimension H×W×D	Indoor	mm	320x998x238	320x998x238
			kg(lbs)	14(31)
Net Weight	Outdoor	mm	650x830x320	830x900x330
			kg(lbs)	51(112)
Piping Connections (Small / Large)			6.35/15.88	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	16.0/28.0	16.0/28.0
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)
Max Height Difference			8	8
Operation Range	Cooling	°CDB	21 to 52	21 to 52
Refrigerant			R410A	R410A

Dimensions Models: ASGA18FTTA / ASGA24FTTA

(Unit : mm)



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

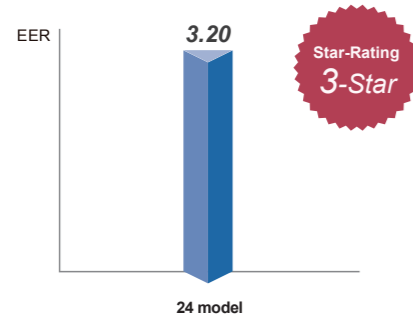


Model : ASGA24ACT



High efficiency & wide airflow

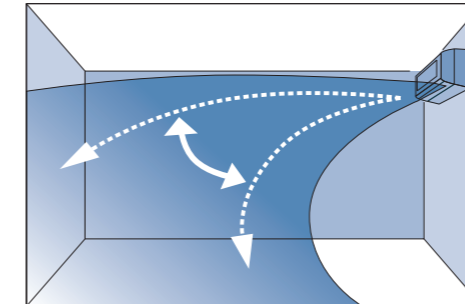
High pressure cross fan (107mm diameter) and lambda type heat exchanger provide a high efficiency and wide airflow.



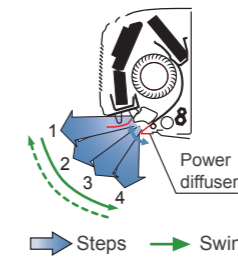
Comfort airflow

Large independently driven power diffuser used

Cooling



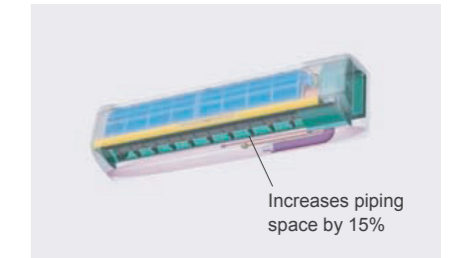
Horizontal concentration and other air direction control



Large independently driven power diffuser

Easy installation

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



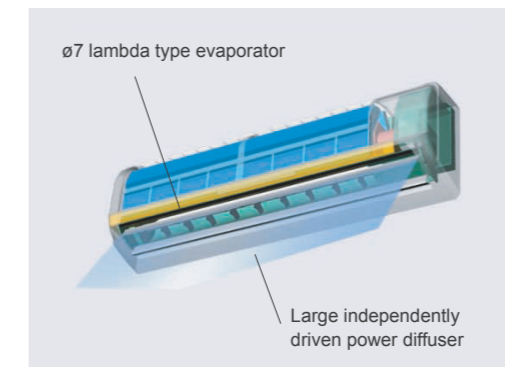
Others

- Double auto swing
- 2-way draining route

Low noise

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

Low noise 48dB

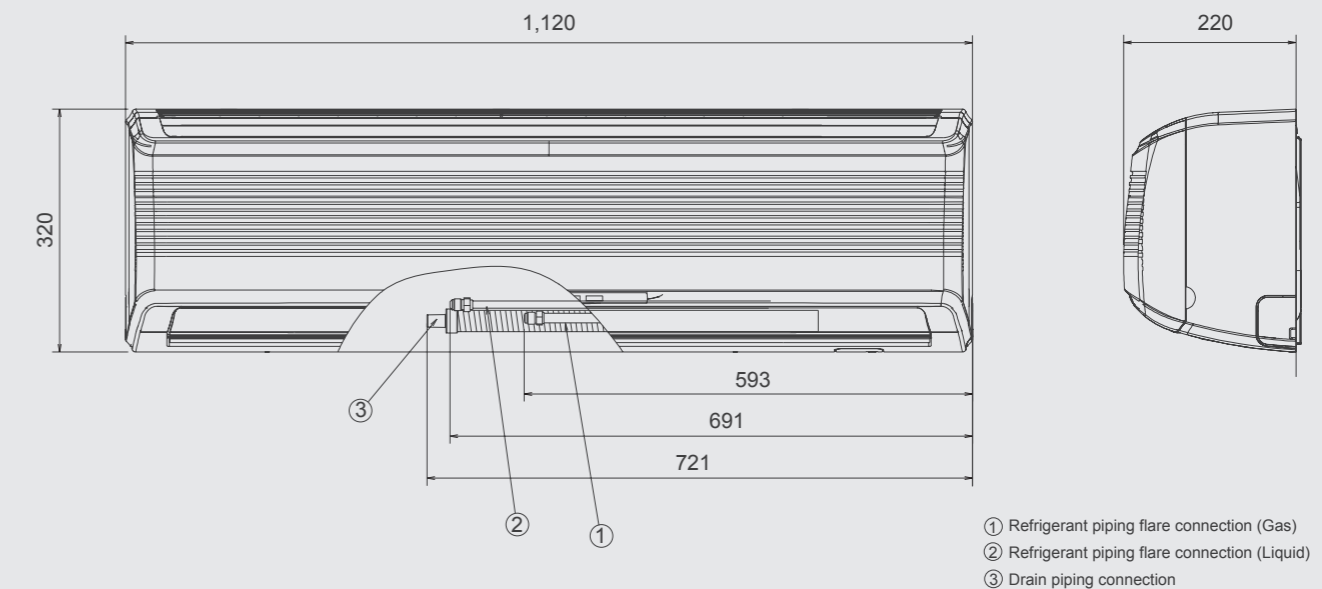


Specifications

Model No.	Indoor unit		ASGA24ACT
	Outdoor unit		AOGR24ACT
Power Source	V/Ø/Hz		230/1/50
Capacity	Cooling	kW	6.5
		BTU/h	22,300
Input Power	Cooling	kW	2.03
EER	Cooling	W/W	3.2
Running Current	Cooling	A	9
Moisture Removal	l/h		2.5
Sound Pressure	Indoor (High)	dB(A)	48
	Outdoor	dB(A)	54
Airflow Rate (High)	Indoor	m³/h	1,020
	Outdoor	m³/h	2,400
Net Dimension H×W×D	Indoor	mm	320x1,120x220
	Outdoor	mm	900x900x350
Net Weight	Indoor	kg(lbs)	16(35)
	Outdoor	kg(lbs)	79(174)
Piping Connections (Small / Large)	mm		9.52/15.88
Drain Pipe Diameter (I.D./O.D.)	mm		16.0/28.0
Max Pipe Length (Pre-Charge)	m		30(7.5)
Max Height Difference	m		15
Operation Range	Cooling	°CDB	21 to 46
Refrigerant			R22

Dimensions Models: ASGA24ACT

(Unit : mm)



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

CONSTANT SPEED WALL MOUNTED

For India



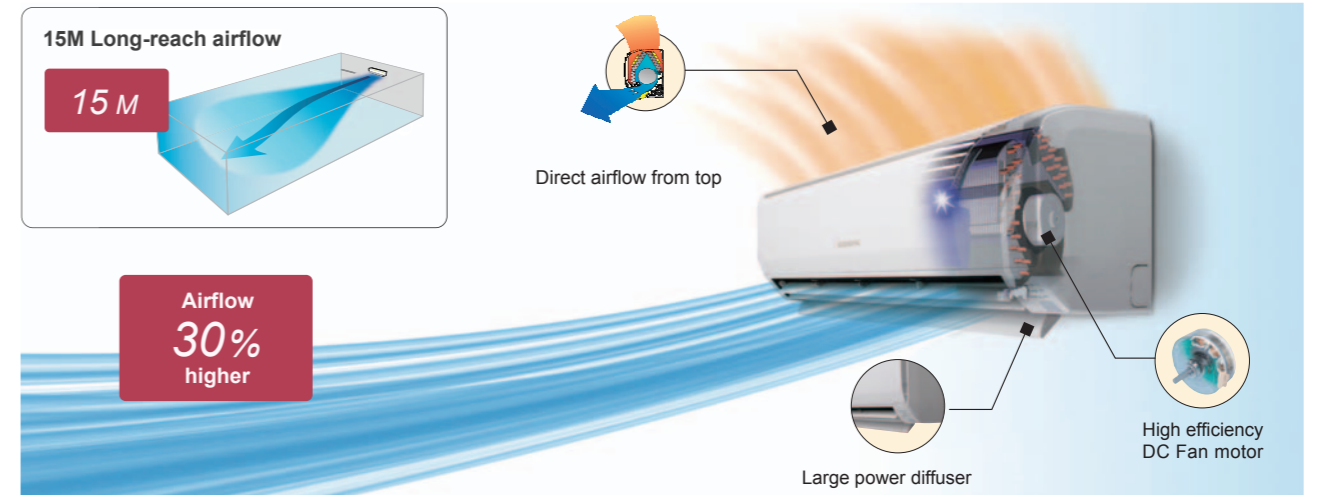
Model : ASGA18FMTA / ASGA24FMTA



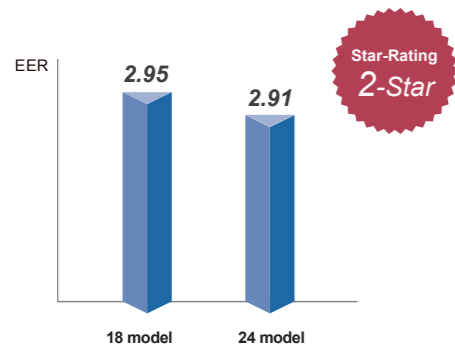
Wireless RC



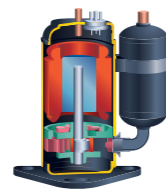
Powerful airflow



High efficiency at tropical climate

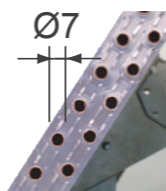


Hyper Tropical Compressor



Adopting the new high performance Rotary Compressor for R410A refrigerant.

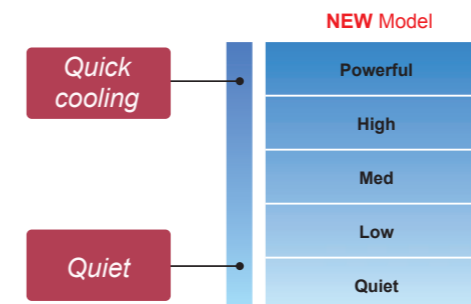
High-density Heat Exchanger



Heat exchanger performance is substantially improved by using Ø7mm heat exchanger.

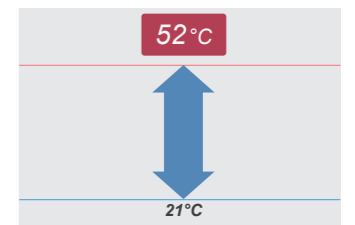
5 speed control

5-speed control provides a variety of airflow and quiet operation.



Operation range up to 52°C

Improved operation range up to 52°C ambient temperature for Indian market.



Optional parts

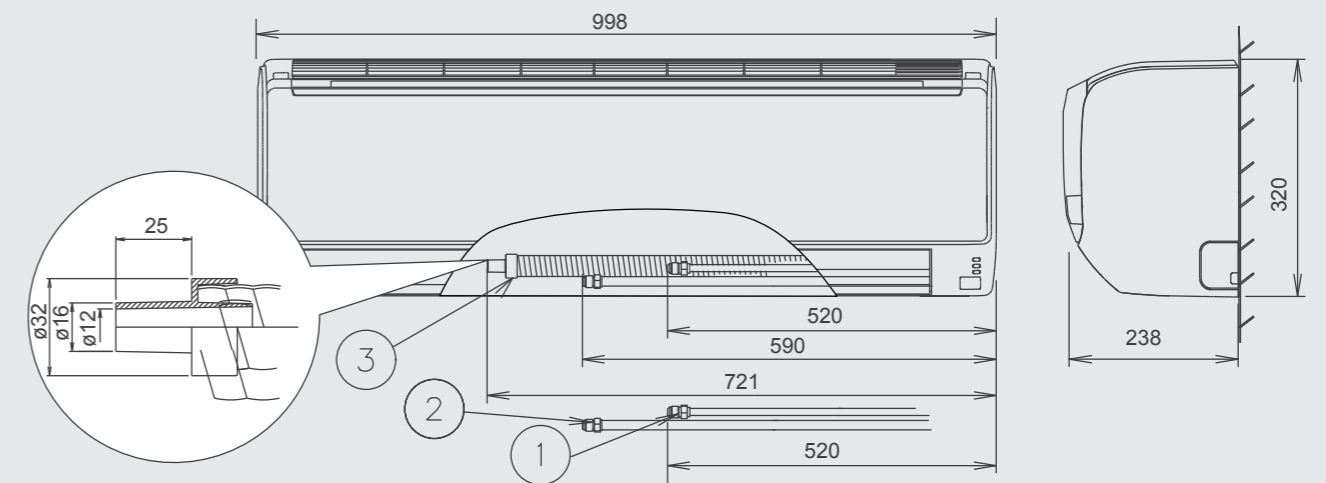
Wired Remote Controller: UTB-GUD

Specifications

Model No.	Indoor unit		ASGA18FMTA	ASGA24FMTA
	Outdoor unit		AOGA18FMTAH	AOGA24FMTAH
Power Source	V/∅/Hz		230/1/50	230/1/50
Capacity	Cooling	kW	5.4	7.15
		BTU/h	18,400	24,400
Input Power	Cooling	kW	1.83	2.46
EER	Cooling	W/W	2.95	2.91
Running Current	Cooling	A	8.2	11.8
Moisture Removal		l/h	1.8	2.5
Sound Pressure	Indoor (High)	dB(A)	44	47
	Outdoor		54	55
Airflow Rate (High)	Indoor	m ³ /h	1,020	1,150
	Outdoor		3,400	3,200
Net Dimension H×W×D	Indoor	mm	320x998x238	320x998x238
			kg(lbs)	13(29)
Net Weight	Outdoor	mm	650x830x320	650x830x320
			kg(lbs)	47(103)
Piping Connections (Small / Large)			6.35/15.88	6.35/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	12.0/16.0	12.0/16.0
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)
Max Height Difference			8	8
Operation Range	Cooling	°CDB	21 to 52	21 to 52
Refrigerant			R410A	R410A

Dimensions Models: ASGA18FMTA / ASGA24FMTA

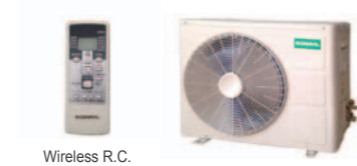
(Unit : mm)



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

CONSTANT SPEED WALL MOUNTED

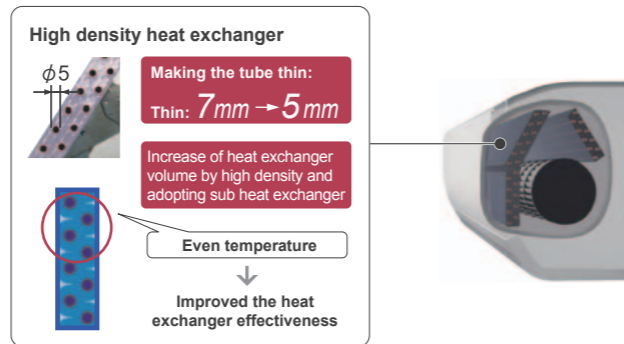
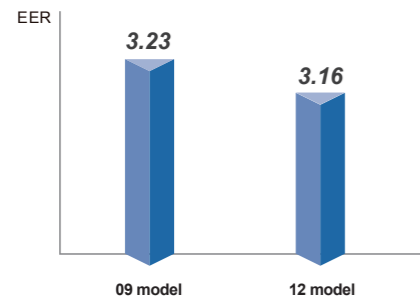
NEW Model : ASGA09BMTA-A / ASGA12BMTA-A



Wireless R.C.



High efficient compact design



Specifications

Model No.	Indoor unit		ASGA09BMTA-A	ASGA12BMTA-A
	Outdoor unit		AOGR09BMTA-A	AOGR12BMTA-A
Power Source	V/∅/Hz		220-230-240/1/50	220-230-240/1/50
Capacity	Cooling	kW	2.55-2.55-2.55	3.25-3.25-3.25
		BTU/h	8,700-8,700-8,700	11,000-11,000-11,000
Input Power	Cooling	kW	0.77-0.79-0.82	1.01-1.03-1.06
EER	Cooling	W/W	3.31-3.23-3.11	3.22-3.16-3.07
Running Current	Cooling	A	3.6-3.5-3.5	4.7-4.6-4.6
Moisture Removal		l/h	1.0	1.3
Sound Pressure*	Indoor (High)	dB(A)	39-39-39	39-39-39
	Outdoor		51-51-51	51-51-51
Airflow Rate (High)	Indoor	m³/h	640	640
	Outdoor		1,880	1,780
Net Dimension HxWxD	Indoor	mm	262x820x206	262x820x206
		kg(lbs)	7.5 (17)	7.5 (17)
Net Weight	Outdoor	mm	540x680x252	540x680x252
		kg(lbs)	23.0 (51)	26.0 (57)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52
Drain Pipe Diameter (I.D./O.D.)		mm	13.8 / 15.8 to 16.7	13.8 / 15.8 to 16.7
Max Pipe Length (Pre-Charge)		m	15(7.5)	15(7.5)
Max Height Difference		m	5	5
Operation Range	Cooling	°CDB	21 to 46	21 to 46
Refrigerant			R32	R32

*:Specifications of sound pressure level are provisional for your reference. The contents of formal specifications might be different from these.

