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Airconditioners Warmtepompen

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Energy saving design to provide a comfortable indoor environment while being environment-friendly.

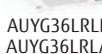
An air conditioner that is people-friendly is also environment-friendly. Fujitsu General offers a broad lineup of products from large living rooms to bedrooms and children's rooms. We make your room more comfortable with a wide range of air conditioner types from ceiling wall type with automatic filters and cleaning functions to wall mounted type that improve the air cleaning function. Of course these models feature highly efficient operation that conserves electricity.

9 types 64 models

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- 082 Medium Static Pressure Duct
- 086 High Static Pressure Duct

All Type Lineup

Type	Series	BTU				
		4	7	9	12	14
Wall Mounted Page 56 ~	Designer Range Series High Spec & Design			 ASYG09LTCA	 ASYG12LTCA	
	Designer Range Series High COP		 ASYG07LUCA	 ASYG09LUCA	 ASYG12LUCA	 ASYG14LUCA
	Standard Range Series High Efficiency & Comfort		 ASYG07LMCA	 ASYG09LMCA	 ASYG12LMCA	 ASYG14LMCA
	NEW Standard Range Series New Design & Large Capacity					
	Standard Range Series Comfort for Large Room					
	ECO Range Series Compact & Comfort		 ASYG07LLCC	 ASYG09LLCC	 ASYG12LLCC	
Floor Compact & Comfort Page 68			 AGYG09LVCA	 AGYG12LVCA	 AGYG14LVCA	
Floor/Ceiling Comfort & Dual Design Page 70						
Ceiling Comfort for Large Room Page 72						
Compact Cassette Page 74	4-way Flow Series Compact & Comfort				 AUYG12LVLB	 AUYG14LVLB
Cassette Page 76 ~	4-way Flow Series Comfort for Large Room					
	NEW Circular Flow Series Comfort for large room					
Slim Duct Slim & Comfort Page 80				 ARYG12LLTB	 ARYG14LLTB	
Medium Static Pressure Duct High Efficiency & Comfort Page 82						
NEW Medium Static Pressure Duct Compact & Comfort Page 84				 ARYG12LHTBP	 ARYG14LHTBP	
High Static Pressure Duct Page 86 ~						

BTU								
18	24	30	36	45	54	60	72	90
								
								
								
			 					
								
			 					
								
								
			 					
								
								
								

Feature Explanation

Energy Saving Function

- 
Save human sensor
 Human sensor detects the movement of people in the room and judges whether the energy saving operation.
- 
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.

- 
Save & Stop human sensor
 Human sensor detects the movement of people in the room and judges whether the energy saving or stop operation.
- 
Set temperature auto return
 The setting temperature automatically returns to the previously set temperature.

- 
Economy mode
 Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.

Comfortable Function

- 
Powerful heating
 Keeping the rated heating capacity even when the outdoor ambient temperature is -7°C.
- 
Powerful mode
 Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.
- 
Auto-changeover
 The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- 
Automatic fan speed
 The micro-computer automatically adjusts the airflow effectively to follow the changes of room temperature.
- 
Fresh air intake
 Fresh air can be taken in by a fan which can be connected using external control unit.

- 
Power diffuser
 An additional lower that opens based on monitoring sensors to quickly enhance immediate comfort needs.
- 
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.
- 
Up/down swing flaps
 The up/down flaps automatically swing up and down.
- 
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 distributing duct
 Systems are capable of attaching Locally purchased branch ducts distributing the airflow.

- 
Server room operation
 Interlock operation is possible by connecting 2 indoor units even in the low temperature.
- 
Low noise mode
 Sound noise level of outdoor unit can be selected.
- 
Double swing automatic
 Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.
- 
Connectable fresh air duct
 Outside air can be introduced by attaching Locally purchased duct to fresh air knockout and optional part.
- 
Individual airflow direction control
 Each louver of 4-way Cassette type can be controlled individually and provides comfortable airflow.

Convenient Function

- 
Auto off timer
 Automatically stops operation when a fixed time has elapsed from the start of operation.
- 
Weekly timer
 Different ON-OFF times can be set for each day.
- 
External error output

- 
Sleep timer
 The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
- 
Weekly + setback timer
 Weekly + Setback timer can set temperature for two times spans and for each day of the week.
- 
External ON/OFF input

- 
Program timer
 This digital timer allows selection of one of four options:
 ON, OFF, ON + OFF or OFF + ON.
- 
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.

Installation

- 
Automatic airflow adjustment
 Automatically detects required airflow in each application case and adjust the volume.

- 
Drain pump as standard

- 
Blue fin



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.

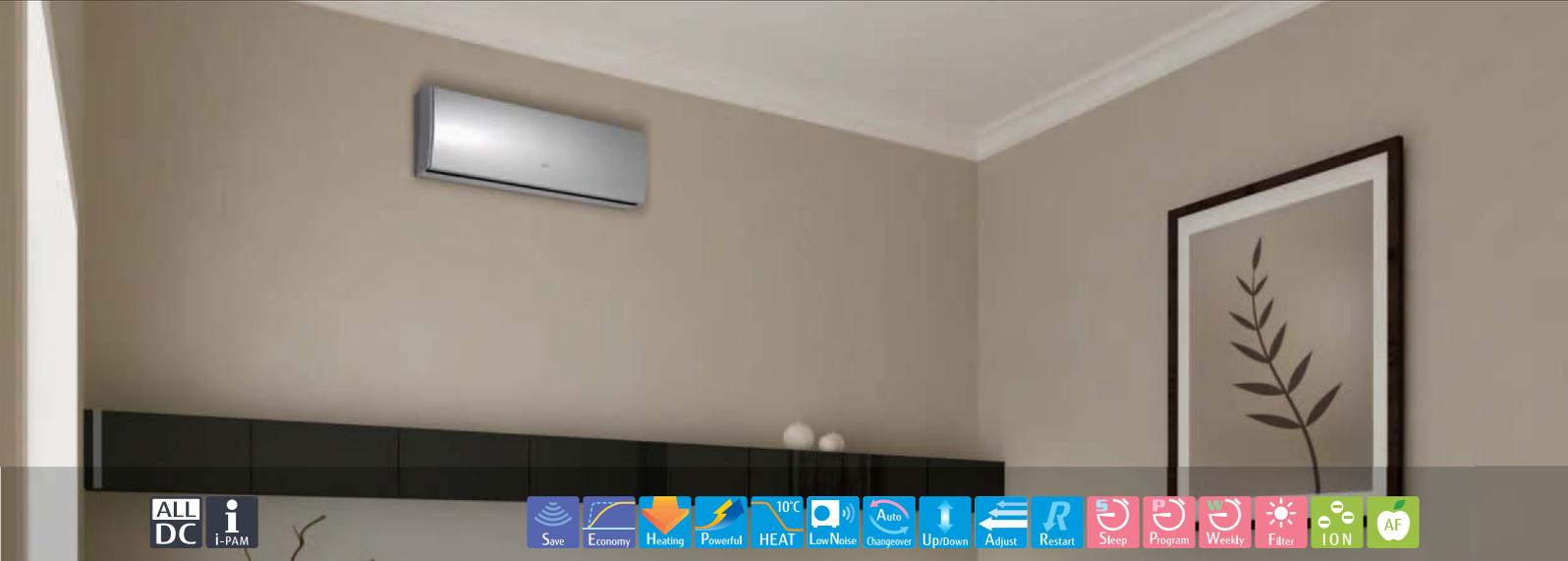
Feature Summary

	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA	ASYG0709/12/14/LUCA			
Energy Saving Function	Save human sensor	●	●															
	Save & Stop human sensor														○			
	Economy mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Room temperature set point limitation	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Set temperature auto return	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Comfortable Function	Powerful heating	●																
	Power diffuser			●				●										
	Powerful mode	●	●	●	●	●												
	Server room operation																	
	10°C HEAT operation	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	
	Low Noise mode	●	●	●	●						○ (45/54) (36/LRTA)	○ (45/54)			○ (45) (36/LMLA)	○ (45/54)	○	○
	Auto-changeover	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Up/down swing flaps	●	●	●	●	●	●	●	●	●	●	●	●	●	○			
	Double swing automatic																	
	Automatic fan speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Auto restart	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Connectable fresh air duct																	
	Fresh air intake																	
	Connectable distributing duct																	
	Individual airflow direction control																	
Convenient Function	Auto off timer	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Sleep timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○
	Program timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○
	Weekly timer	●	●	●	●													
	Weekly + setback timer	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	External error output	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Clean Function	External ON/OFF input	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Filter sign	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Ion deodorization filter	●	●	●	●	●	●	●										
	Apple-catechin filter	●	●	●	●	●	●	●										
Installation	Washable panel																	
	Automatic airflow adjustment																●	
	Drain pump as standard																●	
Blue fin																		

○: Optional function



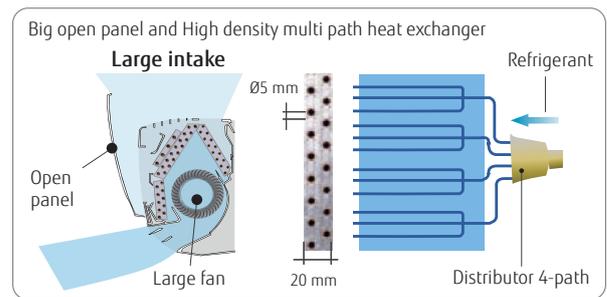
Wall Mounted Designer Range High Spec & Design



Features

Thin & Slim design

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



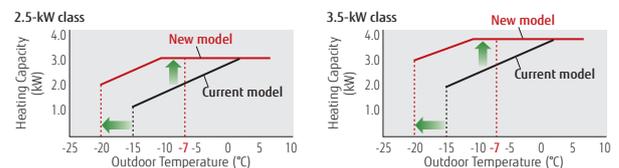
Human sensor

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



Powerful heating

Rated heating capacity is maintained up to an outdoor temperature lower than -7°C . This new model can operate even at -20°C low outdoor temperature.