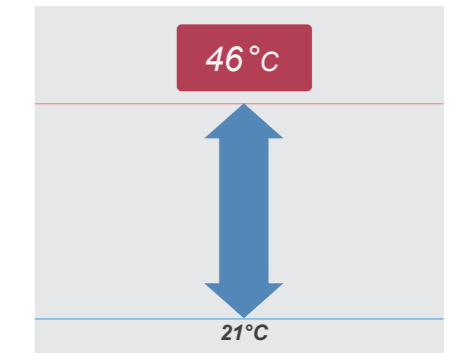
More Comfort Airflow

Airflow volume is increased more than current model and comfortable cooling is delivered to every corner of the room.



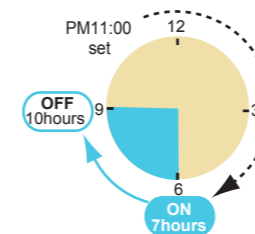
Operation range up to 46°C

Improved operation range up to 46°C ambient temperature for Indian market.

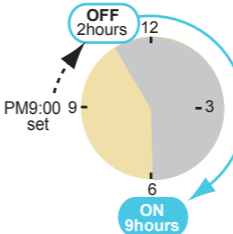


More Convenient Timer

From wake up to go to work



From sleep to wake up



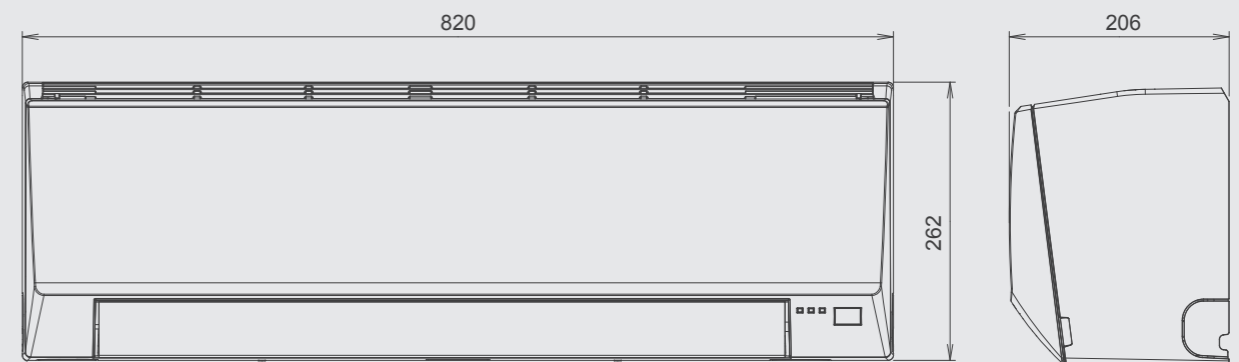
Adopting new refrigerant R32

R32 refrigerant is highly environmentally friendly for the reduction of the global warming potential than other refrigerant.



Dimensions Models: ASGA09BMTA-A / ASGA12BMTA-A

(Unit : mm)



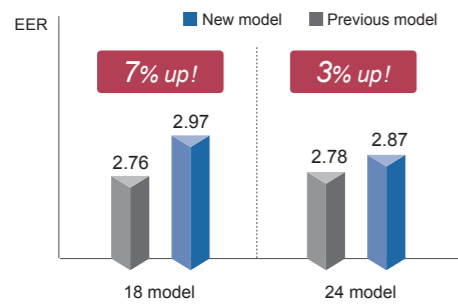
CONSTANT SPEED WALL MOUNTED

NEW Model : ASGA18FMTA-A / ASGA24FMTA-A



Improve Energy Efficiency

The higher EER is achieved than our previous models*: 230V



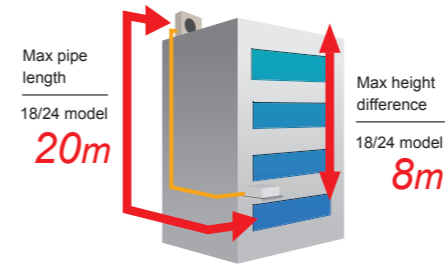
Quiet Operation

Quiet operation sound is able to expand the applications of the air conditioners.



Flexible Piping Installation

Sufficient pipe length and height difference is provided, which enables to enhance the flexibility of installation.



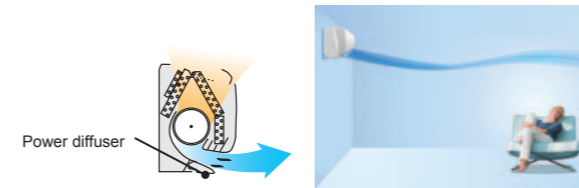
Operation In High Ambient Temperature

The operation is secured under the ambient temperature of up to 52 degrees Celsius in cooling operation.



Power Diffuser

Power diffuser makes it possible for the air flow to reach every corner of the room.



Washable Front Panel

The front panel is easily detachable and is washable, which enables to the air conditioner always clean.



Optional parts

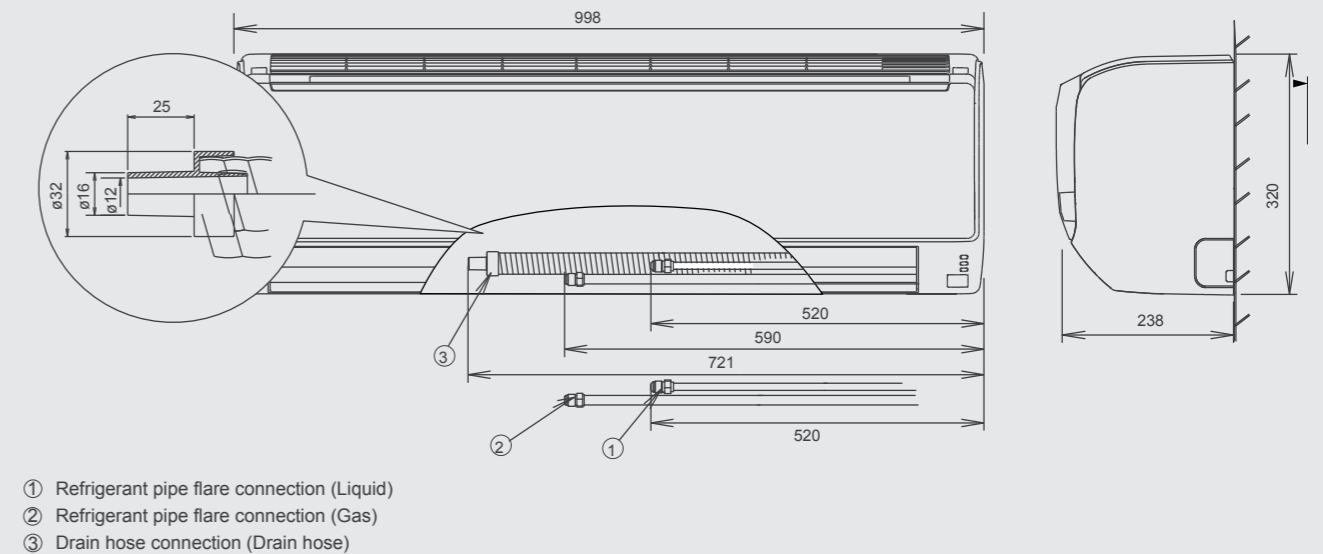
- Wired Remote Controller: UTB-GUD
- Simple Remote Controller: UTY-RSNGM
- External Connect Kit: UTY-XWZX

Specifications

Model No.	Indoor unit		ASGA18FMTA-A	ASGA24FMTA-A
	Outdoor unit		AOGA18FMTAHA	AOGA24FMTAHA
Power Source	V/∅/Hz		220 - 230 - 240 / 1 / 50	220 - 230 - 240 / 1 / 50
Capacity	Btu/h		18,400 - 18,400 - 18,400	24,400 - 24,400 - 24,400
	kW		5.40 - 5.40 - 5.40	7.15 - 7.15 - 7.15
Input Power	kW		1.79 - 1.82 - 1.87	2.44 - 2.49 - 2.60
EER	kW/kW		3.02 - 2.97 - 2.89	2.93 - 2.87 - 2.75
Current	A		8.2 - 8.2 - 8.2	11.8 - 12.0 - 12.6
Noise (Indoor)	High	dB(A)	44 - 44 - 44	47 - 47 - 47
Noise (Outdoor)		dB(A)	53 - 54 - 54	55 - 55 - 56
Airflow Rate (Indoor)	H/M/L/Q	m³/h	(under consideration)	(under consideration)
Net Dimension H x W x D	Indoor unit	mm	320 x 998 x 238	320 x 998 x 238
		kg(lbs)	13.0(29)	13.0(29)
	Outdoor unit	mm	650 x 830 x 320	650 x 830 x 320
		kg(lbs)	47.0(103)	55.0(121)
Piping Connections (Liquid / Gas)	mm		6.35 / 15.88	6.35 / 15.88
Drain Hose			12(I.D.) / 16(O.D.)	12(I.D.) / 16(O.D.)
Max Pipe Length (Pre-Charge)	m		20 (7.5)	20 (7.5)
Max Height Difference			8	8
Operation Range	°CDB		21 to 52	21 to 52
Refrigerant			R410A	R410A

Dimensions Models: ASGA18FMTA-A / ASGA24FMTA-A

(Unit : mm)



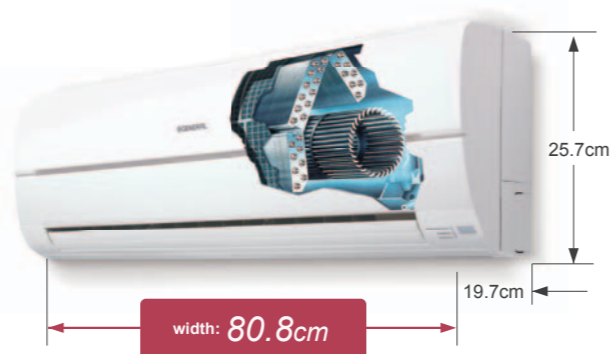
CONSTANT SPEED WALL MOUNTED

Model : ASGA09AEC / ASGA12AEC



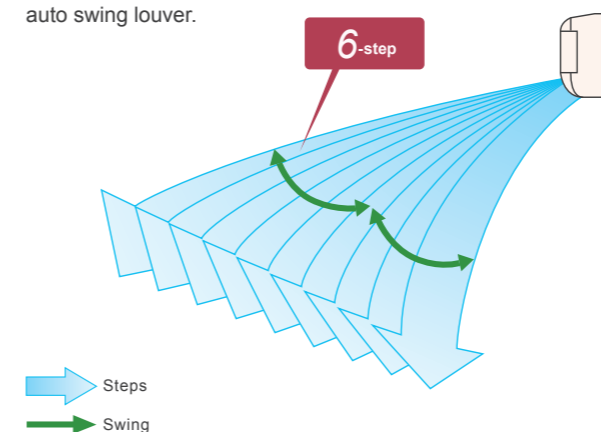
Powerful output in spite of small size

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.

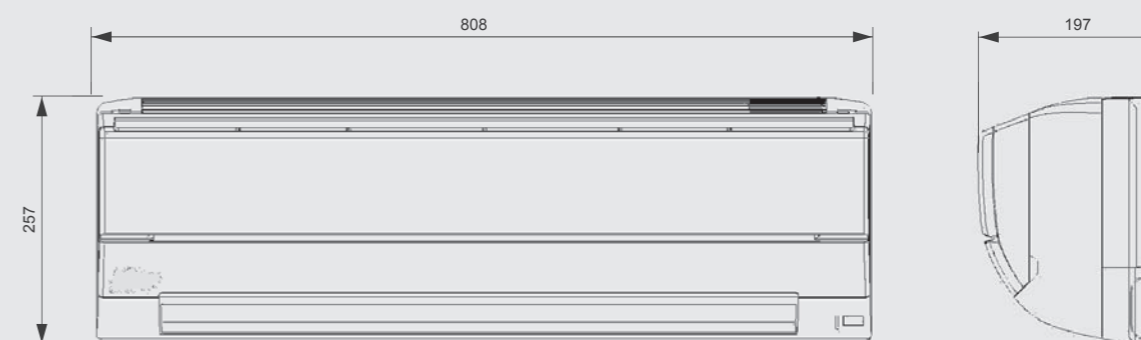


Specifications

Model No.	Indoor unit		ASGA09AEC	ASGA12AEC
	Outdoor unit		AOGR09AEC	AOGR12AEC
Power Source		V/∅/Hz	220-240/1/50	220-240/1/50
Capacity	Cooling	kW	2.60-2.60	3.40-3.45
		BTU/h	8,900-8,900	11,600-11,800
Input Power	Cooling	kW	0.86-0.89	1.27-1.33
EER	Cooling	W/W	3.02-2.92	2.68-2.59
Running Current	Cooling	A	4.0-3.9	6.1-6.2
Moisture Removal		l/h	1.3	1.8
Sound Pressure	Indoor (High)	dB(A)	39	39
	Outdoor		44-45	45-46
Airflow Rate (High)	Indoor	m³/h	540	540
	Outdoor		1,350	1,760-1,830
Net Dimension H×W×D	Indoor	mm	257x808x197	257x808x197
		kg(lbs)	8 (18)	8 (18)
Net Weight	Outdoor	mm	535x650x250	535x695x250
		kg(lbs)	24 (53)	30 (66)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/12.7
Max Pipe Length (Pre-Charge)		m	10(7.5)	15(7.5)
Max Height Difference			5	8
Operation Range	Cooling	°CDB	21 to 43	21 to 43
Refrigerant			R22	R22

Dimensions Models: ASGA09AEC / ASGA12AEC

(Unit : mm)



CONSTANT SPEED WALL MOUNTED

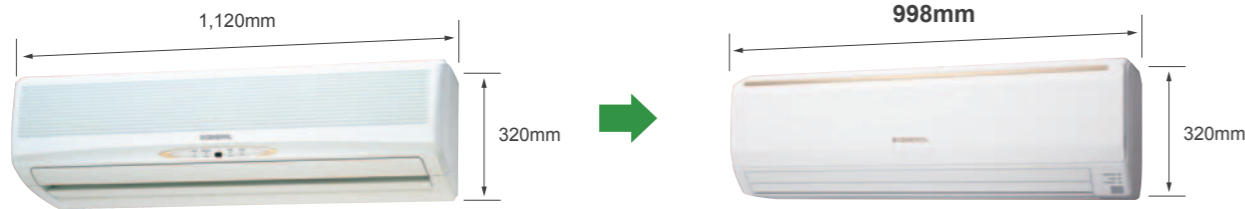
Model : ASGA18AET / ASGA24AET / ASGA30AFT



Flexible installation

Previous model (18/24AET)

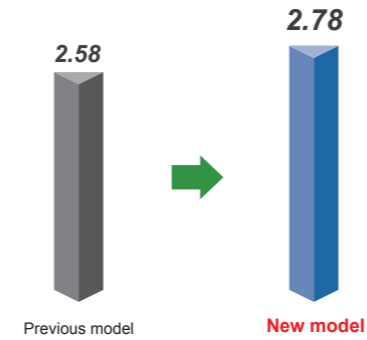
New model



Specifications

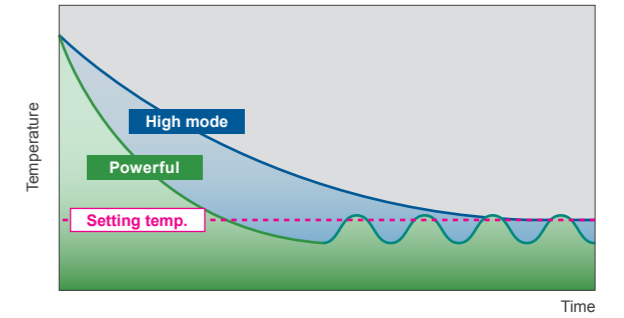
Model No.	Indoor unit		ASGA18AET	ASGA24AET	ASGA30AFT
	Outdoor unit		AOGR18AETH	AOGR24AETH	AOGR30AFT
Power Source	V/∅/Hz		230/1/50	230/1/50	220-240/1/50
Capacity	Cooling	kW	5.3	7.11	8.05-8.20
		BTU/h	18,100	24,200	27,500-28,000
Input Power	Cooling	kW	1.92	2.56	2.96-3.08
EER	Cooling	W/W	2.76	2.78	2.72-2.66
Running Current	Cooling	A	8.8	12.2	13.6-14.6
Moisture Removal		l/h	2.0	2.5	2.0
Sound Pressure	Indoor (High)	dB(A)	43	46	49-49
			Outdoor	53	54
Airflow Rate (High)	Indoor	m³/h	985	1,090	1,200-1,200
			Outdoor	3,120	3,120
Net Dimension H×W×D	Indoor	mm	320x998x238	320x998x238	320x998x238
			kg(lbs)	14.0 (31)	14.0 (31)
Net Weight	Outdoor	mm	650x830x320	650x830x320	830x900x330
			kg(lbs)	46.0 (101)	57.0 (125)
Piping Connections (Small / Large)		mm	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	16.0/28.0	16.0/28.0	16.0/28.0
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)	30(7.5)
Max Height Difference			8	8	15
Operation Range	Cooling	°CDB	21 to 52	21 to 52	21 to 52
Refrigerant			R22	R22	R22

High EER (24AET)



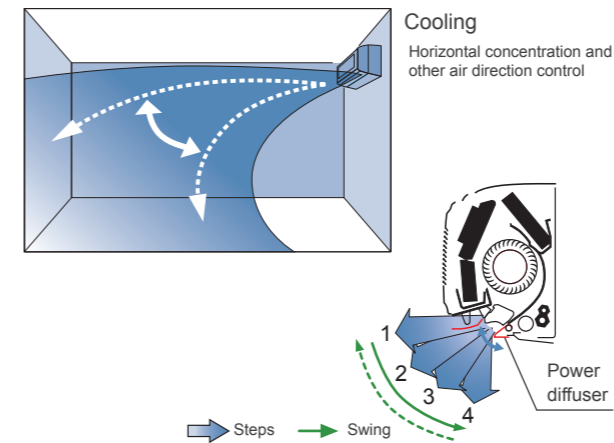
Powerful mode function

Operates at maximum air flow in the cooland fan operation modes, and quickly makes the room comfortable.