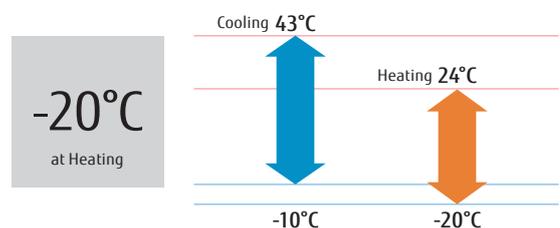


3 Mode timer (Weekly/Program/Sleep)

Weekly timer can be easily set by wireless remote controller. ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week. For other modes, program timer and sleep timer can be also selected by one push.



Low ambient operation



Model: ASYG09LTCA / ASYG12LTCA



Wireless R.C.



For ASYG09LTCA



For ASYG12LTCA

Specifications

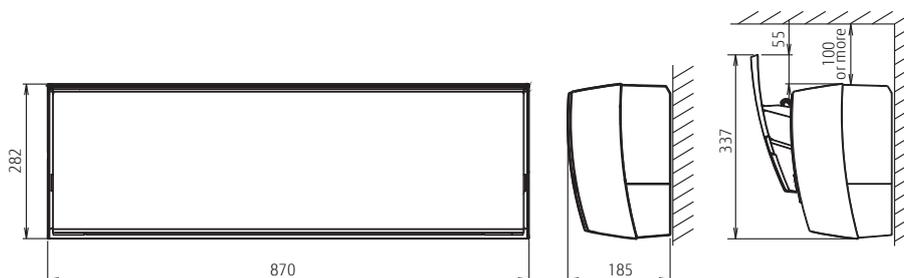
Model No.	Indoor unit		ASYG09LTCA		ASYG12LT CA	
	Outdoor unit		AOYG09LTC		AOYG12LTC	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.5 (0.9-3.5)		3.5 (1.1-4.0)	
	Heating		3.2 (0.9-5.4)		4.0 (0.9-6.5)	
Input Power	Cooling/Heating		0.505/0.660		0.850/0.910	
EER	Cooling		4.95		4.12	
COP	Heating		4.85		4.40	
Pdesign	Cooling/Heating(-10°C)		2.5/3.0		3.5/4.0	
SEER	Cooling		8.50		8.50	
SCOP	Heating (Average)		4.60		4.60	
Energy Efficiency Class	Cooling		A+++		A+++	
	Heating (Average)		A++		A++	
Max. Operating Current	Cooling/Heating		6.5/9.0		9.0/10.5	
Annual Energy Consumption	Cooling		103		144	
	Heating		912		1217	
Moisture Removal			1.3		1.8	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	42/36/32/21		43/37/32/21	
	Indoor (Heating)	H/M/L/Q	42/37/32/21		43/38/32/21	
Sound Power Level	Outdoor(Cooling/Heating)	High	48/50		48/49	
	Indoor(Cooling/Heating)	High	59/61		60/62	
Airflow Rate	Outdoor(Cooling/Heating)	High	63/65		64/65	
	Indoor / Outdoor	High	800/1,700		850/2,050	
Net Dimensions H x W x D	Indoor		282×870×185		282×870×185	
	Outdoor		540×790×290		620×790×290	
Weight	Indoor		9.5 (21)		9.5 (21)	
	Outdoor		33 (73)		40 (88)	
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52		6.35/9.52	
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7		13.8/15.8 to 16.7	
Max Pipe Length (Pre-Charge)			20 (15)		20 (15)	
Max Height Difference			15		15	
Operation Range	Cooling		-10 to 43		-10 to 43	
	Heating		-20 to 24		-20 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)		R410A (2,088)	
	Charge		1,050		1,200	

Optional parts

- Wired Remote Controller: UTY-RNNYM / UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Communication kit: UTY-TWBXF

Dimensions

(Unit : mm)



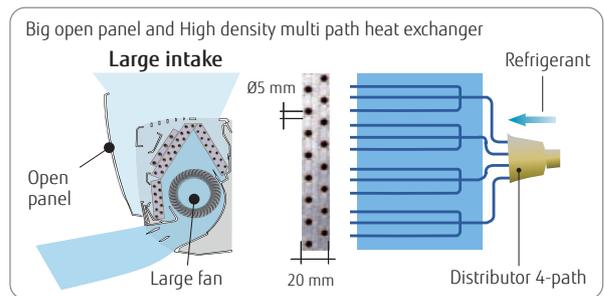
Wall Mounted Designer Range High COP



Features

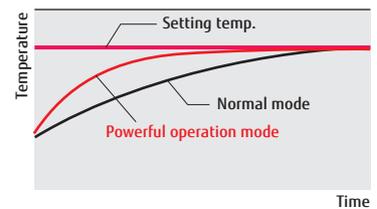
Thin & Slim design

Thin and slim design is realized by $\varnothing 5$ -mm heat exchanger and high efficiency wind blower.



Powerful operation

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



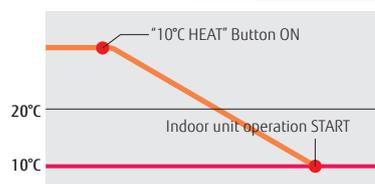
3 Mode timer (Weekly/Program/Sleep)

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.

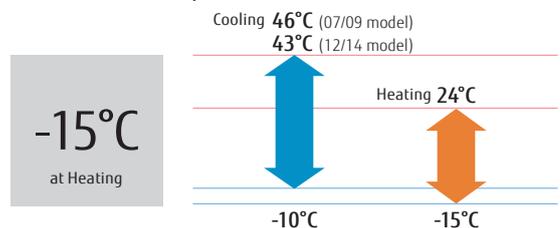


10°C HEAT Operation

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. *Only available with Wireless RC.



Low ambient operation



Model: ASYG07LUCA / ASYG09LUCA / ASYG12LUCA / ASYG14LUCA



Wireless R.C.



For ASYG07/09LUCA



For ASYG12/14LUCA

Specifications

Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
	Outdoor unit		AOYG07LUCA	AOYG09LUCB	AOYG12LUC	AOYG14LUC
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating		3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)
Input Power	Cooling/Heating	kW	0.460/0.660	0.555/0.680	0.905/0.930	1.235/1.380
EER	Cooling	W/W	4.35	4.50	3.87	3.40
COP	Heating		4.55	4.71	4.30	3.91
Pdesign	Cooling/Heating(-10°C)	kW	2.0/2.6	2.5/2.8	3.5/3.9	4.2/4.8
SEER	Cooling	W/W	7.20	7.10	7.05	6.78
SCOP	Heating (Average)		4.10	4.10	4.00	4.00
Energy Efficiency Class	Cooling	A++		A++	A++	A++
	Heating (Average)	A+		A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5
Annual Energy Consumption	Cooling	kWh/a	97	123	174	217
	Heating		887	956	1363	1677
Moisture Removal		l/h	1.0	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
	Indoor (Heating)	H/M/L/Q	38/35/31/21	42/37/32/21	43/38/32/21	45/40/34/27
	Outdoor(Cooling/Heating)	High	46/46	48/48	50/50	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	57/59	59/61	60/62	60/64
	Outdoor(Cooling/Heating)	High	58/58	60/60	65/65	65/65
Airflow Rate	Indoor / Outdoor	High	m ³ /h 680/1,720	800/1,720	850/1,940	900/1,940
Net Dimensions H x W x D	Indoor	mm	282×870×185	282×870×185	282×870×185	282×870×185
		kg(lbs)	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
Weight	Outdoor	mm	540×660×290	540×660×290	540×790×290	540×790×290
		kg(lbs)	23 (51)	25 (55)	33 (73)	34 (75)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			20 (15)	20 (15)	20 (15)	20 (15)
Max Height Difference			15	15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 43	-10 to 43
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)	R410A (2,088)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	700	850	1,050	1,050