Multi airflow

Large independently driven power diffuser used

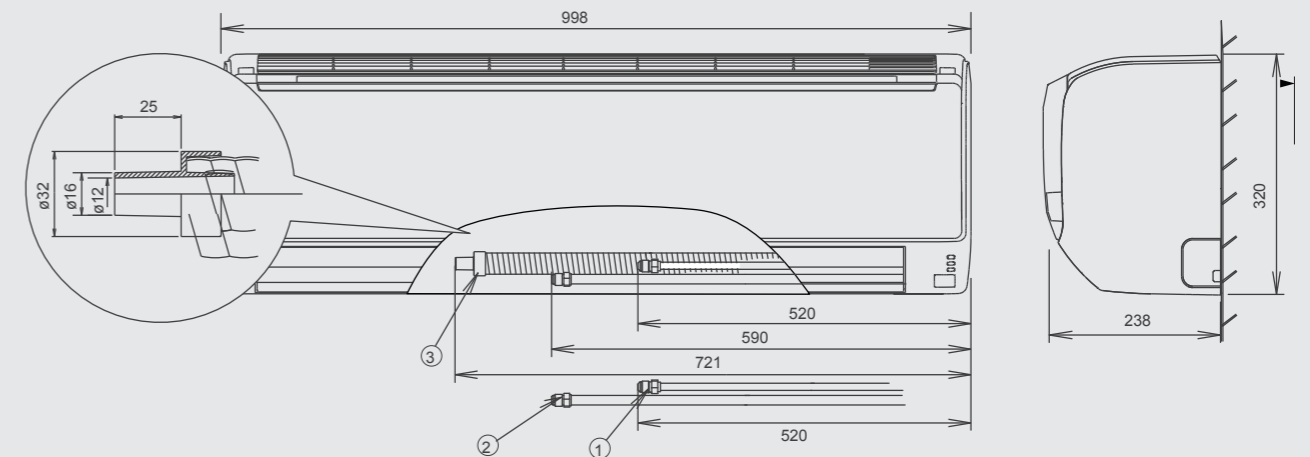


Optional parts

Wired Remote Controller: UTB-GUD

Dimensions Models: ASGA18AET / ASGA24AET / ASGA30AFT

(Unit : mm)



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

CONSTANT SPEED WALL MOUNTED

Model : ASG18ABC-W / ASG24ABC-W
ASG18RBAJ / ASG24RBAJ / ASG30RBAJ



Wireless R.C.



For ASG18/24ABC
ASG18/24RBAJ

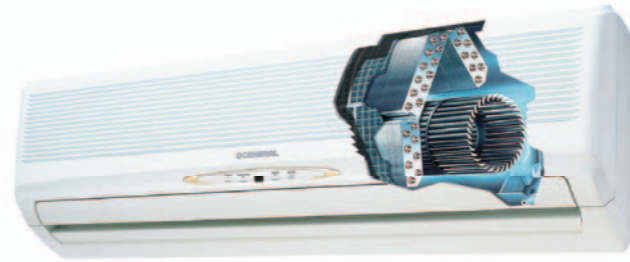


For ASG30RBAJ



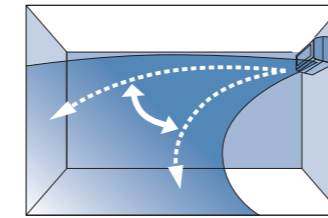
Powerful output in spite of small size

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.



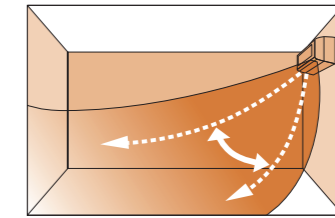
Multi airflow

Large independently driven power diffuser used



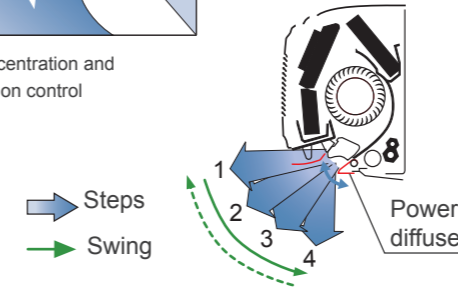
Cooling

Horizontal concentration and other air direction control



Heating

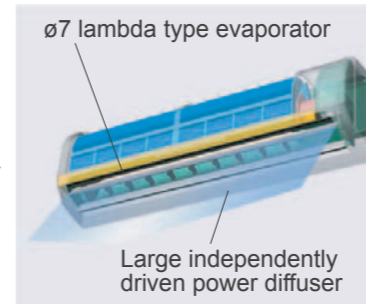
Wide down flow



Large independently driven power diffuser

Low noise

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

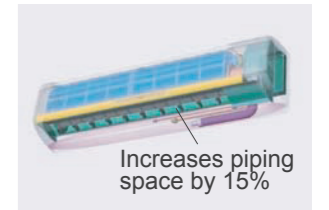


Low noise
34_{dB}

(ASG18R)

Easy installation

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



Increases piping space by 15%

Others

- Double auto swing
- 2-way draining route

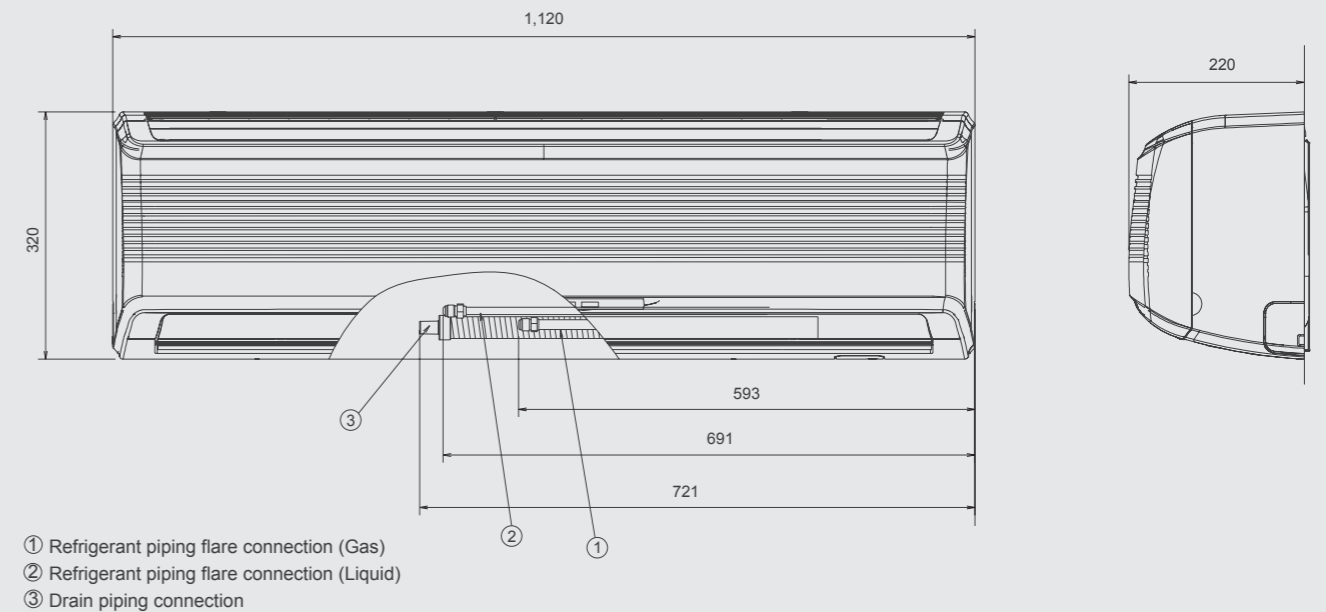
Specifications

Model No.	Indoor unit		ASG18ABC-W	ASG24ABC-W	ASG18RBAJ	ASG24RBAJ	ASG30RBAJ
	Outdoor unit		AOGR18AAT	AOGR24AAT	AOG18RBAKH	AOG24RBAKH	AOG30RAT
Power Source	V/∅/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity	Cooling	kW	5.30-5.40	6.80-6.90	5.30-5.40	6.60-6.80	7.80-8.00
		BTU/h	18,100-18,400	23,200-23,500	18,100-18,400	22,500-23,200	26,600-27,300
	Heating	kW	—	—	5.50-5.60	7.60-7.80	8.55-8.80
		BTU/h	—	—	18,700-19,100	25,900-26,600	29,200-30,000
Input Power	Cooling/Heating	kW	2.12-2.18 / —	2.62-2.72 / —	1.83-1.91 / 1.70-1.75	2.53-2.56 / 2.53-2.68	2.93-3.05 / 3.13-3.25
EER	Cooling	—	2.50-2.28	2.60-2.54	2.90-2.83	2.61-2.56	2.66-2.62
COP	Heating	W/W	—	—	3.24-3.20	3.00-2.91	2.73-2.71
Running Current	Cooling/Heating	A	9.8-9.4 / —	12.8-13.4 / —	8.5-8.5 / 7.8-7.8	12.0-12.2 / 12.0-12.4	13.7-13.5 / 14.5-14.4
Moisture Removal		l/h	2.0	2.5	2.0	2.5	3.0
Sound Pressure	Indoor (High)	dB(A)	40-42	43-45	40-42	43-45	47-48
	Outdoor		56	56	53	54	54
Airflow Rate (High)	Indoor	m³/h	750-840	880-950	750-840	880-950	1,020-1,050
	Outdoor		2,590	2,590	3,200	3,200	3,320
Net Dimension HxWxD	Indoor	mm	320x1,120x220	320x1,120x220	320x1,120x220	320x1,120x220	320x1,120x220
		kg(lbs)	16(35)	16(35)	16 (35)	16 (35)	16 (35)
Net Weight	Outdoor	mm	643x840x336	643x840x336	650x830x320	650x830x320	900x900x350
		kg(lbs)	66(145)	63(139)	56 (123)	60 (132)	80 (1760)
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
Drain Pipe Diameter (I.D./O.D.)		mm	16.0/28.0	16.0/28.0	16.0/28.0	16.0/28.0	16.0/28.0
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)	20(7.5)	20(7.5)	25(7.5)
Max Height Difference			8	8	8	8	15
Operation Range	Cooling	°CDB	20 to 52	20 to 52	0 to 43	0 to 43	0 to 43
	Heating		—	—	-6 to 24	-6 to 24	-6 to 24
Refrigerant			R22	R22	R22	R22	R22

Dimensions

Models: ASG18ABC-W / ASG24ABC-W / ASG18RBAJ / ASG24RBAJ / ASG30RBAJ

(Unit : mm)



CONSTANT SPEED CEILING WALL

Model : AWG18ABC-W / AWG24ABC-W / AWG30ABD-W

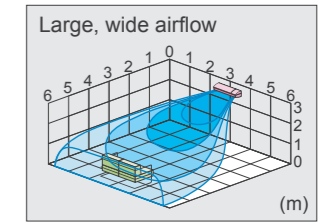
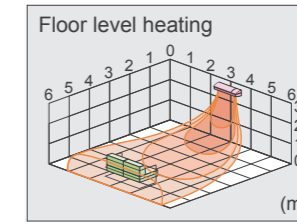
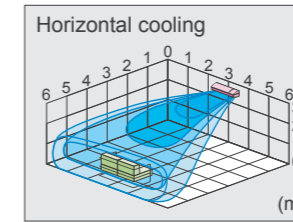


Wireless R.C. For AWG18/24ABC-W For AWG30ABD-W



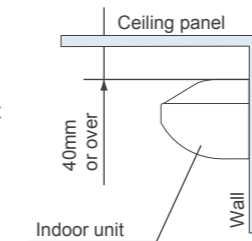
Larger, wider airflow

Introduction of the top air intake reduces the curvature of the air flow path thereby achieving lower air resistance, lower noise and larger air volume.



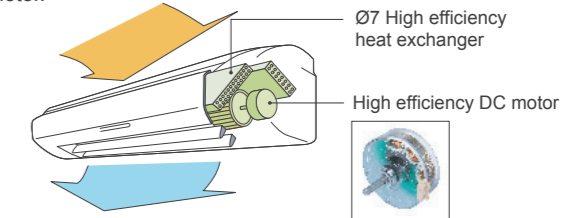
Interior emphasized simple form

Optimum design for rooms in which you want to enjoy the interior design. This is our unique design which allows installation at a high position (on the wall near the ceiling).



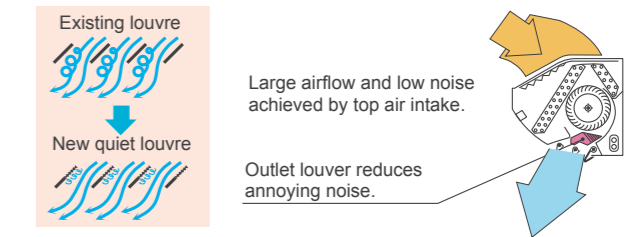
High efficiency

High output and high efficiency are achieved by using a DC motor.



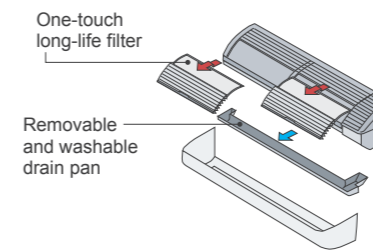
Low noise

Suppressing the turbulence by providing vertical grooves on the quiet louvre and the right / left louvre reduces annoying noise.



Easy maintenance

Drain pan can be easily removed for thorough washing without removing the unit from the wall.

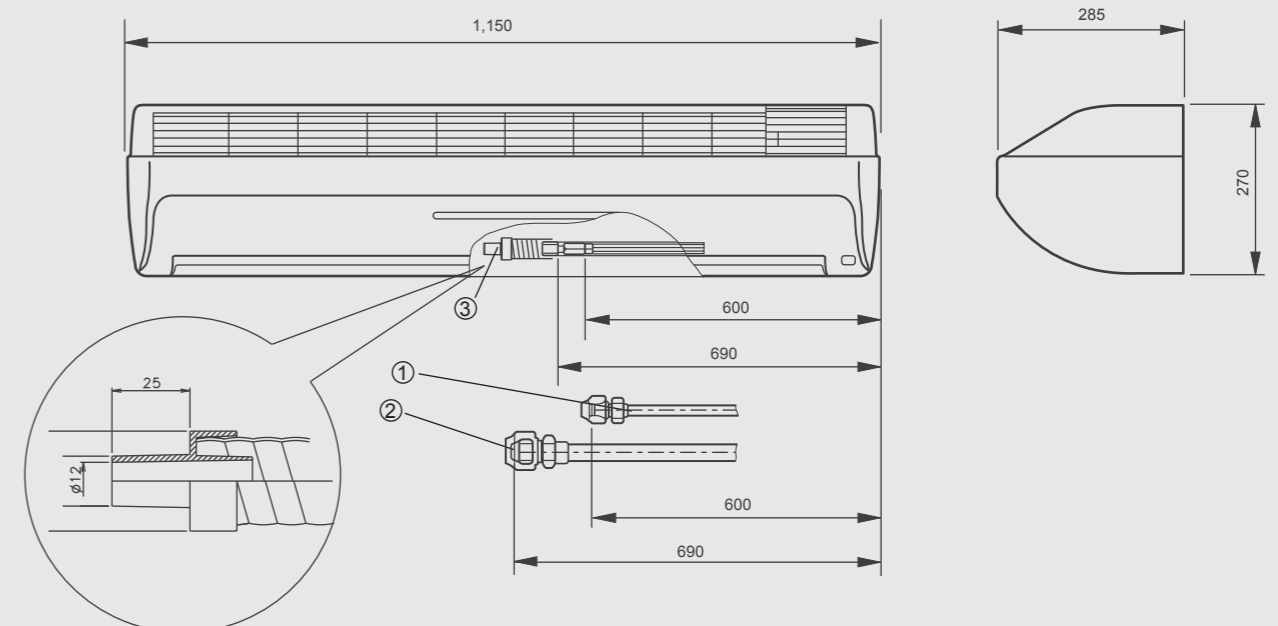


Specifications

Model No.	Indoor unit		AWG18ABC-W	AWG24ABC-W	AWG30ABD-W
	Outdoor unit		AOG18AZE	AOG24AKA	AOG30AMAH
Power Source	V/∅/Hz		220-240/1/50	220-240/1/50	220-240/1/50
Capacity	Cooling	kW	5.30-5.40	6.80-6.90	8.05-8.20
		BTU/h	18,000-18,400	23,200-23,600	27,500-28,000
Input Power	Cooling	kW	2.12-2.18	2.53-2.62	2.85-3.00
EER	Cooling	W/W	2.50-2.48	2.69-2.63	2.83-2.73
Running Current	Cooling	A	9.8-9.4	12.0-12.3	13.3-13.6
Moisture Removal		l/h	2.0	2.5	3.0
Sound Pressure	Indoor (High)	dB(A)	40	44	47
	Outdoor		56	56	54
Airflow Rate (High)	Indoor	m³/h	760	900	950
	Outdoor		2,590	2,590	3,320
Net Dimension HxWxD	Indoor	mm	270x1,150x285	270x1,150x285	270x1,150x285
	Outdoor		kg(lbs)	16 (35)	16 (35)
Net Weight	Indoor	mm	650x830x320	643x840x336	900x900x350
	Outdoor		kg(lbs)	46 (101)	67 (147)
Piping Connections (Small / Large)		mm	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	16.0/28.0	16.0/28.0	16.0/28.0
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)	30(7.5)
Max Height Difference			8	8	15
Operation Range	Cooling	°CDB	21 to 52	21 to 52	0 to 52
Refrigerant			R22	R22	R22

Dimensions Models: AWG18ABC-W / AWG24ABC-W / AWG30ABD-W

(Unit : mm)



CONSTANT SPEED

COMPACT CASSETTE

Model : AUG12FBAB / AUG18FBAB
AUG12UBAB / AUG18UBAB



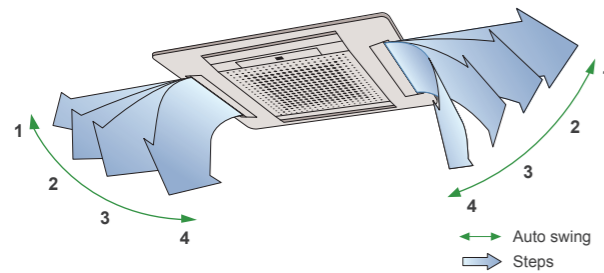
Wireless R.C.