Optional parts

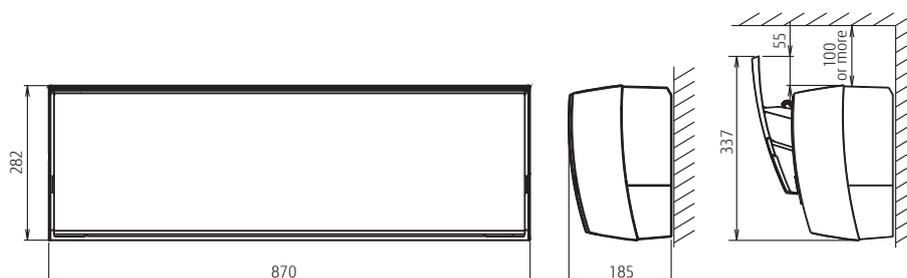
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Communication kit: UTY-TWBXF

Dimensions

(Unit : mm)

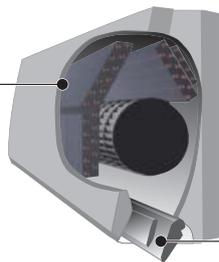
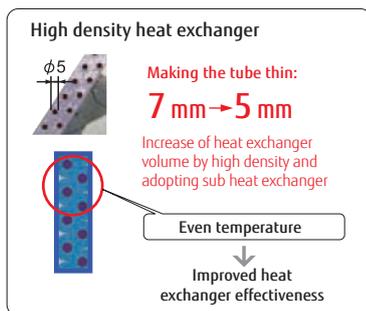


Wall Mounted Standard Range High Efficiency & Comfort



Features

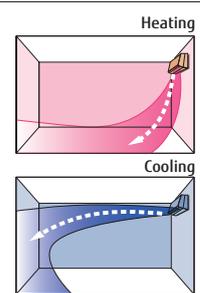
High efficient compact design



More comfort airflow

Power diffuser

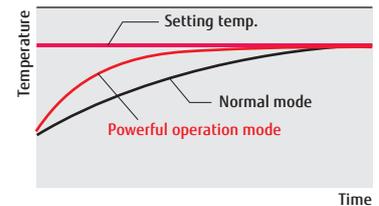
Vertical airflow provides powerful floor level heating.



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

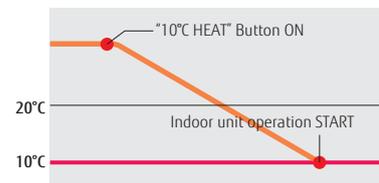
Powerful operation

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



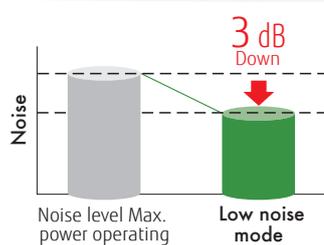
10°C HEAT Operation

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

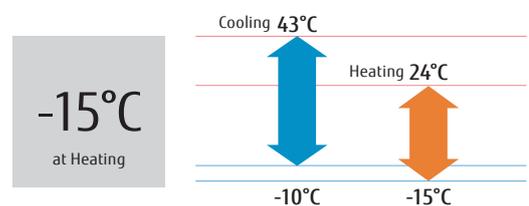


Low noise mode for outdoor unit

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



Low ambient operation



Model: ASYG07LMCA / ASYG09LMCA / ASYG12LMCA / ASYG14LMCA



Wireless R.C.



For ASYG07/09/12LMCA



For ASYG14LMCA

Specifications

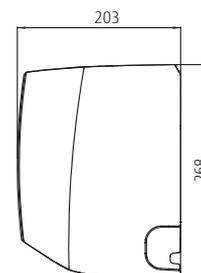
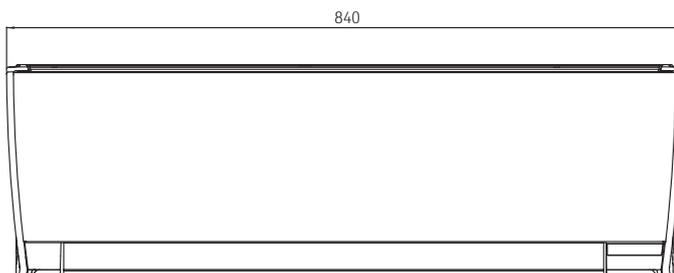
Model No.	Indoor unit		ASYG07LMCA	ASYG09LMCA	ASYG12LMCA	ASYG14LMCA	
	Outdoor unit		AOYG07LMCA	AOYG09LMCA	AOYG12LMCA	AOYG14LMCA	
Power Source			Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.4 (0.9-3.9)	4.0 (0.9-4.4)	
	Heating		3.0 (0.5-3.4)	3.2 (0.5-4.0)	4.0 (0.9-5.3)	5.0 (0.9-6.0)	
Input Power	Cooling/Heating	kW	0.465/0.685	0.65/0.73	0.97/1.02	1.135/1.365	
EER	Cooling	W/W	4.30	3.85	3.50	3.52	
COP	Heating		4.38	4.38	3.92	3.66	
Pdesign	Cooling/Heating(-10°C)	kW	2.0/2.3	2.5/2.4	3.4/3.5	4.0/3.9	
SEER	Cooling	W/W	6.80	7.00	7.00	6.90	
SCOP	Heating (Average)		4.10	4.10	4.00	4.00	
Energy Efficiency Class	Cooling		A++	A++	A++	A++	
	Heating (Average)		A+	A+	A+	A+	
Max. Operating Current	Cooling/Heating	A	6.0/7.5	6.0/7.5	6.5/9.0	9.0/10.5	
Annual Energy Consumption	Cooling	kWh/a	103	125	170	203	
	Heating		786	820	1225	1365	
Moisture Removal		l/h	1.0	1.3	1.8	2.1	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/40/32/21	43/40/32/21	43/40/32/21	44/40/33/25	
	Indoor (Heating)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22	44/40/35/27	
	Outdoor(Cooling/Heating)	High	45/45	45/45	50/50	50/50	
Sound Power Level	Indoor(Cooling/Heating)	High	59/59	59/59	59/59	60/60	
	Outdoor(Cooling/Heating)	High	58/56	58/56	61/61	65/65	
Airflow Rate	Indoor / Outdoor	High	m³/h	750/1670	750/1670	750/1830	750/1800
Net Dimensions H x W x D Weight	Indoor	mm	268×840×203	268×840×203	268×840×203	268×840×203	
		kg(lbs)	8.5 (19)	8.5 (19)	8.5 (19)	8.5 (19)	
	Outdoor	mm	535×663×293	535×663×293	535×663×293	540×790×290	
		kg(lbs)	21 (46)	21 (46)	26 (57)	34 (75)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	
Drain hose Diameter (I.D./O.D.)		mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7	
Max Pipe Length (Pre-Charge)		m	20 (15)	20 (15)	20 (15)	20 (15)	
Max Height Difference			15	15	15	15	
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43	-10 to 43	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	g	700	700	850	1,050	

Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Communication kit: UTY-XCBX22

Dimensions

(Unit : mm)



NEW

Wall Mounted Standard Range New Design & Large Capacity



Features

Large Capacity & Powerful airflow

Achieved large capacity and powerful airflow by large heat exchanger, long cross-flow fan, high output DC fan motor and new airflow structure design.



Human sensor

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

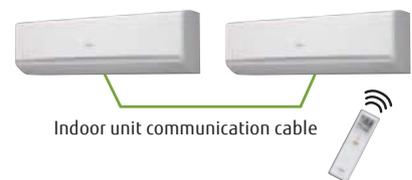


Server room function*

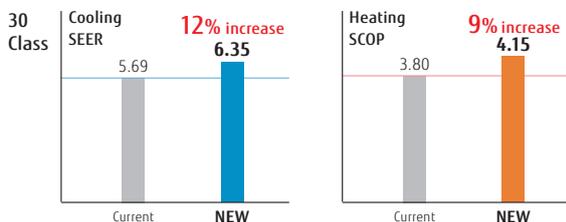
The following interlock operation is possible by connecting 2 indoor units with a cable. Cooling operation can be performed even in the low outdoor temperature and low humidity environment.

- **Alternative operation:** Two units operate alternately
- **Backup operation:** When 1 unit breaks down, the other unit starts operating automatically.
- **Supporting operation:** Both units operate simultaneously when the loaded capacity is not enough with one unit

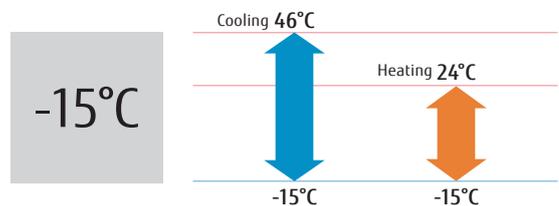
*2 x UTY-XWNX of optional parts are required.