Comfortable air flow

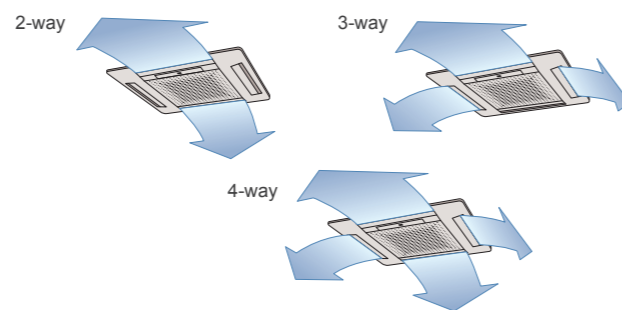
4 step swing

Auto air flow direction and auto swing



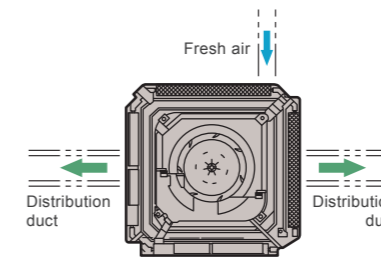
2-4 way air flow system

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

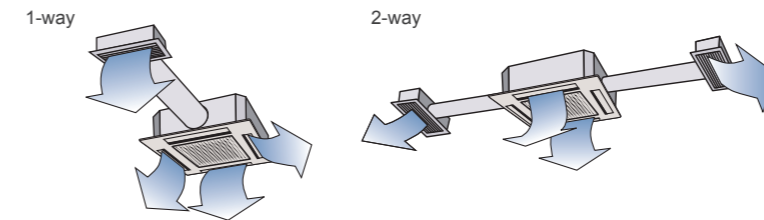


Duct connection hole opening

Fresh air can be introduced through this opening

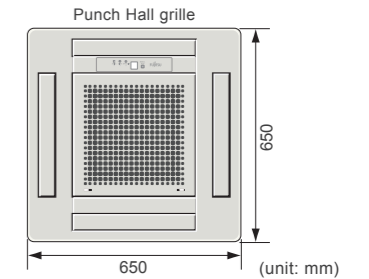


Conditioned air can be distributed by means of a distribution duct

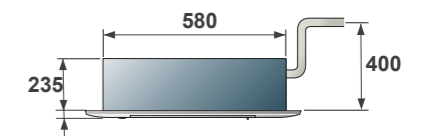


Compact size

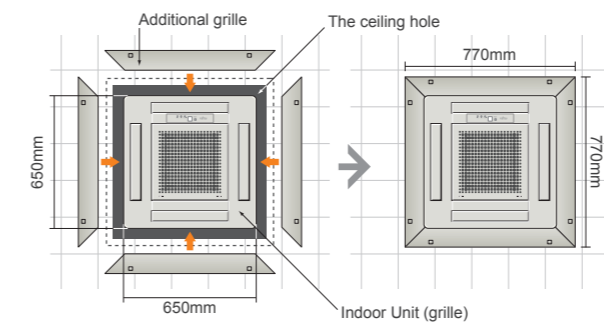
Compact grille fits European ceiling panel (650 x 650 mm)



Condensate pump lift to 400mm



Additional grille (optional parts)



Optional parts

Additional Grille: UTG-AGDA-W

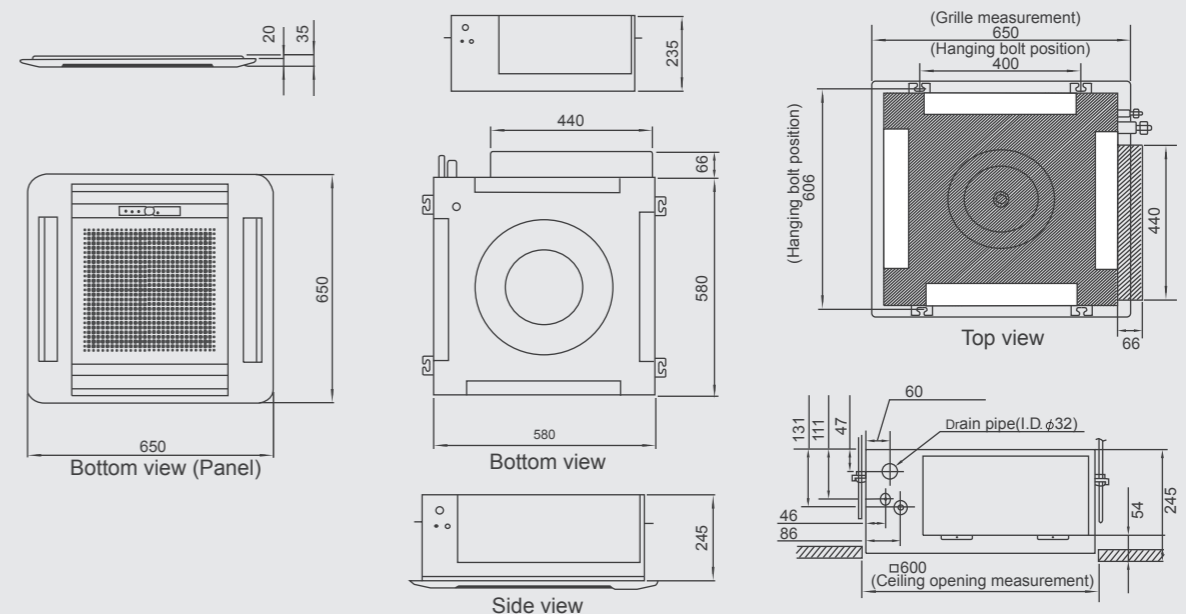
Specifications

Model No.	Indoor unit		AUG12FBAB	AUG18FBAB	AUG12UBAB	AUG18UBAB
	Outdoor unit		AOG12FSAJ	AOG18FNCNL	AOG12USAJL	AOG18UNCNL
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	3.60	5.00	3.55	4.85
		BTU/h	12,300	17,000	12,100	16,500
	Heating	kW	—	—	4.00	5.40
		BTU/h	—	—	13,600	18,400
Input Power	Cooling/Heating	kW	1.24 / —	1.90 / —	1.24 / 1.21	1.85 / 2.00
EER	Cooling		2.90	2.63	2.86	2.62
COP	Heating	W/W	—	—	3.31	2.70
Running Current	Cooling/Heating	A	5.5	8.5 / —	5.5 / 5.4	8.2 / 9.2
Moisture Removal		l/h	1.3	2.1	1.3	2.1
Sound Pressure	Indoor (High)	dB(A)	42	44	43	44
	Outdoor		49	52	49	52
Airflow Rate (High)	Indoor	m³/h	550	620	550	620
	Outdoor		1,600	3,400	1,600	3,200
Net Dimension HxWxD	Indoor / Grille	mm	235x580x580/35x650x650	235x580x580/35x650x650	235x580x580/35x650x650	235x580x580/35x650x650
	Outdoor	kg(lbs)	18.0(40)/2.2(5)	18.0(40)/2.2(5)	18.0(40)/2.2(5)	18.0(40)/2.2(5)
Net Weight	Outdoor	mm	530x750x250	650x830x320	530x750x250	650x830x320
		kg(lbs)	34(75)	47(103)	34(75)	52(114)
Piping Connections (Small / Large)			6.35/9.52	6.35/12.7	6.35/9.52	6.35/12.7
Drain Pipe Diameter (I.D./O.D.)		mm	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)	20(7.5)	20(7.5)
Max Height Difference			8	8	8	8
Operation Range	Cooling	°CDB	21 to 43	0 to 43	0 to 43	0 to 43
	Heating		—	—	-7 to 24	-7 to 24
Refrigerant			R22	R22	R22	R22
Cassette Grille			UTG-UDGD-W	UTG-UDGD-W	UTG-UDGD-W	UTG-UDGD-W

Dimensions

Models: AUG12FBAB / AUG18FBAB / AUG12UBAB / AUG18UBAB

(Unit : mm)



CONSTANT SPEED

COMPACT CASSETTE

Model : AUG12ABAB / AUG18ABAB
AUG12RBAB / AUG18RBAB



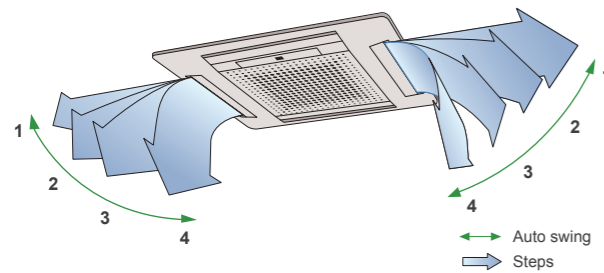
Wireless R.C.



Comfortable air flow

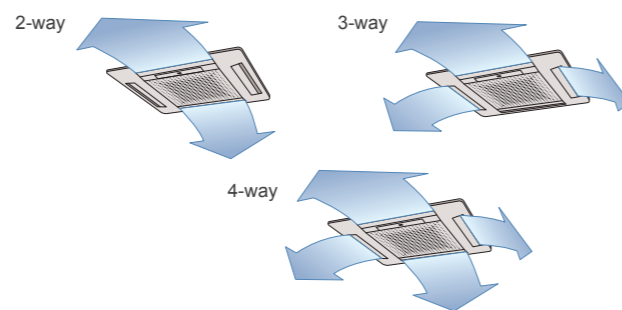
4 step swing

Auto air flow direction and auto swing



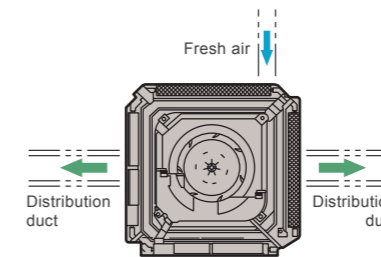
2-4 way air flow system

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

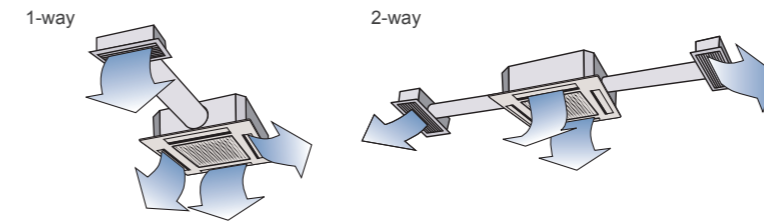


Duct connection hole opening

Fresh air can be introduced through this opening

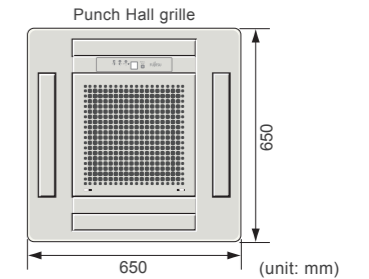


Conditioned air can be distributed by means of a distribution duct

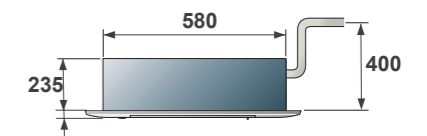


Compact size

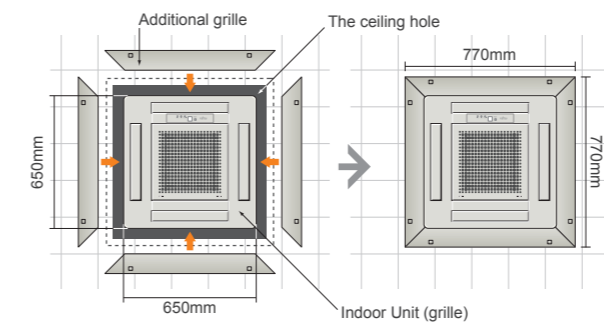
Compact grille fits European ceiling panel (650 x 650 mm)



Condensate pump lift to 400mm



Additional grille (optional parts)



Optional parts

Additional Grille: UTG-AGDA-W

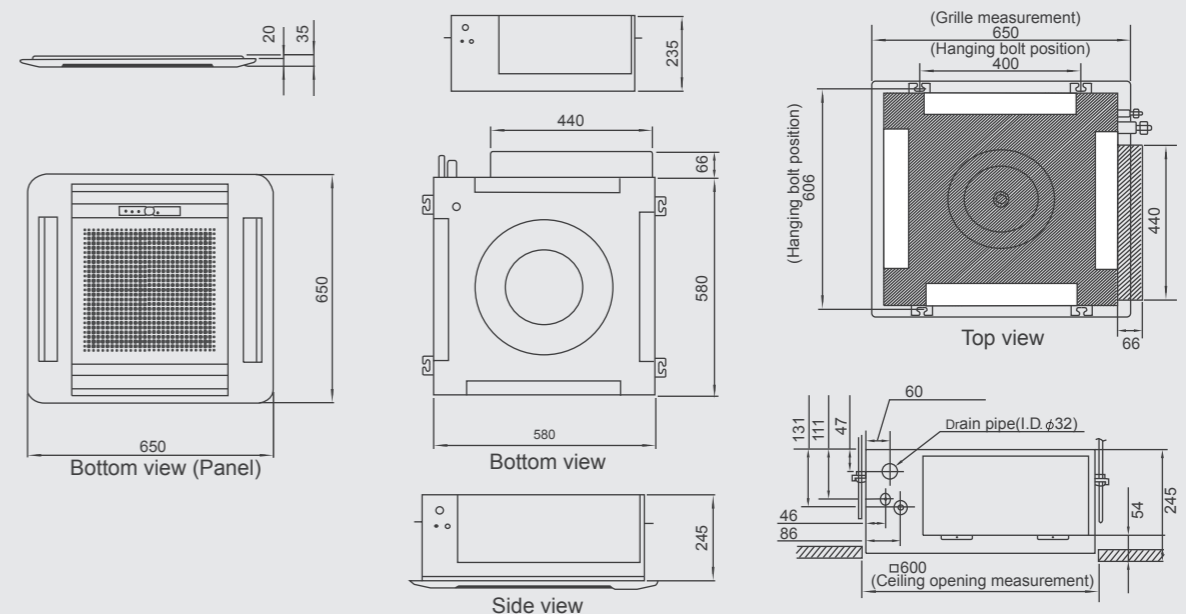
Specifications

Model No.	Indoor unit		AUG12ABAB	AUG18ABAB	AUG12RBAB	AUG18RBAB
	Outdoor unit		AOG12AMAJL	AOG18ANCKL	AOG12RMAJL	AOG18RNCKL
Power Source	V/∅/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity	Cooling	kW	3.65-3.70	4.95-5.10	3.55-3.60	4.85-5.00
		BTU/h	12,400-12,600	16,900-17,400	12,100-12,300	16,600-17,100
	Heating	kW	—	—	4.00-4.10	5.30-5.45
		BTU/h	—	—	13,700-14,000	18,100-18,600
Input Power	Cooling/Heating	kW	1.36-1.44 / —	1.80-1.90 / —	1.26-1.34 / —	1.75-1.85 / 1.85-1.95
EER	Cooling	—	2.68-2.57	2.75-2.68	2.82-2.69	2.77-2.70
COP	Heating	W/W	—	—	3.33-3.20	2.86-2.79
Running Current	Cooling/Heating	A	6.30-6.50 / —	8.50-8.00 / —	5.90-6.10 / 5.70-5.80	8.5-8.0 / 9.0-8.5
Moisture Removal		l/h	1.6	2.1	1.6	2.1
Sound Pressure	Indoor (High)	dB(A)	42	44	42	44
	Outdoor	dB(A)	49	52	49	52
Airflow Rate (High)	Indoor	m³/h	550	650	550	650
	Outdoor	m³/h	1,600	3,500	1,600	3,500
Net Dimension HxWxD	Indoor / Grille	mm	235x580x580/35x650x650	235x580x580/35x650x650	235x580x580/35x650x650	235x580x580/35x650x650
	Outdoor	kg(lbs)	18.0(40)/2.2(5)	18.0(40)/2.2(5)	18.0(40)/2.2(5)	18.0(40)/2.2(5)
Net Weight	Indoor	mm	530x750x250	650x830x320	530x750x250	650x830x320
	Outdoor	kg(lbs)	32.0 (70)	51.0 (112)	37(81)	56.0 (123)
Piping Connections (Small / Large)		mm	6.35/12.70	6.35/12.70	6.35/12.70	6.35/12.70
Drain Pipe Diameter (I.D./O.D.)		mm	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)	20(10)	20(10)
Max Height Difference			8	8	8	8
Operation Range	Cooling	°CDB	21 to 43	10 to 43	10 to 43	10 to 43
	Heating	°CDB	—	—	-5 to 24	-5 to 24
Refrigerant			R22	R22	R22	R22
Cassette Grille			UTG-UDGD-W	UTG-UDGD-W	UTG-UDGD-W	UTG-UDGD-W

Dimensions

Models: AUG12ABAB / AUG18ABAB / AUG12RBAB / AUG18RBAB

(Unit : mm)



CONSTANT SPEED

CASSETTE

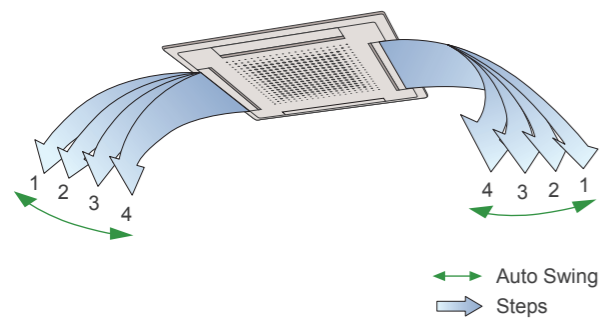
Model : AUG25FUAR / AUG30FUAR / AUG36FUAS [3phase] / AUG45FUAS [3phase] / AUG54FUAS [3phase]
 AUG25UUAR / AUG30UUAR / AUG36UUS [3phase] / AUG45UUS [3phase] / AUG54UUS [3phase]



Comfortable airflow

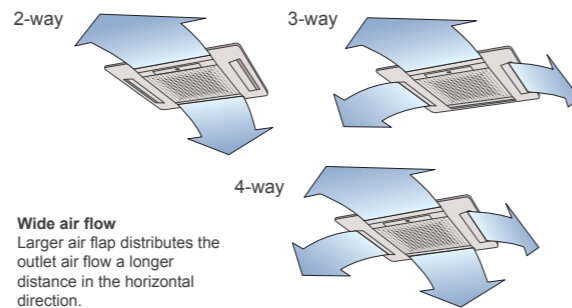
4 step swing

Auto air flow direction and auto swing



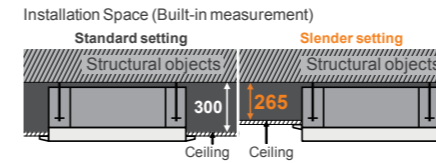
2-4 way air flow system

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



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.



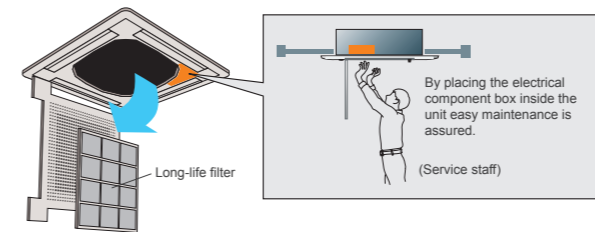
	25/30	36/45/54
Standard setting	250mm	300mm
Slender setting	215mm	265mm

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

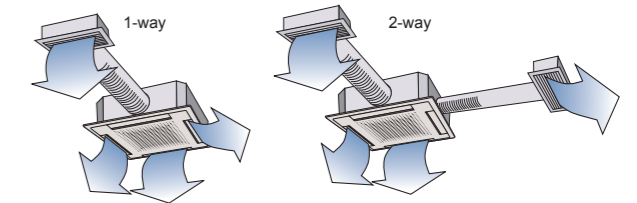


Long-life filter

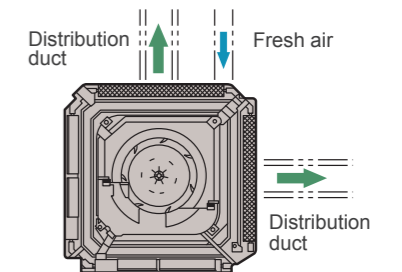
High efficiency, long-life filter extends the cleaning cycle.

Duct connection hole opening

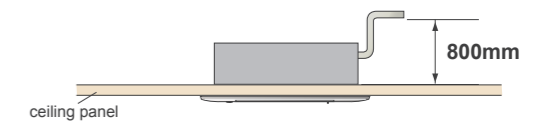
Conditioned air can be distributed by means of a distribution duct



Fresh air can be introduced through this opening



Condensate pump lift to 800mm



Optional parts

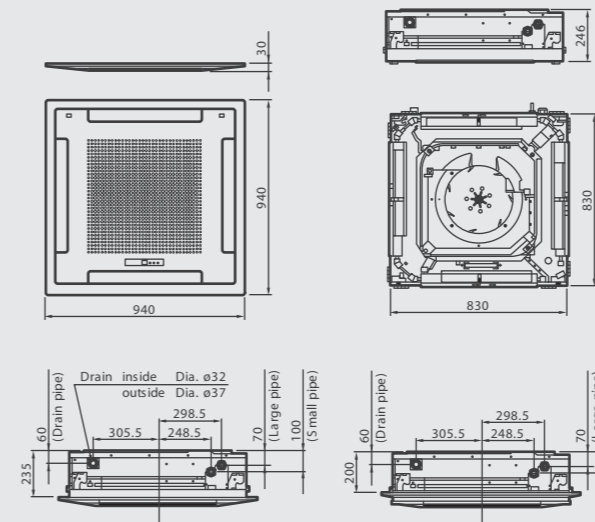
Additional Grille: UTG-AGEA-W

Specifications

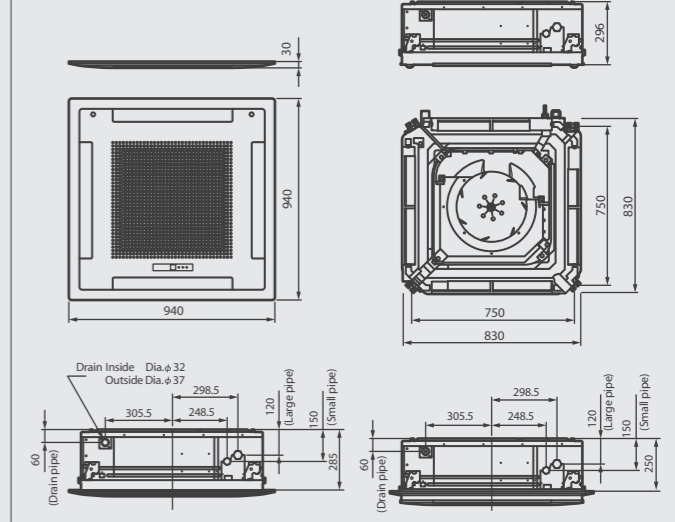
Model No.	Indoor unit										
	AUG25FUAR	AUG30FUAR	AUG36FUAS	AUG45FUAS	AUG54FUAS	AUG25UUAR	AUG30UUAR	AUG36UUS	AUG45UUS	AUG54UUS	
	Outdoor unit										
	AUG25FNAKL	AUG30FNBL	AUG36FNAKT	AUG45FMAKT	AUG54FMAKT	AUG25UNANL	AUG30UNBNL	AUG36UNAKT	AUG45UMAKT	AUG54UMAKT	
Power Source	V/∅/Hz										
Capacity	Cooling	kW									
	Heating	kW									
Input Power	Cooling/Heating kW										
EER	Cooling										
COP	Heating										
Running Current	Cooling/Heating A										
Moisture Removal	l/h										
Airflow Rate (High)	Indoor m³/h										
Net Dimension H×W×D	Indoor / Grille	mm									
	Outdoor	mm									
Piping Connections (Small / Large)	mm										
Drain Pipe Diameter (I.D./O.D.)	mm										
Max Pipe Length (Pre-Charge)	m										
Max Height Difference	m										
Operation Range	Cooling	°CDB									
	Heating	°CDB									
Refrigerant	R410A										
Cassette Grille	UTG-UDGD-W										

Dimensions

Models: AUG25FUAR / AUG30FUAR / AUG25UUAR / AUG30UUAR



Models: AUG36FUAS / AUG45FUAS / AUG54FUAS / AUG36UUS / AUG45UUS / AUG54UUS



CONSTANT SPEED

FLOOR/CEILING UNIVERSAL

Model : ABG18FBBJ / ABG24FBBJ
ABG14UBBJ / ABG18UBBJ / ABG24UBBJ



Wireless R.C.



Flexible installation

Example for floor installation

Floor console



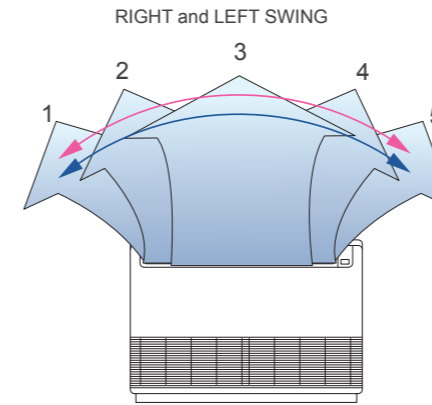
Example for ceiling installation

Under ceiling

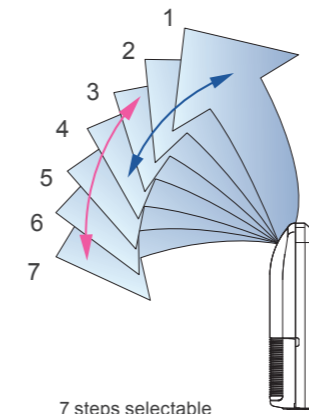


Double auto swing

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

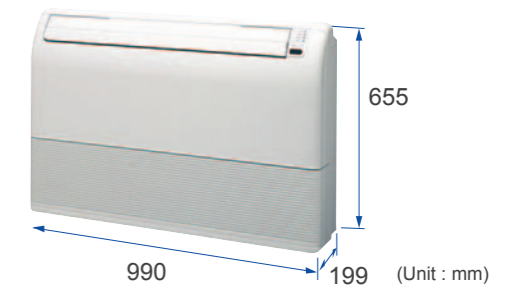
Double Louvre Super vane with newly developed special configuration boosts airflow sending cool air quickly to every corner of the room.

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.



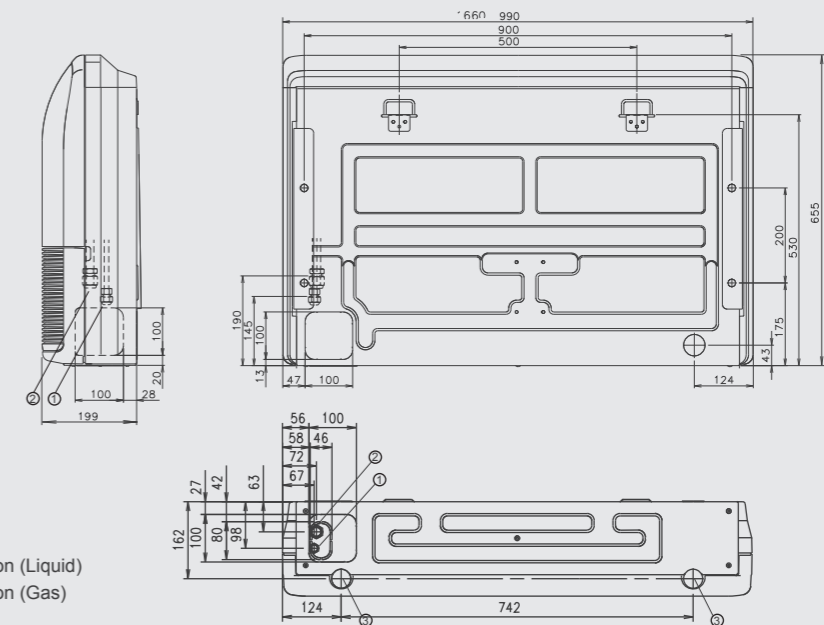
Specifications

Model No.	Indoor unit		ABG18FBBJ	ABG24FBBJ	ABG14UBBJ	ABG18UBBJ	ABG24UBBJ
	Outdoor unit		AOG18FBNB	AOGR24FBNB	AOG14USDJL	AOG18USDJL	AOG24UNBNL
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	5.40	6.50	4.00	5.40	6.50
		BTU/h	18,400	22,100	13,700	18,400	22,100
	Heating	kW	-	-	4.70	6.0	7.40
		BTU/h	-	-	16,000	20,400	25,200
Input Power	Cooling/Heating	kW	1.92 / -	2.45 / -	1.42 / 1.35	1.90 / 1.85	2.42 / 2.30
EER	Cooling		2.81	2.65	2.82	2.84	2.69
COP	Heating	W/W	-	-	3.48	3.24	3.22
Running Current	Cooling/Heating	A	8.5 / -	11.0 / -	6.30 / 6.00	8.96 / 8.30	10.8 / 10.3
Moisture Removal		l/h	2.0	2.5	1.5	2.0	2.5
Sound Pressure	Indoor (High)	dB(A)	47.0	50.0	41.0	47.0	49.0
	Outdoor		52.0	53.0	50.0	52.0	53.0
Airflow Rate (High)	Indoor	m ³ /h	780	880	640	780	880
	Outdoor		3,400	3,200	1,600	3,200	3,200
Net Dimension HxWxD	Indoor	mm	199x990x655	199x990x655	199x990x655	199x990x655	199x990x655
	Outdoor	kg(lbs)	28.0(62)	28.0(62)	28.0(62)	28.0(62)	28.0(62)
Net Weight	Indoor	mm	650x830x320	650x830x320	530x750x250	650x830x320	650x830x320
	Outdoor	kg(lbs)	47(103)	58(128)	35.0(77)	52(114)	59(130)
Piping Connections (Small / Large)		m	6.35/15.88	9.52/15.88	6.35/12.70	6.35/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	25.0/29.0	25.0/29.0	25.0/29.0	25.0/29.0	25.0/29.0
Max Pipe Length (Pre-Charge)		m	20(7.5)	20(7.5)	15(7.5)	20(7.5)	20(7.5)
Max Height Difference			8	8	8	8	8
Operation Range	Cooling	°CDB	21 to 43	21 to 43	0 to 43	0 to 43	0 to 43
	Heating		-	-	-6 to 24	-6 to 24	-6 to 24
Refrigerant			R410A	R410A	R410A	R410A	R410A

Dimensions

Models: ABG18FBBJ / ABG24FBBJ / ABG14UBBJ / ABG18UBBJ / ABG24UBBJ

(Unit : mm)



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

CONSTANT SPEED FLOOR/CEILING UNIVERSAL

Model : ABG18ABAJ / ABG24ABAJ
ABG18RBAJ / ABG24RBAJ



Wireless R.C.



Flexible installation

Example for floor installation

Floor console



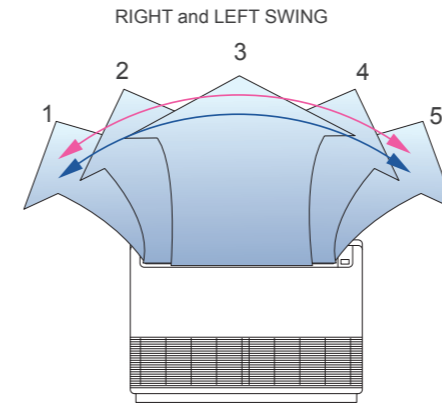
Example for ceiling installation

Under ceiling

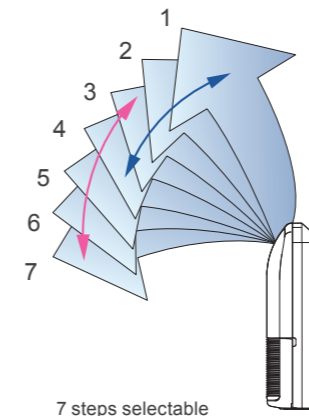


Double auto swing

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

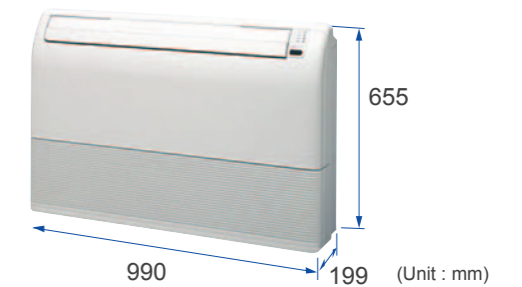
Double Louvre Super vane with newly developed special configuration boosts airflow sending cool air quickly to every corner of the room.

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.