High seasonal energy efficiency



Low ambient operation



Model: ASYG30LMTA / ASYG36LMTA



Wireless R.C.



Specifications

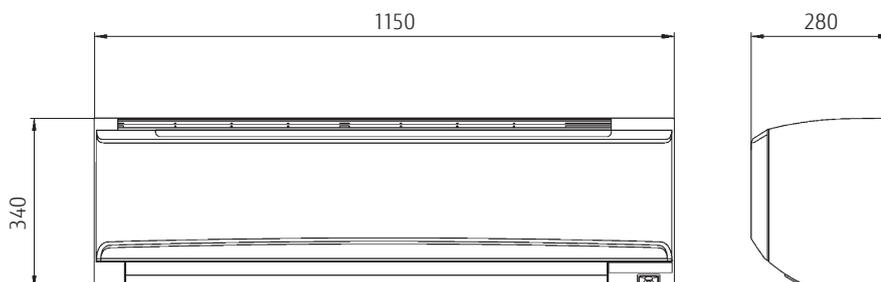
Model No.	Indoor unit		ASYG30LMTA		ASYG36LMTA	
	Outdoor unit		AOYG30LMTA		AOYG36LMTA	
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	8.0 (2.9-9.0)		9.4 (2.9-10.0)	
	Heating		8.8 (2.2-11.0)		10.1 (2.7-11.2)	
Input Power	Cooling/Heating	kW	2.33/2.41		3.16/2.96	
EER	Cooling	W/W	3.43		2.97	
COP	Heating		3.65		3.41	
Pdesign	Cooling/Heating(-10°C)	kW	8.0/6.5		9.4/7.1	
SEER	Cooling	W/W	6.35		5.73	
SCOP	Heating (Average)		4.15		4.19	
Energy Efficiency Class	Cooling	A++		A+		
	Heating (Average)	A+		A+		
Max. Operating Current	Cooling/Heating	A	14.5/14.5		19.0/19.0	
Annual Energy Consumption	Cooling	kWh/a	441		575	
	Heating		2,193		2,373	
Moisture Removal		l/h	2.7		3.7	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	50/44/38/31		50/44/38/31	
	Indoor (Heating)	H/M/L/Q	49/44/39/33		49/44/39/33	
	Outdoor(Cooling/Heating)	High	52/55		55/56	
Sound Power Level	Indoor(Cooling/Heating)	High	65/65		65/65	
	Outdoor(Cooling/Heating)	High	67/68		68/70	
Airflow Rate	Indoor / Outdoor	High	1380/3600		1380/3800	
Net Dimensions H x W x D Weight	Indoor	mm	340×1150×280		340×1150×280	
		kg(lbs)	18 (40)		18 (40)	
	Outdoor	mm	830×900×330		830×900×330	
		kg(lbs)	61 (134)		61 (134)	
Connection Pipe Diameter (Liquid / Gas)			9.52/15.88		9.52/15.88	
Drain hose Diameter (I.D./O.D.)			13.8 / 15.8 to 16.7		13.8 / 15.8 to 16.7	
Max Pipe Length (Pre-Charge)			50 (20)		50 (20)	
Max Height Difference			30		30	
Operation Range	Cooling	°CDB	-15 to 46		-15 to 46	
	Heating		-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)	R410A (2,088)		R410A (2,088)		
	Charge	g	2,100		2,100	

Optional parts

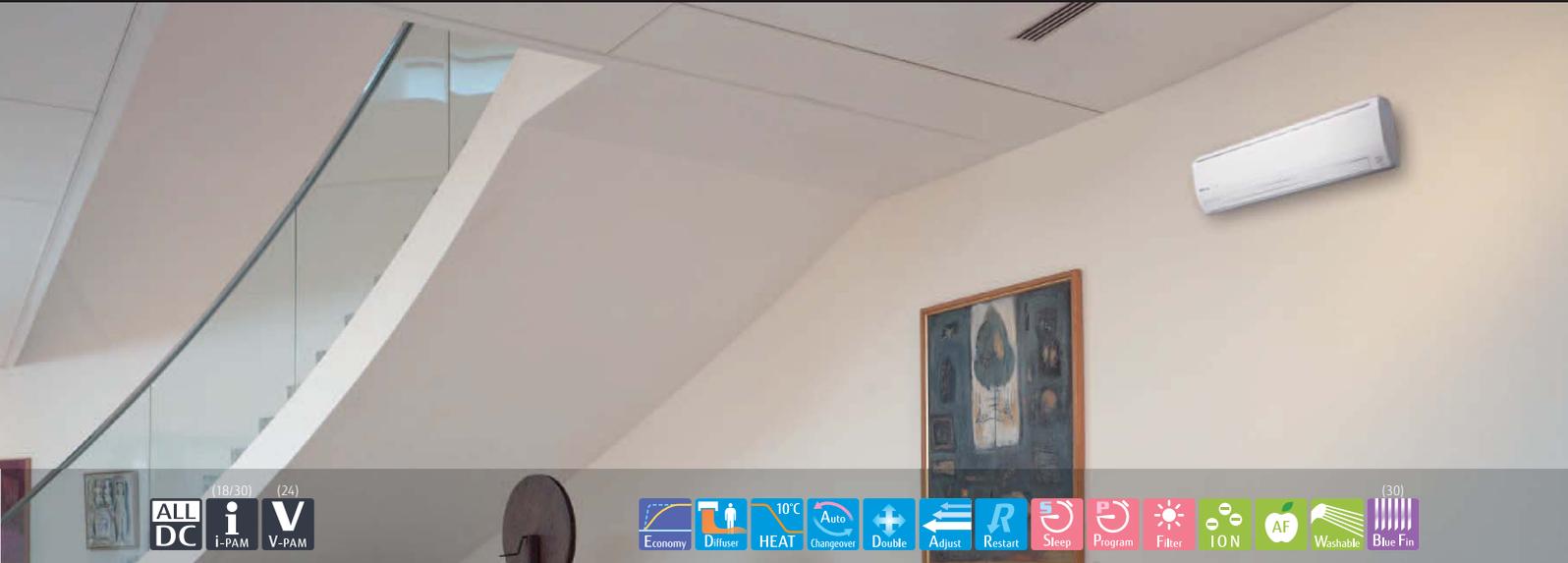
- Wired Remote Controller (Touch panel (two-wire)): UTY-RNRYZ1 + UTY-TWRX
- Wired Remote Controller (High grade (three-wire)): UTY-RVNYM + UTY-XWNX
- Wired Remote Controller (two-wire): UTY-RLRY + UTY-TWRX
- Wired Remote Controller(three-wire): UTY-RNNYM + UTY-XWNX
- Simple Remote Controller (three-wire): UTY-RSNYM + UTY-XWNX
- External input and output PCB (with box): UTY-XCSXZ1 + UTZ-GXXB
- External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)

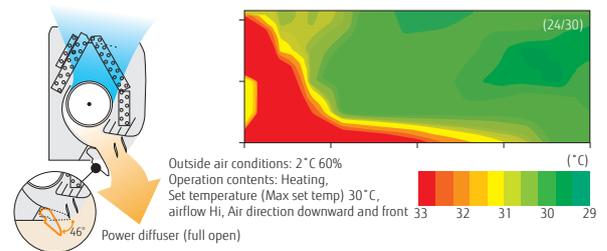


Wall Mounted Standard Range Comfort for Large Room

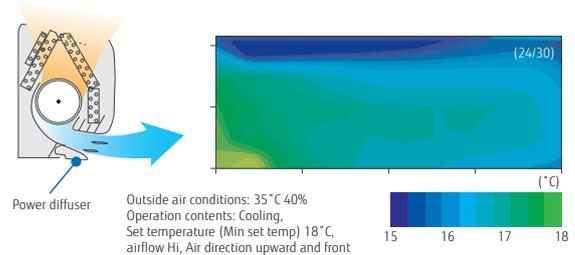


Features

“Vertical airflow” provides powerful floor level heating



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

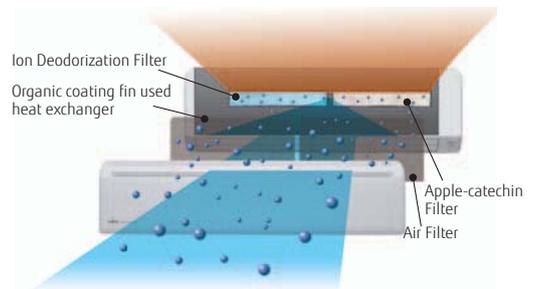


Air conditioner filter features

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.