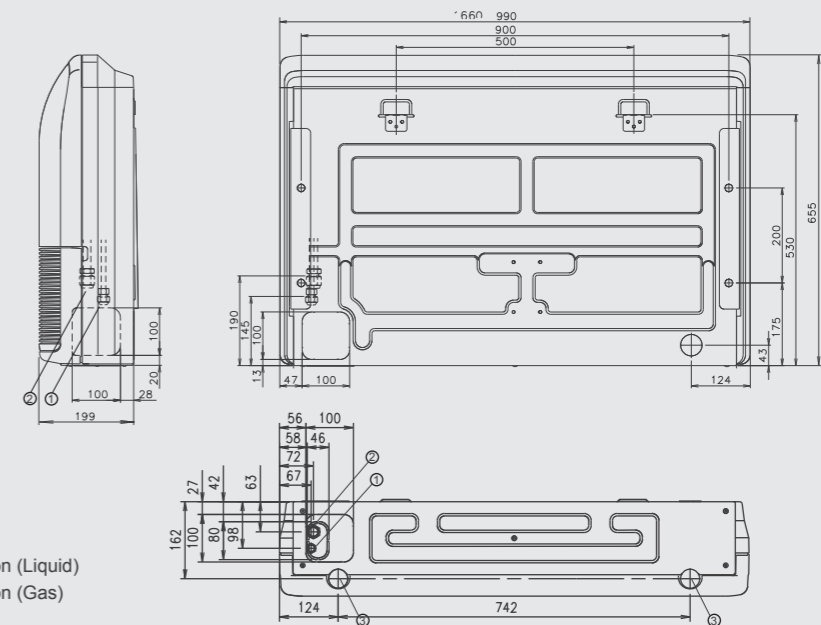
Specifications

Model No.	Indoor unit		ABG18ABAJ	ABG24ABAJ	ABG18RBAJ	ABG24RBAJ
	Outdoor unit		AOGR18ADTH	AOGR24ADTH	AOG18RNAKH	AOG24RNAKH
Power Source	V/∅/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity	Cooling	kW	5.40-5.50	6.80-6.90	5.30-5.40	6.60-6.80
		BTU/h	18,400-18,800	23,200-23,600	18,100-18,400	22,500-23,200
	Heating	kW	—	—	5.50-5.60	7.60-7.80
		BTU/h	—	—	18,800-19,100	25,900-26,600
Input Power	Cooling/Heating	kW	1.84-1.89 / —	2.53-2.67 / —	1.83-1.91/1.70-1.75	2.60-2.78/2.53-2.68
EER	Cooling	—	2.93-2.91	2.69-2.58	2.90-2.83	2.54-2.45
COP	Heating	W/W	—	—	3.24-3.20	3.00-2.91
Running Current	Cooling/Heating	A	8.4-8.4 / —	12.2-12.8 / —	8.5-8.5/7.8-7.8	12.4-12.8/12.4-12.8
Moisture Removal	l/h		2.0	3.4	1.7	2.5
Sound Pressure	Indoor (High)		47(at 240V)	50(at 240V)	47(at 240V)	49(at 240V)
	Outdoor		53(at 240V)	54(at 240V)	53(at 240V)	54(at 240V)
Airflow Rate (High)	Indoor		800(at 240V)	900(at 240V)	800(at 240V)	900(at 240V)
	Outdoor		3,200(at 240V)	3,200(at 240V)	3,200(at 240V)	3,200(at 240V)
Net Dimension HxWxD	Indoor		mm 199x990x655	mm 199x990x655	mm 199x990x655	mm 199x990x655
	Outdoor		kg(lbs) 30.0 (66)	kg(lbs) 30.0 (66)	kg(lbs) 30.0 (66)	kg(lbs) 30.0 (66)
Piping Connections (Small / Large)	mm		9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain Pipe Diameter (I.D./O.D.)	mm		25.0/29.0	25.0/29.0	25.0/29.0	25.0/29.0
Max Pipe Length (Pre-Charge)	m		20(7.5)	20(7.5)	20(7.5)	20(7.5)
Max Height Difference	m		8	8	8	8
Operation Range	Cooling	°CDB	21 to 52	21 to 52	0 to 52	0 to 52
	Heating	°CDB	—	—	0 to 24	0 to 24
Refrigerant	—		R22	R22	R22	R22

Dimensions

Models: ABG18ABAJ / ABG24ABAJ / ABG18RBAJ / ABG24RBAJ

(Unit : mm)



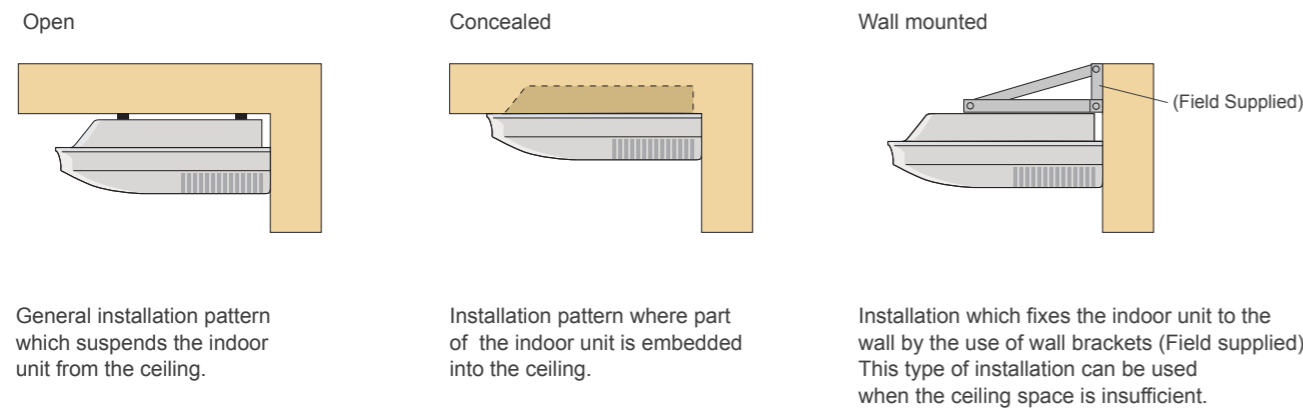
- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

CONSTANT SPEED CEILING

Model : ABG30ABA-W / ABG36ABA3W [3phase] / ABG45ABA3W [3phase] / ABG54ABA3W [3phase]
 ABG30RBA-W / ABG36RBA3W [3phase] / ABG45RBA3W [3phase] / ABG54RBA3W [3phase]



Installation



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

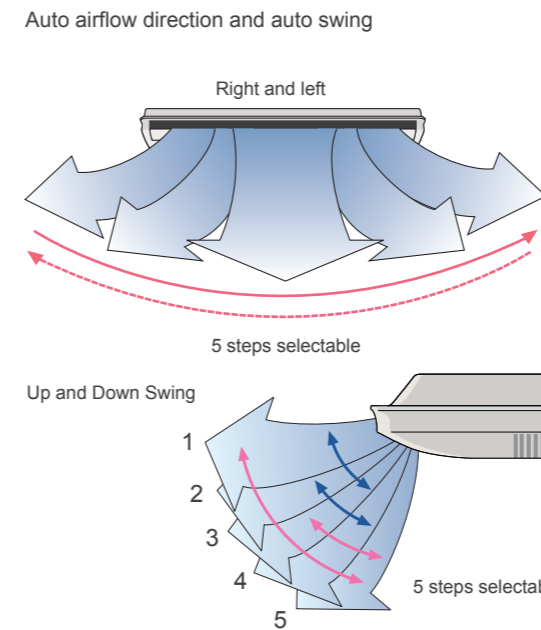
Installation pattern where part of the indoor unit is embedded into the ceiling.

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.

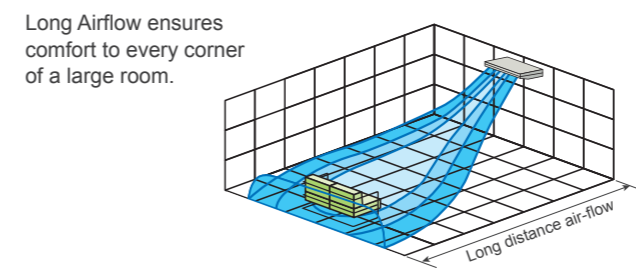
Specifications

Model No.	Indoor unit		ABG30ABA-W	ABG36ABA3W	ABG45ABA3W	ABG54ABA3W	ABG30RBA-W	ABG36RBA3W	ABG45RBA3W	ABG54RBA3W
	Outdoor unit		AOG30AMBH	AOG36APA3L	AOG45APA3L	AOG54APA3L	AOG30RMCL	AOG36RPA3L	AOG45RPA3L	AOG54RPA3L
Power Source	V/∅/Hz		220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity	Cooling	kW	8.60-8.80	10.30-10.50	12.40-12.70	13.90-14.10	8.30-8.60	10.30-10.50	12.40-12.70	13.90-14.10
		BTU/h	29,400-30,000	32,520-36,000	42,500-43,500	47,500-48,000	29,400-30,000	35,200-35,800	42,300-43,300	47,400-48,000
	Heating	kW	—	—	—	—	9.30-9.50	10.50-10.70	13.40-13.70	15.40-15.80
		BTU/h	—	—	—	—	30,100-31,000	35,800-36,500	45,700-46,800	52,500-53,900
Input Power	Cooling/Heating	kW	3.20-3.30 / —	3.80-3.90 / —	4.45-4.57 / —	5.20-5.25 / —	3.25-3.35 / 2.95-3.10	4.00-4.10 / 3.45-3.50	4.35-4.45 / 4.45-4.50	5.20-5.25 / 5.30-5.30
EER	Cooling	—	2.69-2.67	2.71-2.69	2.79-2.78	2.67-2.69	2.55-2.57	2.58-2.56	2.85-2.85	2.67-2.69
COP	Heating	W/W	—	—	—	—	3.15-3.06	3.04-3.06	3.01-3.04	2.91-2.98
Running Current	Cooling/Heating	A	14.70-14.50 / —	7.00-7.20 / —	7.50-7.50 / —	9.00-8.90 / —	15.0-14.8 / 13.6-13.9	7.0-7.0 / 6.2-6.3	8.1-8.3 / 8.4-8.4	9.0-8.9 / 9.1-9.0
Moisture Removal	l/h	—	4.0	4.0	5.5	6.0	4.0	4.0	5.5	5.5
Airflow Rate (High)	Indoor	m ³ /h	1,270	1,660	1,850	2,100	1,270	1,660	1,850	2,100
		mm	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700
Net Dimension HxWxD	Indoor	kg(lbs)	48.0 (106)	48.0 (106)	48.0 (106)	48.0 (108)	48.0 (106)	48.0 (106)	48.0 (106)	49.0 (108)
Net Weight	Outdoor	mm	900x900x350	1,152x940x370	1,152x940x370	1,152x940x370	900x900x350	1,152x940x370	1,152x940x370	1,152x940x370
		kg(lbs)	84.0 (185)	94.0 (207)	102.0 (224)	112.0 (246)	80.0 (176)	100.0 (220)	110.0 (242)	120.0 (264)
Piping Connections (Small / Large)	mm	9.52/15.88	9.52/19.05	9.52/19.05	9.52/19.05	9.52/15.88	9.52/19.05	9.52/19.05	9.52/19.05	
Drain Pipe Diameter (I.D./O.D.)	mm	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	22.0/25.6	
Max Pipe Length (Pre-Charge)	m	30(7.5)	50(7.5)	50(20)	50(20)	25(7.5)	50(20)	50(20)	50(20)	
Max Height Difference	—	15	30	30	30	15	30	30	30	
Operation Range	Cooling	°CDB	21 to 52	0 to 52	0 to 52	0 to 52	0 to 43	0 to 52	0 to 52	0 to 52
	Heating	—	—	—	—	-5 to 21	-8 to 21	-8 to 21	-8 to 21	
Refrigerant	—	R22	R22	R22	R22	R22	R22	R22	R22	

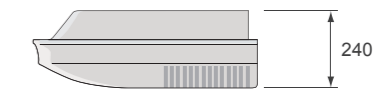
Double auto swing and wide airflow



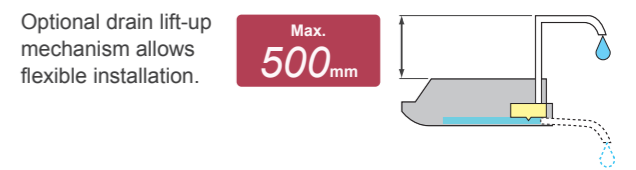
Long Airflow



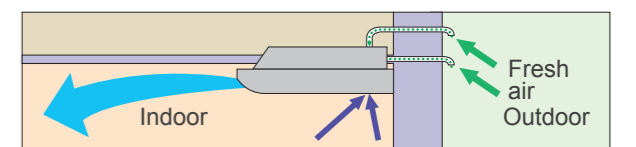
Slim & Compact design



Condensate lift-up mechanism (Option)



Fresh air intake



Long-life filter

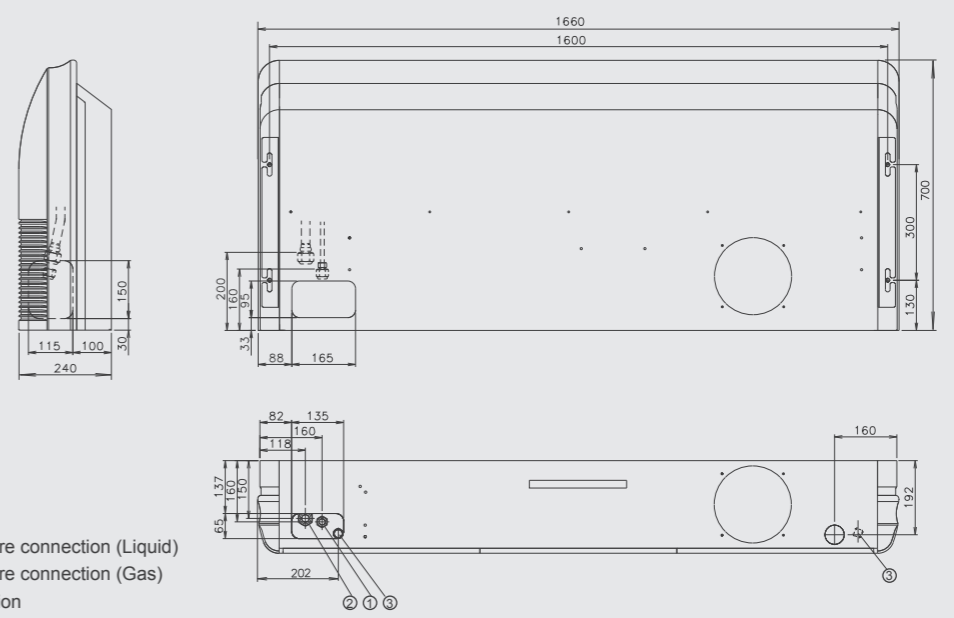
High efficiency long-life filter doubles the life of the filter compared to standard filters.

Optional parts

Drain Pump Unit: UTR-DPB24T
 Flange: UTD-RF204

Dimensions

Models: ABG30ABA-W / ABG36ABA3W / ABG45ABA3W / ABG54ABA3W
 ABG30RBA-W / ABG36RBA3W / ABG45RBA3W / ABG54RBA3W (Unit : mm)

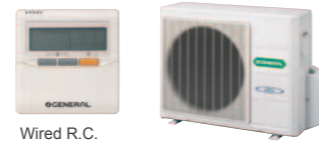


- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection

CONSTANT SPEED

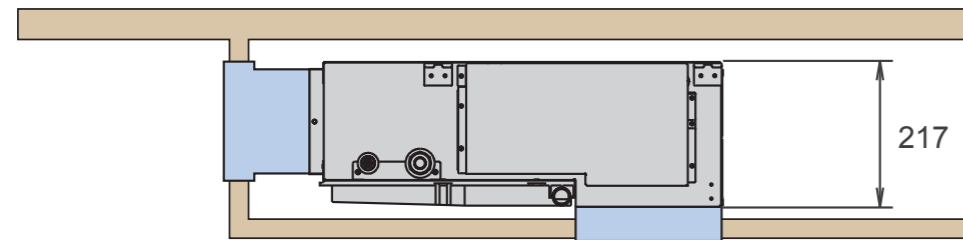
LOW STATIC PRESSURE DUCT

Model : ARG18FUAL
ARG18UUAL



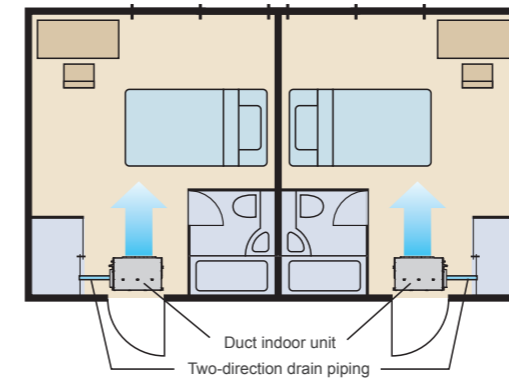
Compact design

Ultra-slim duct air conditioner for easy installation

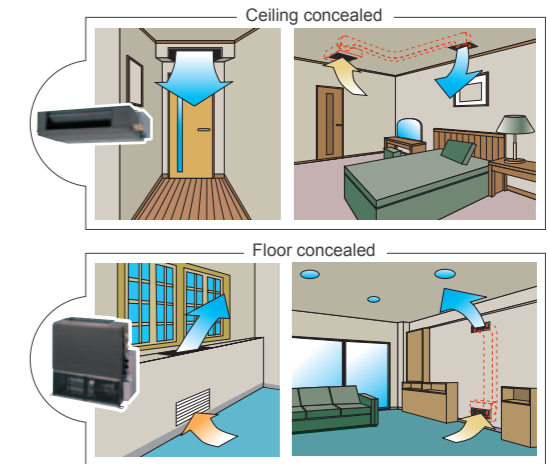


Slim size (217mm) allows installation even where the space behind the ceiling is narrow.

Two-direction drain piping

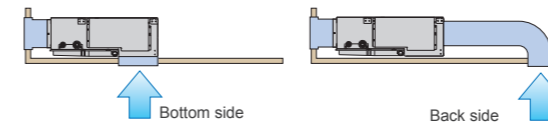


Flexible installation

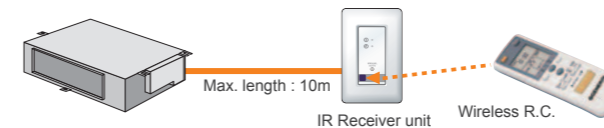


Air-intake

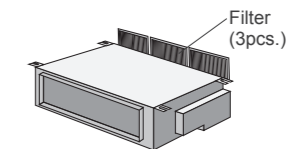
Air intake direction can be selected to match the installation site.



Optional function for comfort



Filter (Accessory)



Optional parts

- Simple Remote Controller: UTB-GPB
- Remote Sensor Unit: UTD-RS100 / UTY-XSZX
- IR Receiver Unit: UTY-LRJG1
- Drain Pump Unit: UTZ-PX1BBA

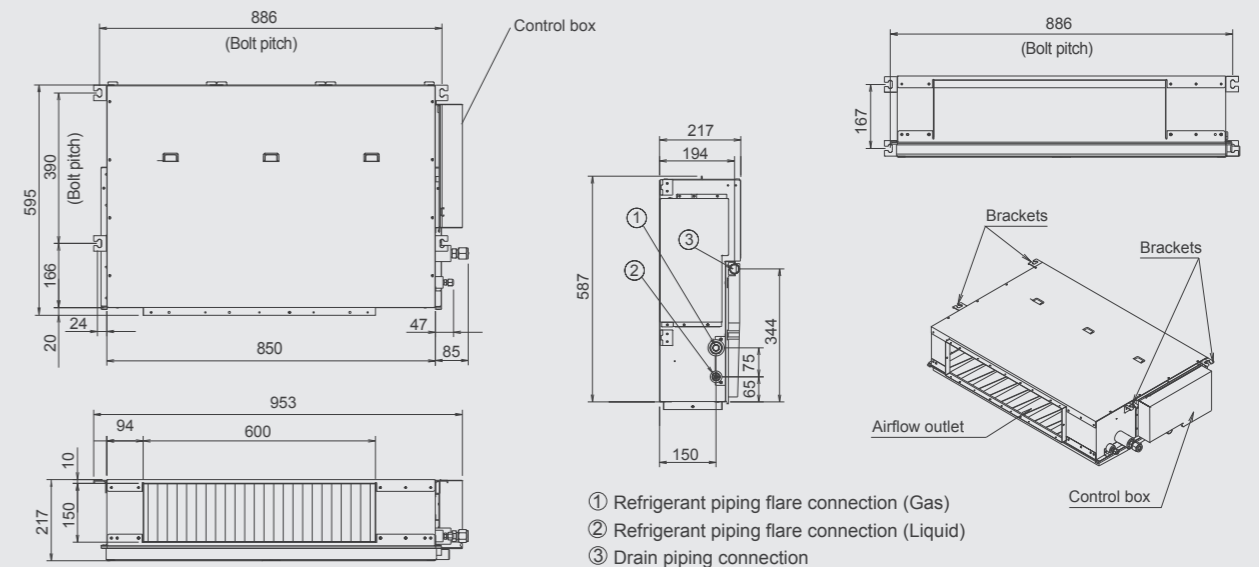
Specifications

Model No.	Indoor unit		ARG18FUAL	ARG18UUAL
	Outdoor unit		AOG18FNDN	AOG18UNDNL
Power Source	V/∅/Hz		230/1/50	230/1/50
Capacity	Cooling	kW	5.40	5.40
		BTU/h	18,400	18,400
	Heating	kW	—	6.00
		BTU/h	—	20,500
Input Power	Cooling/Heating	kW	2.03 / —	1.92 / 1.87
EER	Cooling		2.66	2.81
COP	Heating	W/W	—	3.21
Running Current	Cooling/Heating	A	9.00 / —	8.88 / 8.70
Moisture Removal		l/h	1.6	1.6
Airflow Rate (High)	Indoor	m³/h	1,000	1,000
		mm	217x953x595	217x953x595
Net Dimension HxWxD	Indoor	kg(lbs)	25.0 (55)	25.0 (55)
		mm	650x830x320	650x830x320
Net Weight	Outdoor	kg(lbs)	47.0 (103)	52.0 (114)
		kg(lbs)	6.35/15.88	6.35/15.88
Piping Connections (Small / Large)		mm	21.5/26.0	21.5/26.0
Drain Pipe Diameter (I.D./O.D.)		m	20(7.5)	20(7.5)
Max Pipe Length (Pre-Charge)			8	8
Max Height Difference			0 to 43	0 to 43
Operation Range	Cooling	°CDB	—	-6 to 24
	Heating			
Refrigerant			R410A	R410A

Dimensions Models: ARG18FUAL / ARG18UUAL

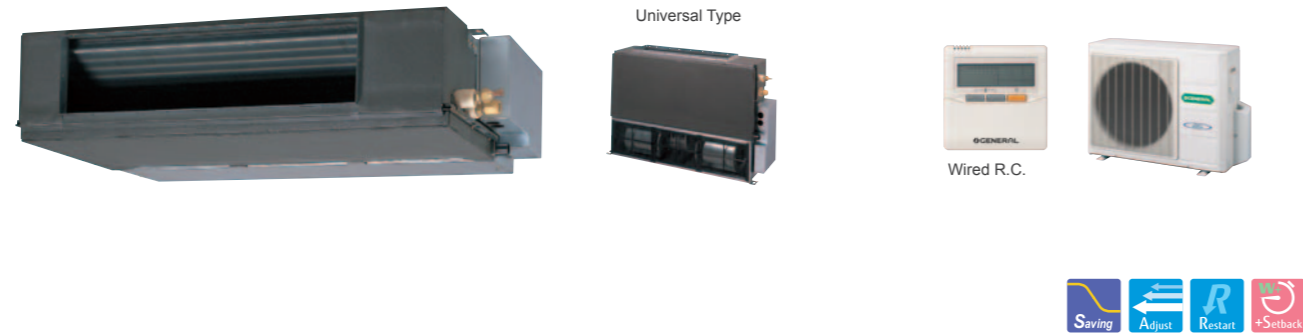
(Unit : mm)

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



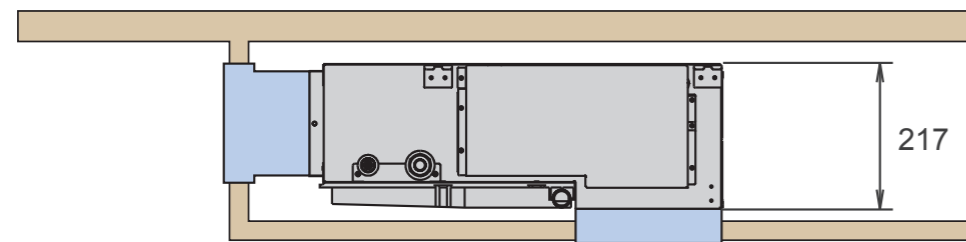
- ① Refrigerant piping flare connection (Gas)
- ② Refrigerant piping flare connection (Liquid)
- ③ Drain piping connection

Model : ARG18ALCH



Compact design

Ultra-slim duct air conditioner for easy installation

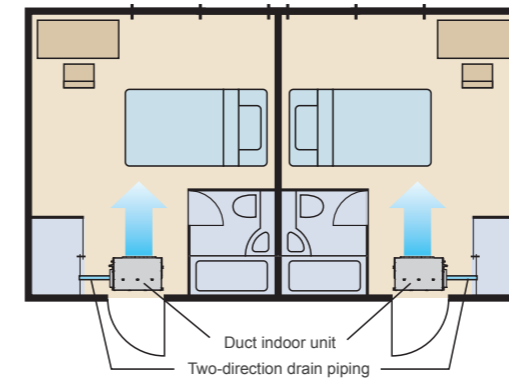


Slim size (217mm) allows installation even where the space behind the ceiling is narrow.

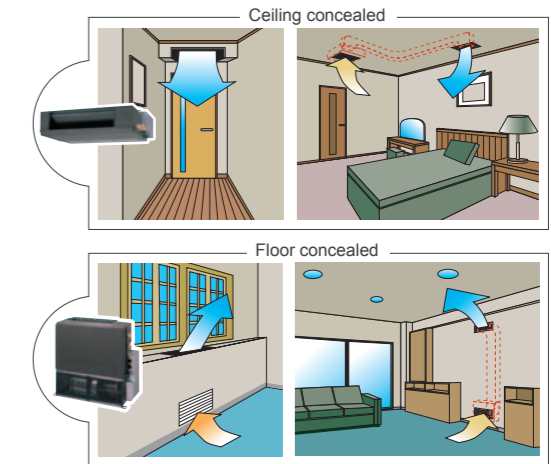
Specifications

Model No.	Indoor unit		ARG18ALCH
	Outdoor unit		AOGA18ADTH
Power Source	V/∅/Hz		220-240/1/50
Capacity	Cooling	kW	5.30-5.40
		BTU/h	18,100-18,400
Input Power	Cooling	kW	1.90-2.00
EER	Cooling	W/W	2.79-2.70
Running Current	Cooling	A	9.0-8.9
Moisture Removal		l/h	1.6
Sound Pressure	Indoor (High)	dB(A)	43
	Outdoor		53
Airflow Rate (High)	Indoor	m³/h	960
	Outdoor		3,400
Net Dimension H×W×D	Indoor	mm	217x953x595
		kg(lbs)	25.0(55)
Net Weight	Outdoor	mm	650x830x320
		kg(lbs)	51.0(113)
Piping Connections (Small / Large)			6.35/15.88
Drain Pipe Diameter (I.D./O.D.)		mm	21.5/26.0
Max Pipe Length (Pre-Charge)		m	20
Max Height Difference			8
Operation Range	Cooling	°CDB	21 to 52
Refrigerant			R22

Two-direction drain piping

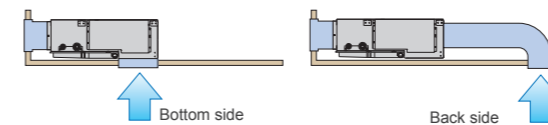


Flexible installation

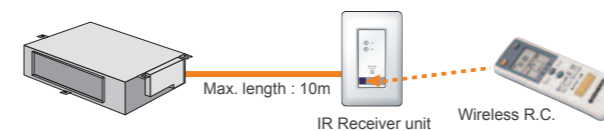


Air-intake

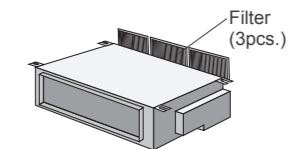
Air intake direction can be selected to match the installation site.



Optional function for comfort



Filter (Accessory)



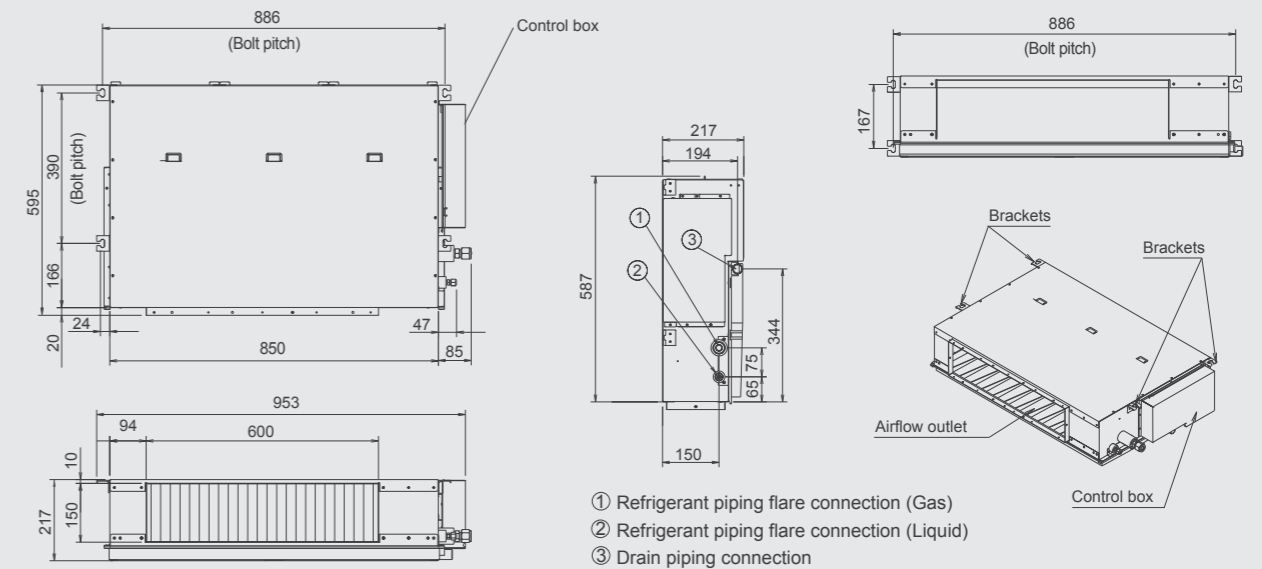
Optional parts

- Simple Remote Controller: UTB-GPB
- Remote Sensor Unit: UTD-RS100 / UTY-XSZX
- IR Receiver Unit: UTY-LRJG1
- Drain Pump Unit: UTZ-PX1BBA

Dimensions Models: ARG18ALCH

(Unit : mm)

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



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

CONSTANT SPEED

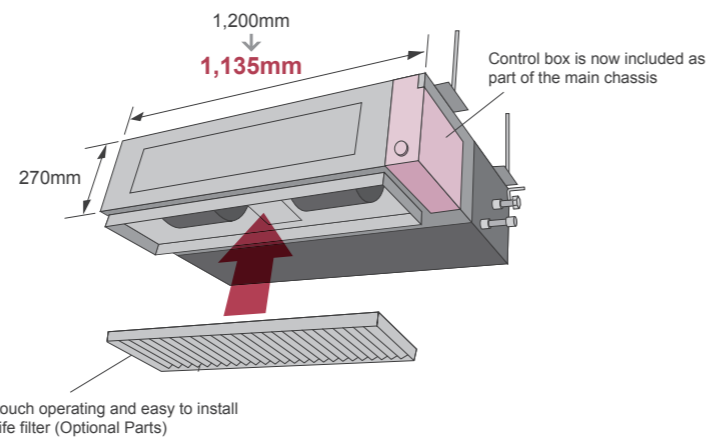
MEDIUM STATIC PRESSURE DUCT

Model : ARG25FUAN / ARG30FUAN / ARG36FUAN [3phase] / ARG45FUAN [3phase]
 ARG25UUAN / ARG30UUAN / ARG36UUAN [3phase] / ARG45UUAN [3phase]

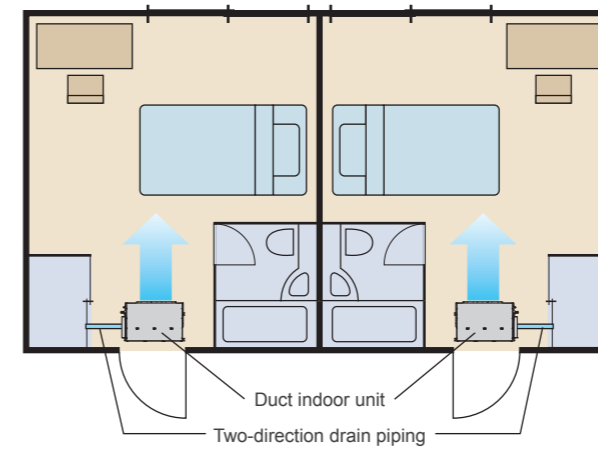


Slim & Compact design

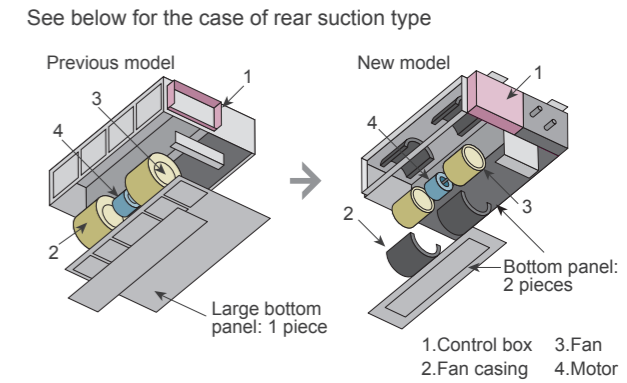
In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270mm, Further space savings have been achieved by mounting the electrical control box internally inside the chassis.