Using different filters at both sides

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

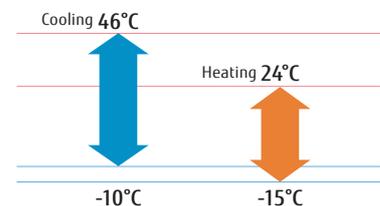


Flexible Installation

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

Low ambient operation

-15°C
at Heating



Model: ASYG18LFCA / ASYG24LFCC / ASYG30LFCA



Wireless R.C.



For ASYG18LFCA, ASYG24LFCC



For ASYG30LFCA

Specifications

Model No.	Indoor unit		ASYG18LFCA	ASYG24LFCC	ASYG30LFCA
	Outdoor unit		AOYG18LFC	AOYG24LFC	AOYG30LFT
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	5.2 (0.9-6.0)	7.1 (0.9-8.0)	8.0 (2.9-9.0)
	Heating		6.3 (0.9-9.1)	8.0 (0.9-10.6)	8.8 (2.2-11.0)
Input Power	Cooling/Heating	kW	1.52/1.71	2.20/2.21	2.49/2.44
EER	Cooling	W/W	3.42	3.23	3.21
COP	Heating		3.68	3.61	3.61
Pdesign	Cooling/Heating(-10°C)	kW	5.2/5.9	7.1/7.1	8.0/8.0
SEER	Cooling	W/W	6.94	6.11	5.69
SCOP	Heating (Average)		3.87	3.80	3.80
Energy Efficiency Class	Cooling	A++			A+
	Heating (Average)	A			A
Max. Operating Current	Cooling/Heating	A	9.0/12.5	13.5/18.5	17.0/19.0
Annual Energy Consumption	Cooling	kWh/a	262	406	492
	Heating		2130	2610	2941
Moisture Removal		l/h	2.6	2.7	3.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/37/33/26	49/42/37/32	48/42/37/33
	Indoor (Heating)	H/M/L/Q	42/37/33/25	48/42/37/32	49/42/37/33
	Outdoor(Cooling/Heating)	High	50/51	55/56	53/56
Sound Power Level	Indoor(Cooling/Heating)	High	58/58	64/64	64/64
	Outdoor(Cooling/Heating)	High	65/-	68/-	68/-
Airflow Rate	Indoor / Outdoor	High	m ³ /h 900/2150	1120/2460	1100/3600
Net Dimensions H x W x D Weight	Indoor	mm	320×998×238	320×998×238	320×998×238
		kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor	mm	620×790×290	620×790×290	830×900×330
		kg(lbs)	41 (90)	41 (90)	61 (135)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.7	6.35/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)		mm	12/16	12/16	12/16
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	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	1,200	1,800	2,100

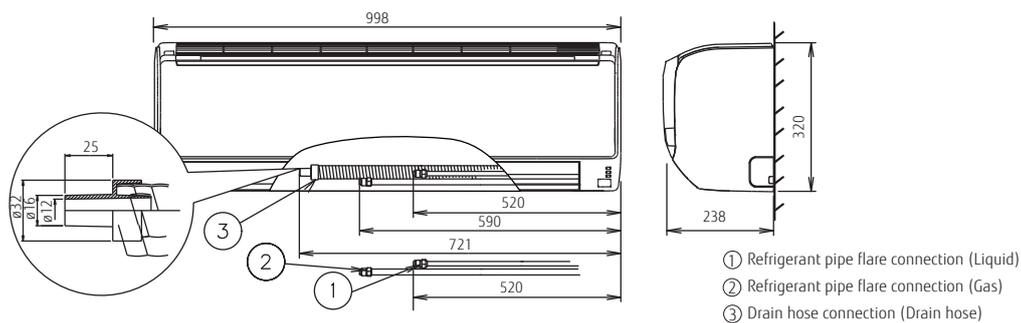
Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Dimensions

(Unit : mm)

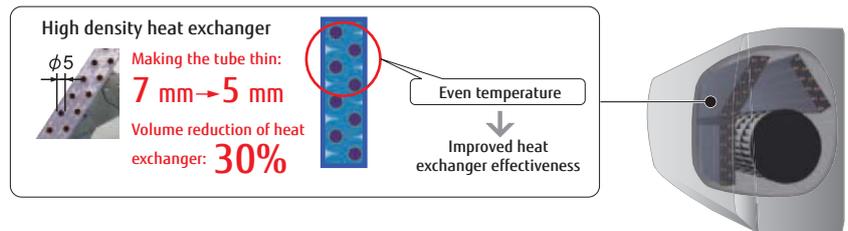


Wall Mounted ECO Range Compact & Comfort



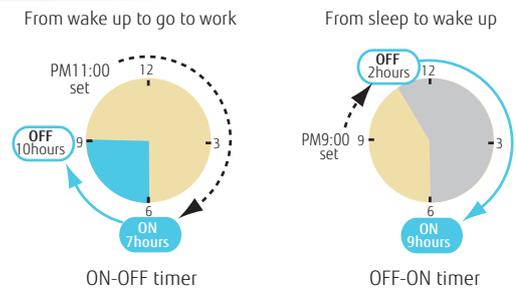
Features

High efficient compact design



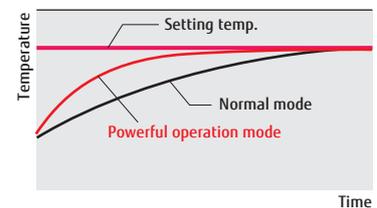
ON-OFF Programmable timer

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)



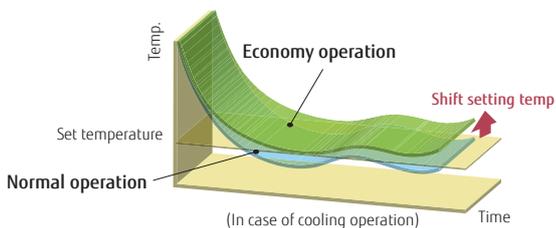
Powerful operation

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

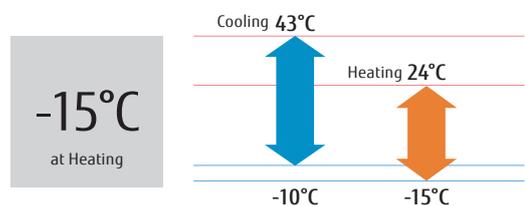


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation



Model: ASYG07LLCC / ASYG09LLCC / ASYG12LLCC



Wireless R.C.



Specifications

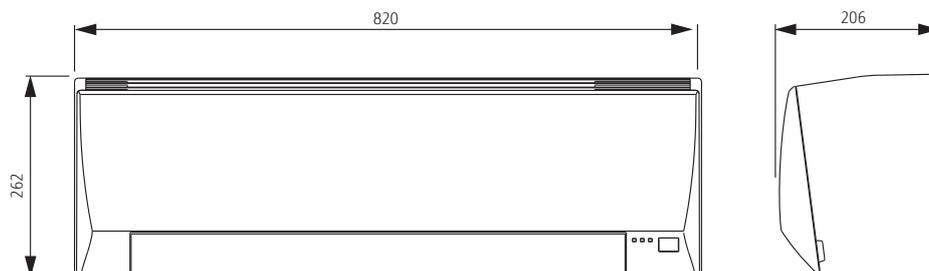
Model No.	Indoor unit		ASYG07LLCC	ASYG09LLCC	ASYG12LLCC	
	Outdoor unit		AOYG07LLCC	AOYG09LLCC	AOYG12LLCC	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.0 (0.9-2.8)	2.5 (0.9-3.0)	3.4 (0.9-3.8)	
	Heating		2.7 (0.9-3.6)	3.0 (0.9-3.8)	4.0 (0.9-5.0)	
Input Power	Cooling/Heating		0.470/0.620	0.730/0.740	1.080/1.130	
EER	Cooling	W/W	4.26	3.42	3.15	
COP	Heating		4.35	4.05	3.54	
Pdesign	Cooling/Heating(-10°C)		2.0/2.2	2.5/2.3	3.4/3.2	
SEER	Cooling	W/W	6.70	6.90	6.60	
SCOP	Heating (Average)		4.00	4.00	3.80	
Energy Efficiency Class	Cooling		A++	A++	A++	
	Heating (Average)		A+	A+	A	
Max. Operating Current	Cooling/Heating		6.0/7.5	6.0/7.5	6.5/9.0	
Annual Energy Consumption	Cooling		104	127	180	
	Heating		770	805	1,179	
Moisture Removal			1.0	1.3	1.8	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/38/33/22	43/38/33/22	
	Indoor (Heating)	H/M/L/Q		43/38/33/22	43/38/33/22	
	Outdoor(Cooling/Heating)	High		47/48	47/48	
Sound Power Level	Indoor(Cooling/Heating)	High	59/60	59/60	59/60	
	Outdoor(Cooling/Heating)	High	61/61	61/61	65/65	
Airflow Rate	Indoor / Outdoor	High	720/1,670	720/1,670	720/1,830	
			mm	262×820×206	262×820×206	262×820×206
Net Dimensions H x W x D	Indoor		kg(lbs)	7.0 (15)	7.0 (15)	
	Outdoor		mm	535×663×293	535×663×293	535×663×293
Weight			kg(lbs)	24 (53)	24 (53)	26 (57)
			mm	6.35/9.52	6.35/9.52	6.35/9.52
Connection Pipe Diameter (Liquid / Gas)			mm	13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Drain hose Diameter (I.D./O.D.)				20 (15)	20 (15)	20 (15)
Max Pipe Length (Pre-Charge)				15	15	15
Max Height Difference				-10 to 43	-10 to 43	-10 to 43
				-15 to 24	-15 to 24	-15 to 24
Operation Range	Cooling		°CDB	-10 to 43	-10 to 43	
	Heating			-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		g	650	650	850

Optional parts

Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



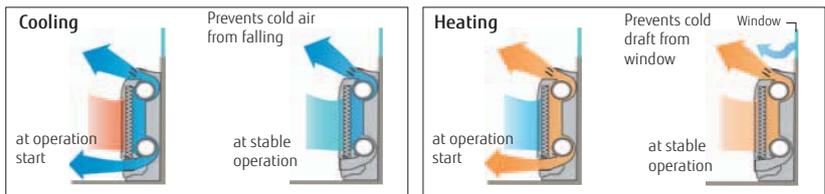
Floor Compact & Comfort



Features

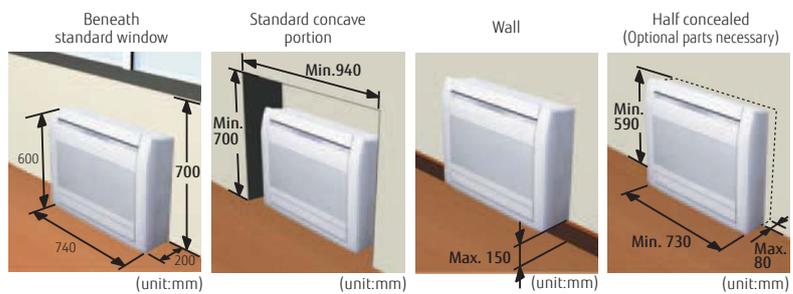
2-Fan & Wide airflow

Individual vertical airflow by 2-fan can control the whole room comfortably.



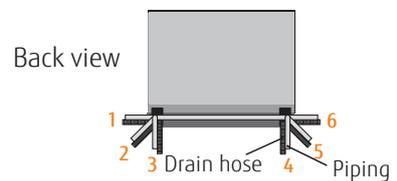
Flexible & easy installation

Due to compact and whole surface suction method model, floor, concealed, half concealed, or wall mounted installation can be available to match the room layout.



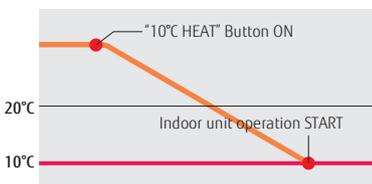
Flexible piping connection 6 direction of drain & piping

Drain hose and piping can be drawn flexibly in the right, left, side, and down directions

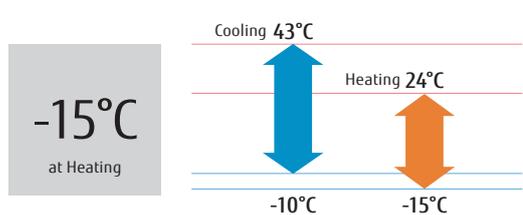


10°C HEAT Operation

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 ambient operation



Model: AGYG09LVCA / AGYG12LVCA / AGYG14LVCA



Wireless R.C.



For AGYG09/12LVCA



For AGYG14LVCA

Specifications

Model No.	Indoor unit		AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
	Outdoor unit		AOYG09LVCA	AOYG12LVCA	AOYG14LVCA
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	2.6 (0.9-3.5)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating		3.5 (0.9-5.5)	4.5 (0.9-6.6)	5.2 (0.9-8.0)
Input Power	Cooling/Heating	kW	0.53/0.79	0.94/1.19	1.14/1.44
EER	Cooling	W/W	4.91	3.72	3.68
COP	Heating		4.43	3.78	3.61
Pdesign	Cooling/Heating(-10°C)	kW	2.6/2.9	3.5/3.8	4.2/4.7
SEER	Cooling	W/W	7.00	6.50	6.40
SCOP	Heating (Average)		4.20	4.00	4.00
Energy Efficiency Class	Cooling	A++		A++	A++
	Heating (Average)	A+		A+	A+
Max. Operating Current	Cooling/Heating	A	7.0/10.0	7.0/10.0	9.0/13.5
Annual Energy Consumption	Cooling	kWh/a	130	188	230
	Heating		967	1330	1645
Moisture Removal		l/h	1.3	1.8	2.1
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/35/29/22	40/35/29/22	44/38/31/22
	Indoor (Heating)	H/M/L/Q	40/35/29/22	40/35/29/22	43/37/29/22
	Outdoor (Cooling/Heating)	High	47/48	48/49	50/50
Sound Power Level	Indoor (Cooling/Heating)	High	55/56	55/56	58/58
	Outdoor (Cooling/Heating)	High	64/65	64/65	65/66
Airflow Rate	Indoor / Outdoor	High	m³/h	570/1680	570/1680
Net Dimensions H x W x D Weight	Indoor	mm	600×740×200	600×740×200	600×740×200
		kg (lbs)	14 (31)	14 (31)	14 (31)
	Outdoor	mm	540×790×290	540×790×290	578×790×300
		kg (lbs)	36 (79)	36 (79)	40 (88)
Connection Pipe Diameter (Liquid / Gas)			6.35/9.52	6.35/9.52	6.35/12.7
Drain hose Diameter (I.D./O.D.)			13.8/15.8 to 16.7	13.8/15.8 to 16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			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	Type (Global Warming Potential)	R410A (2,088)		R410A (2,088)	R410A (2,088)
	Charge	g	1,050	1,050	1,150

Optional parts

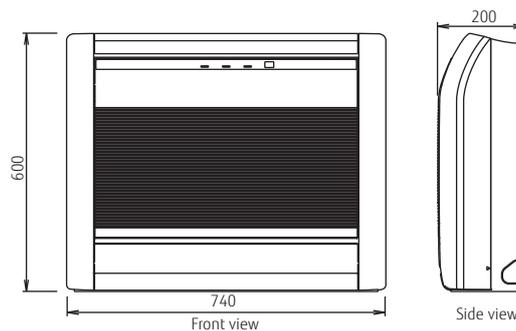
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Half Concealed Kit: UTR-STA

Dimensions

(Unit : mm)



Floor/Ceiling Comfort & Dual Design



Features

Flexible installation

Example for floor installation

Floor console



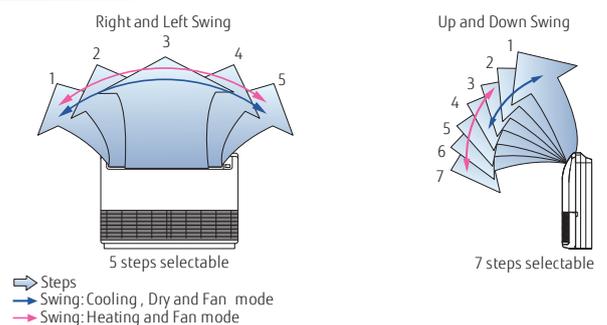
Example for ceiling installation

Under ceiling



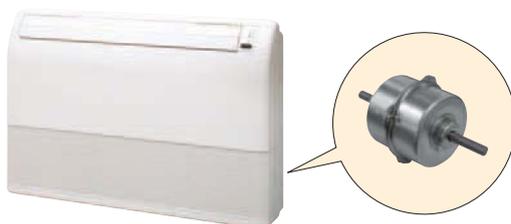
Double auto swing

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

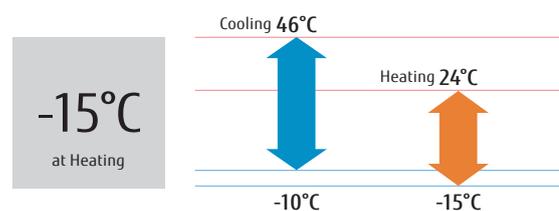


High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation

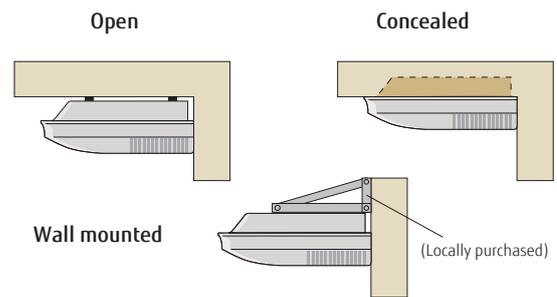




Features

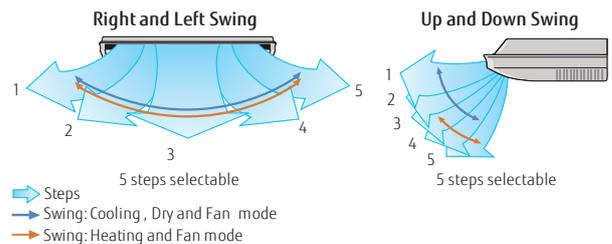
Flexible installation

Various installations are possible to match the room layout.