Two-direction drain piping

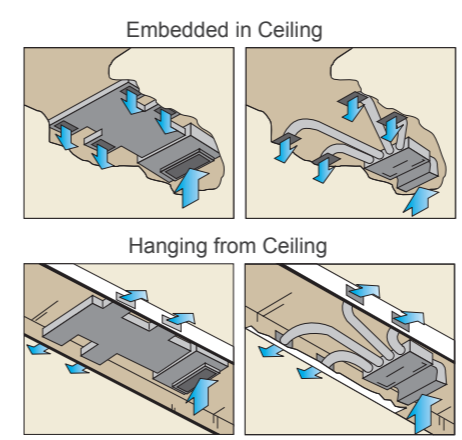


Easy maintenance



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

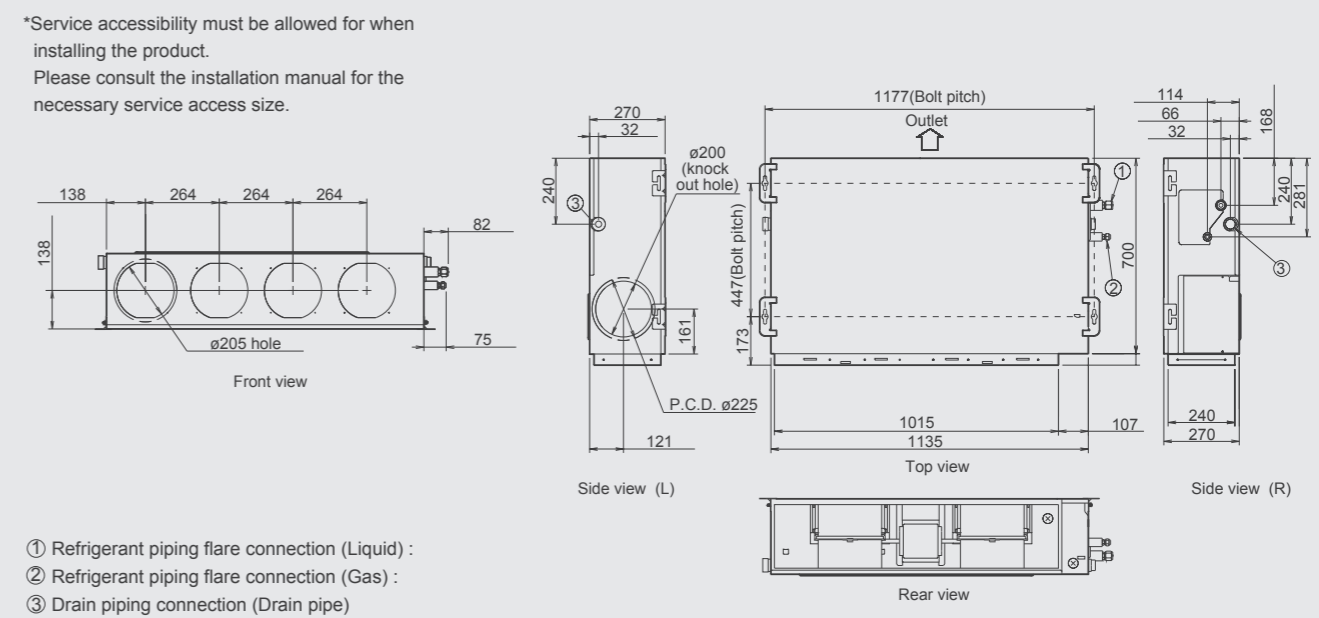
- Simple Remote Controller: UTY-RSNGM
- Flange: UTD-RF204 / UTD-SF045T
- Drain Pump Unit: UTZ-PX1NBA
- Long Life Filter: UTD-LF25NA
- External Control Set: UTD-ECS5A

Specifications

Model No.	Indoor unit		ARG25FUAN	ARG30FUAN	ARG36FUAN	ARG45FUAN	ARG25UUAN	ARG30UUAN	ARG36UUAN	ARG45UUAN
	Outdoor unit		AOG25FNAKL	AOG30FNBWL	AOG36FNAXT	AOG45FMAXT	AOG25UNANL	AOG30UNBWL	AOG36UNAXT	AOG45UMAXT
Power Source	V/∅/Hz		230/1/50	230/1/50	400/3/50	400/3/50	230/1/50	230/1/50	400/3/50	400/3/50
Capacity	Cooling	kW	7.05	8.40	10.5	12.7	7.00	8.40	10.5	12.7
		BTU/h	24,100	28,700	35,900	43,400	23,900	28,700	35,900	43,400
	Heating	kW	-	-	-	-	7.70	9.50	12.7	14.3
		BTU/h	-	-	-	-	26,300	32,400	43,400	48,800
Input Power	Cooling/Heating	kW	2.60 / -	2.99 / -	3.85 / -	4.38 / -	2.65 / 2.33	2.99 / 2.63	3.60 / 3.65	4.38 / 4.39
EER	Cooling		2.71	2.81	2.73	2.90	2.64	2.81	2.92	2.90
COP	Heating	W/W	-	-	-	-	3.30	3.61	3.48	3.26
Running Current	Cooling/Heating	A	11.5 / -	14.0 / -	6.40 / -	7.70 / -	11.8 / 10.5	14.0 / 12.4	6.10 / 6.20	7.70 / 7.70
Moisture Removal		l/h	2.5	3.0	3.5	5.0	2.5	3.0	3.5	5.0
Airflow Rate (High)	Indoor	m³/h	1,100	1,400	1,750	1,800	1,100	1,400	1,750	1,800
		mm	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700	270×1,135×700
Net Dimension H×W×D	Indoor	kg(lbs)	43(95)	43(95)	43(95)	45(99)	43(95)	43(95)	43(95)	45(99)
		mm	650×830×320	830×900×330	1,165×900×330	1,165×900×330	650×830×320	830×900×330	1,165×900×330	1,165×900×330
Net Weight	Outdoor	kg(lbs)	58(128)	68(150)	80(176)	109(240)	59(130)	69(152)	94(207)	113(249)
		m	9.52/15.88	9.52/15.88	9.52/15.88	9.52/19.05	9.52/15.88	9.52/15.88	9.52/15.88	9.52/19.05
Piping Connections (Small / Large)		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	36.0/38.0	36.0/38.0
Drain Pipe Diameter (I.D./O.D.)		m	25(7.5)	30(7.5)	50(20)	50(20)	25(7.5)	30(7.5)	50(20)	50(20)
Max Pipe Length (Pre-Charge)			15	15	30	30	15	15	30	30
Max Height Difference	Cooling	°CDB	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43
Operation Range	Heating		-	-	-	-	-7 to 24	-7 to 24	-10 to 24	-10 to 24
	Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A

Dimensions

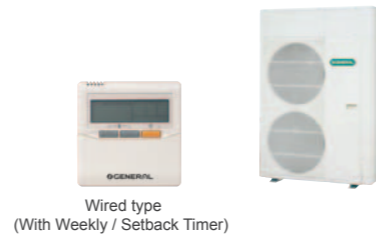
Models: ARG25FUAN / ARG30FUAN / ARG36FUAN / ARG45FUAN
 ARG25UUAN / ARG30UUAN / ARG36UUAN / ARG45UUAN (Unit : mm)



CONSTANT SPEED

HIGH STATIC PRESSURE DUCT

Model : ARG60FUAK [3phase] / ARG60UUAK [3phase]



Wired type
(With Weekly / Setback Timer)

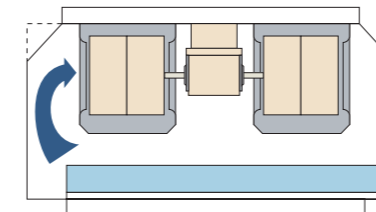
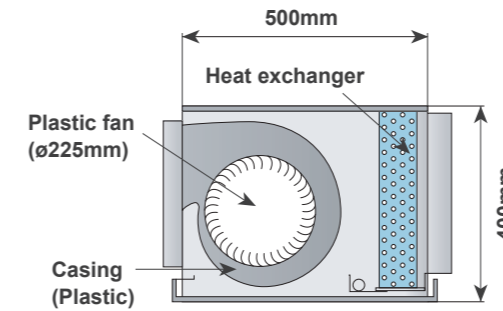


Low noise

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)]



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

Pursuance of amenity performance

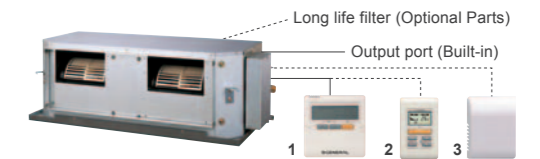
Various remote controllers and sensors can be selected

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

- Simple Remote Controller: UTY-RSNGM
- Long-Life Filter: UTD-LF60KA
- Remote Sensor Unit: UTY-XSZX
- External Control Set: UTD-ECS5A
- IR Receiver Unit: UTY-LRHG1

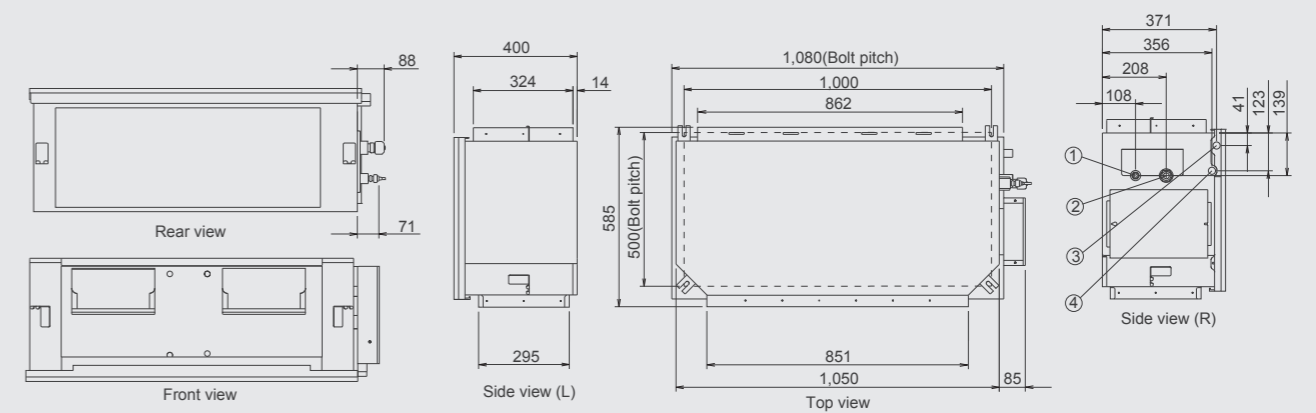
Specifications

Model No.	Indoor unit		ARG60FUAK	ARG60UUAK
	Outdoor unit		AOG60FMAYT	AOG60UMAYT
Power Source	V/∅/Hz		400/3/50	400/3/50
Capacity	Cooling	kW	16.5	16.5
		BTU/h	56,300	56,300
	Heating	kW	-	19.5
		BTU/h	-	66,600
Input Power	Cooling/Heating	kW	5.93	6.06/5.54
EER	Cooling		2.72	
COP	Heating	W/W	-	3.52
Running Current	Cooling/Heating	A	10.0/-	10.2/9.8
Moisture Removal		l/h	4.0	4.0
Airflow Rate (High)	Indoor	m³/h	3,500	3,500
		mm	400×1,050×500	400×1,050×500
Net Dimension H×W×D	Indoor	kg(lbs)	50(110)	50(110)
		mm	1,290×900×330	1,290×900×330
Net Weight	Outdoor	kg(lbs)	114(251)	118(260)
		mm	9.52/19.05	9.52/19.05
Piping Connections (Small / Large)		mm	23.4/25.4	23.4/25.4
Drain Pipe Diameter (I.D./O.D.)		m	50(20)	50(20)
Max Pipe Length (Pre-Charge)			30	30
Max Height Difference	Cooling	°CDB	0 to 43	0 to 43
	Heating		-	-10 to 24
Refrigerant			R410A	R410A

Dimensions Models:

(Unit : mm)

Model: ARG60AUAK / ARG60RUAK



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

Model : ARG60AUAK [3phase] / ARG60RUAK [3phase]



Wired type
(With Weekly / Setback Timer)



Model : ARG90ELC3 [3phase] / ARG90TLC3 [3phase]

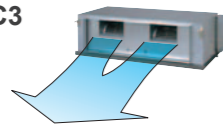


Wired type
(With Weekly Timer)

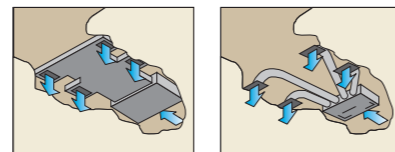


Design also corresponding to high static pressure

Model: ARG90TLC3



MAX.
300pa

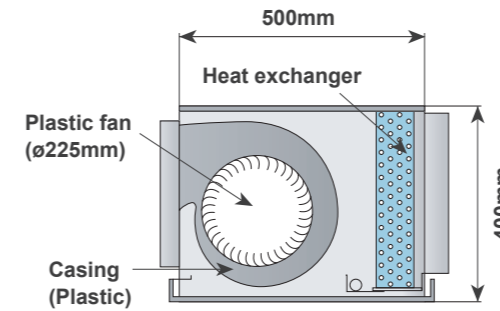


Low noise

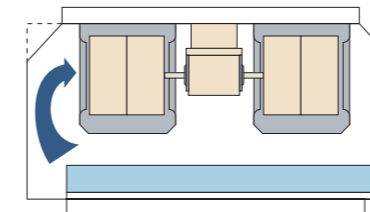
Turbulent air flow is reduced by cutting off the corners of conventional indoor unit front panel and fan case

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

Plastic fan [45dB(A)]
(ARG60AUAK / ARG60RUAK)



(ARG60AUAK / ARG60RUAK)



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

Pursuance of amenity performance

Various remote controllers and sensors can be selected

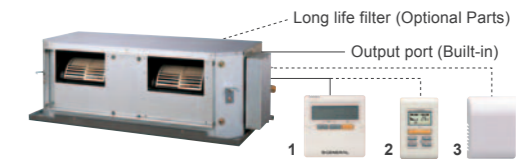
1.Wired Remote Controller with Thermo Sensor

- 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

- Simple Remote Controller: UTY-RSNGM
- Long-Life Filter: UTD-LF60KA (For ARG60AUAK / ARG60RUAK)
- Remote Sensor Unit: UTY-XSZX
- External Control Set: UTD-ECS5A (For ARG60AUAK / ARG60RUAK)
- IR Receiver Unit: UTY-LRHG1

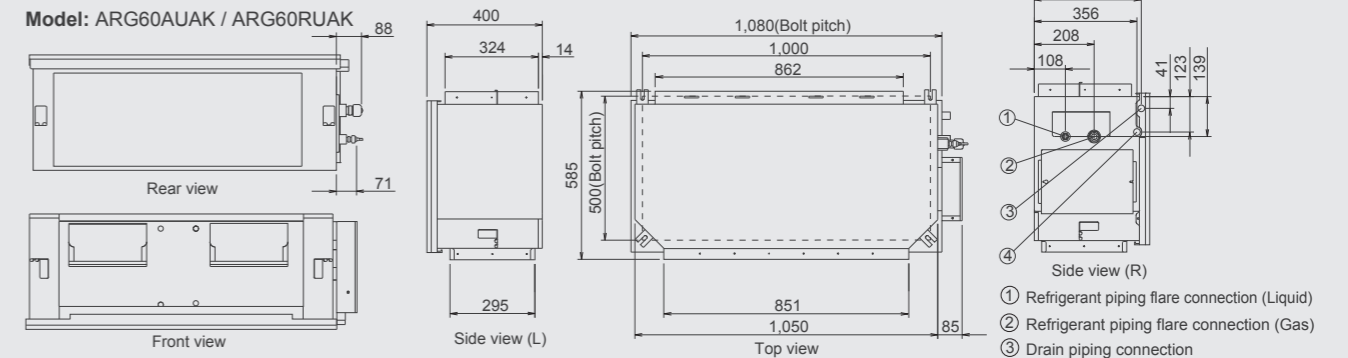
Specifications

Model No.	Indoor unit		ARG60AUAK	ARG60RUAK	ARG90ELC3	ARG90TLC3
	Outdoor unit		AOG60APBGT	AOG60RPAGT	AOG90EPD3L	AOG90TPC3L
Power Source	V/∅/Hz		380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity	Cooling	kW	16.40-17.00	16.40-17.00	25.40-25.40	24.80-25.40
		BTU/h	56,000-58,000	56,000-58,000	86,700-86,700	84,700-86,700
	Heating	kW	—	17.80-18.20	—	28.90-29.50
		BTU/h	—	61,000-62,100	—	98,500-100,500
Input Power	Cooling/Heating	kW	5.80-5.90 / —	5.90-6.00 / 5.05-5.25	10.50-10.50 / —	12.20-12.50 / 12.20-12.50
EER	Cooling	—	2.83-2.88	2.78-2.83	2.42-2.42	2.03-2.03
COP	Heating	W/W	—	3.52-3.47	—	2.37-2.36
Running Current	Cooling/Heating	A	9.80-9.80 / —	9.80-9.80 / 8.70-8.70	17.50-17.00 / —	19.50-19.50 / 19.50-19.50
Moisture Removal	l/h	—	6.5	6.5	7.0	7.5
Airflow Rate (High)	Indoor	m³/h	3,600	3,600	4,300	4,300
		mm	400x1,150x585	400x1,150x585	450x1,550x700	450x1,550x700
Net Dimension HxWxD	Indoor	kg(lbs)	50.0 (110)	50.0 (110)	85.0 (187)	85.0 (187)
		mm	1,355x940x370	1,355x940x370	1,380x1,300x650	1,380x1,300x650
Net Weight	Outdoor	kg(lbs)	121.0 (266)	129.0 (284)	243.0 (535)	245.0 (539)
		mm	9.52/19.05	9.52/19.05	12.7/28.58	12.7/28.58
Piping Connections (Small / Large)	mm		50(7.5)	50(20)	50(30)	50(30)
Max Pipe Length (Pre-Charge)	m		30	30	30	30
Max Height Difference	°CDB		0 to 52	0 to 52	0 to 46	0 to 46
Operation Range	Cooling	—	—	-8 to 24	—	-10 to 21
Refrigerant	Heating	—	—	—	—	—
			R22	R22	R407C	R407C

*The measurement static pressure of ARG60AU/RU is 100Pa and ARG90EL/TL is 196Pa.

Dimensions Models:

Model: ARG60AUAK / ARG60RUAK



Model: ARG90ELC3 / ARG90TLC3