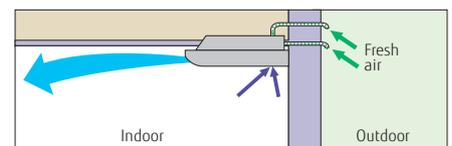


Multi auto swing

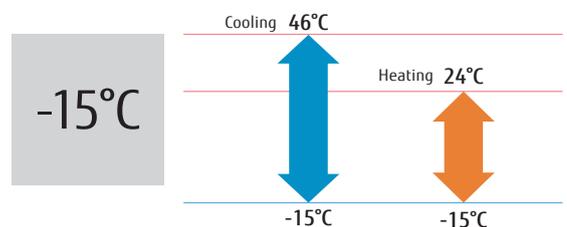
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Low ambient operation



**Model : ABYG30LRTE / ABYG36LRTE / ABYG45LRTA /
ABYG36LRTA [3phase] / ABYG45LRTA [3phase] / ABYG54LRTA [3phase]**



Wireless R.C.



For ABYG30/36LRTE



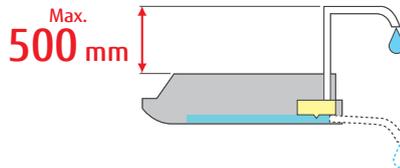
For ABYG36/45/54LRTA

Specifications

Model No.	Indoor unit		ABYG30LRTE	ABYG36LRTE	ABYG45LRTA	ABYG36LRTA	ABYG45LRTA	ABYG54LRTA
	Outdoor unit		AOYG30LETL	AOYG36LETL	AOYG45LETL	AOYG36LATT	AOYG45LATT	AOYG54LATT
Power Source			Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz		
Capacity	Cooling	kW	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating		10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating	kW	2.65/2.77	2.93/3.02	3.77/3.68	2.84/2.87	3.89/3.88	4.65/4.67
EER	Cooling	W/W	3.21	3.21	3.21	3.52	3.21	3.01
COP	Heating		3.61	3.71	3.61	3.90	3.61	3.43
Pdesign	Cooling/Heating(-10°C)	kW	8.5/8.0	9.4/8.7	-	10.0/10.0	-	-
SEER	Cooling	W/W	6.10	6.00	-	6.10	-	-
SCOP	Heating		4.20	4.10	-	4.10	-	-
Energy Efficiency Class	Cooling		A++	A+	-	A++	-	-
	Heating		A+	A+	-	A+	-	-
Max. Operating Current	Cooling/Heating	A	17.0/17.0	18.5/20.0	20.5/20.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling	kWh/a	487	548	-	573	-	-
	Heating		2662	2965	-	3414	-	-
Moisture Removal		l/h	2.5	3.0	4.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	45/43/37/32	47/43/37/32	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
	Indoor (Heating)	H/M/L/Q	45/43/37/32	47/43/37/32	49/45/39/34	47/43/37/32	49/45/39/34	51/48/42/38
Sound Power Level	Outdoor(Cooling/Heating)	High	53/55	54/55	55/55	51/53	54/54	55/56
	Indoor(Cooling/Heating)	High	57/60	60/61	-	61/61	-	-
Airflow Rate	Indoor / Outdoor	High	1660/3600	1900/3800	2100/6200	1900/6200	2100/6900	2300/6900
	Net Dimensions H x W x D	Indoor	mm 240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700
Weight	Indoor	kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	48 (106)
	Outdoor	kg(lbs)	830×900×330 61 (134)	830×900×330 61 (134)	1290×900×330 86 (189)	1290×900×330 104 (229)	1290×900×330 104 (229)	1290×900×330 104 (229)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain port 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
Max Pipe Length (Pre-Charge)		m	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference			30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	2,100	2,100	3,350	3,450	3,450	3,450

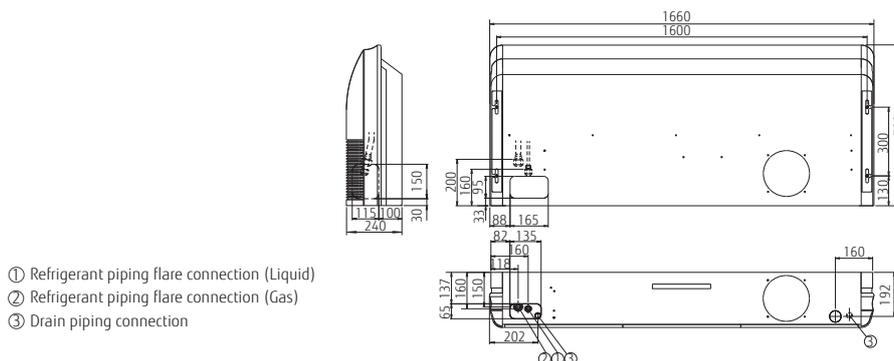
Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Drain Pump Unit: UTR-DPB24T
- Flange: UTD-RF204



Dimensions

(Unit : mm)



Compact Cassette 4-way Flow Compact & Comfort



Features

2-stage turbo fan

High efficiency design by 2 stage structure

Wind velocity

Previous turbo fan

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

2-stage turbo fan

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

Heat exchange efficiency: **20%UP**

Quiet quality

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

Designed by CFD-analysis (fluid) simulations

Laminar wing

Airflow runs through smoothly along the laminar wing

No airflow separation

Quiet

Quiet

Adoption of laminar wing

Spin direction ← Airflow direction →

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 airflow distribution.

Bottom view

Round louvre

Much less temperature irregularity by spreading airflow widely

Low ambient operation

-15°C
at Heating

Cooling **46°C**

Heating **24°C**

-10°C **-15°C**

Model : AUYG12LVLB / AUYG14LVLB / AUYG18LVLB / AUYG24LVLA



Wireless R.C.



For AUYG12/14/18LVLB



For AUYG24LVLA

Specifications

Model No.	Indoor unit		AUYG12LVLB	AUYG14LVLB	AUYG18LVLB	AUYG24LVLA
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LALL	AOYG24LALA
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)	6.8 (0.9-8.0)
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)	8.0 (0.9-9.1)
Input Power	Cooling/Heating		1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
	EER	Cooling	3.33	3.21	3.21	3.08
COP	Cooling		3.69	3.71	3.61	3.54
	Heating					
Pdesign	Cooling/Heating(-10°C)		3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
	SEER	Cooling	6.20	6.40	6.20	5.60
SCOP	Heating (Average)		4.10	4.40	4.20	3.90
	Energy Efficiency Class	Cooling	A++	A++	A++	A+
Heating (Average)		A+	A+	A+	A	
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	9.0/12.5	12.0/13.5
Annual Energy Consumption	Cooling	kWh/a	198	235	293	425
	Heating	kWh/a	1431	1432	1731	2151
Moisture Removal		l/h	1.2	1.5	2.2	2.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	37/34/30/27	38/34/30/27	38/34/30/26	49/44/36/30
	Indoor (Heating)	H/M/L/Q	37/34/31/29	43/38/34/30	43/38/34/30	49/45/40/33
	Outdoor (Cooling/Heating)	High	47/48	49/49	50/50	52/53
Sound Power Level	Indoor (Cooling/Heating)	High	49/49	50/55	50/55	59/61
	Outdoor (Cooling/Heating)	High	61/63	62/64	62/65	67/70
Airflow Rate	Indoor / Outdoor	High	m ³ /h 600/1780	680/1910	680/2000	930/2470
Net Dimensions H x W x D	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570
		kg (lbs)	15 (33)	15 (33)	15 (33)	16 (35)
Weight	Outdoor	mm	578×790×300	578×790×300	578×790×300	578×790×315
		kg (lbs)	40 (88)	40 (88)	40 (88)	44 (97)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)	30 (15)
Max Height Difference			15	15	15	20
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	1,150	1,250	1,250	1,700
Cassette Grille	Model name		UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W	UTG-UFYD-W
	Dimensions (H x W x D)	mm	49×700×700	49×700×700	49×700×700	49×700×700
	Weight	kg (lbs)	2.6 (6)	2.6 (6)	2.6 (6)	2.6 (6)

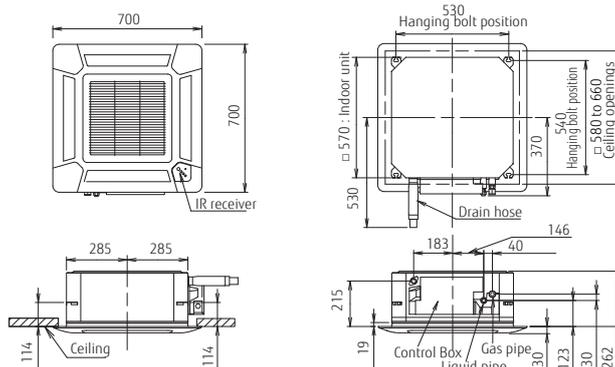
Optional parts

- Air Outlet Shutter Plate: UTR-YDZB
- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Insulation Kit For High Humidity: UTZ-KXGC
- Fresh Air Intake Kit: UTZ-VXAA



Dimensions

(Unit : mm)



Cassette 4-way Flow Comfort for large room

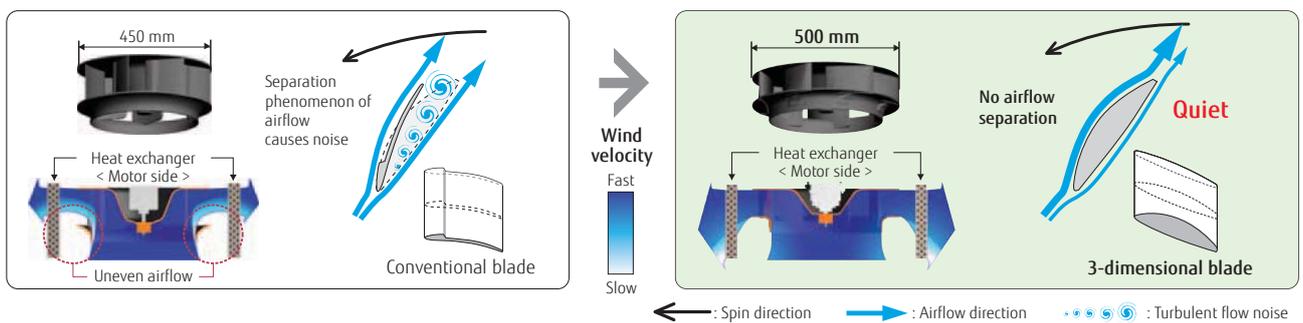


Features

High efficiency turbo fan with 3-dimensional blade

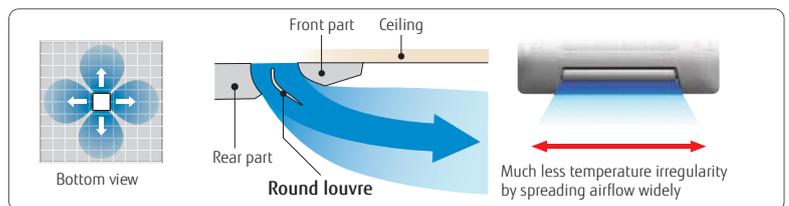
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

New turbo fan: High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.



Improvement of the airflow distribution

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

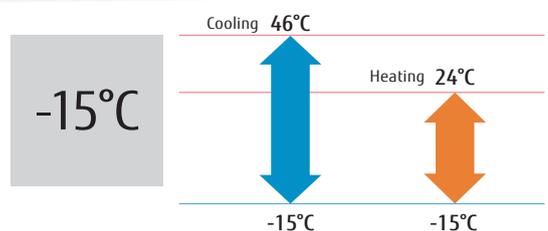


Adjustment of hanger position is possible after installation

Hanging bracket can be checked directly by removing the corner cover. Hanging position can be arranged easily.



Low ambient operation



Model : AUYG30LRL / AUYG36LRL / AUYG45LRL / AUYG54LRL / AUYG36LRLA [3phase] / AUYG45LRLA [3phase] / AUYG54LRLA [3phase]



Wired R.C.



For AUYG30/36LRL



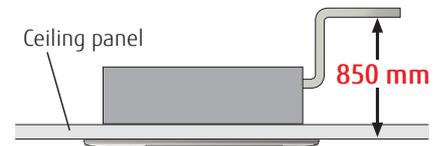
For AUYG36/45/54LRLA

Specifications

Model No.	Indoor unit		AUYG30LRL	AUYG36LRL	AUYG45LRLA	AUYG54LRLA	AUYG36LRLA	AUYG45LRLA	AUYG54LRLA
	Outdoor unit		AOYG30LETL	AOYG36LETL	AOYG45LETL	AOYG54LETL	AOYG36LATT	AOYG45LATT	AOYG54LATT
Power Source	Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz				
Capacity	Cooling	kW	8.5 (2.8-10.0)	10.0 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	10.0 (4.7-11.4)	12.5 (5.0-14.0)	14.0 (5.4-16.0)
	Heating	kW	10.0 (2.7-11.2)	11.2 (2.7-12.7)	14.0 (4.2-16.2)	16.0 (4.7-16.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)
Input Power	Cooling/Heating	kW	2.65/2.77	3.12/3.02	3.88/3.77	4.42/4.69	2.44/2.56	3.54/3.58	4.36/4.43
EER	Cooling	W/W	3.21	3.21	3.22	3.01	4.10	3.53	3.21
	Heating	W/W	3.61	3.71	3.71	3.41	4.38	3.91	3.61
Pdesign	Cooling/Heating(-10°C)	kW	8.5/8.0	10.0/8.7	-	-	10.0/10.0	-	-
SEER	Cooling	W/W	6.50	6.30	-	-	6.50	-	-
SCOP	Heating (Average)	W/W	4.30	4.20	-	-	4.30	-	-
Energy Efficiency Class	Cooling		A++	A++	-	-	A++	-	-
	Heating (Average)		A+	A+	-	-	A+	-	-
Max. Operating Current	Cooling/Heating	A	17.0/17.0	18.5/20.0	20.5/20.5	21.5/21.5	7.9/7.9	8.9/8.9	9.9/9.9
Annual Energy Consumption	Cooling	kWh/a	458	555	-	-	538	-	-
	Heating	kWh/a	2604	2897	-	-	3253	-	-
Moisture Removal		l/h	2.5	3.5	4.5	5.0	3.0	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	40/38/36/32	43/38/36/32	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
	Indoor (Heating)	H/M/L/Q	40/38/36/32	43/38/36/32	46/42/40/36	47/43/41/37	44/39/36/33	46/42/40/36	47/43/41/37
Sound Power Level	Outdoor (Cooling/Heating)	High	53/55	54/55	55/55	55/57	51/53	54/54	55/56
	Indoor (Cooling/Heating)	High	54/54	57/57	-	-	58/58	-	-
Airflow Rate	Indoor / Outdoor	High	68/69	69/70	-	-	67/69	-	-
	Indoor / Outdoor	High	m ³ /h	1600/3600	1800/3800	1900/6750	2000/6750	1800/6200	1900/6750
Net Dimensions H x W x D	Indoor	mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
	Outdoor	mm	830x900x330	830x900x330	1290x900x330	1290x900x330	1290x900x330	1290x900x330	1290x900x330
Weight	Indoor	kg (lbs)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)
	Outdoor	kg (lbs)	61 (135)	61 (135)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)		mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)		mm	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0	25.0/32.0
Max Pipe Length (Pre-Charge)		m	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference		m	30	30	30	30	30	30	30
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	2,100	2,100	3,350	3,350	3,450	3,450	3,450
Cassette Grille	Model name		UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W
	Dimensions (H x W x D)	mm	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950
	Weight	kg (lbs)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)

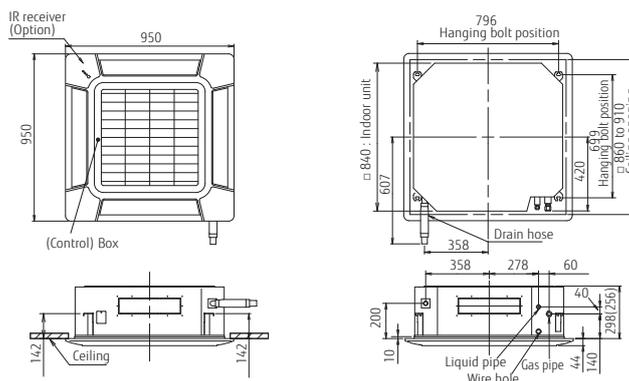
Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- IR Receiver Kit: UTY-LRHYA2
- Wide Panel: UTG-AKXA-W
- Panel Spacer: UTG-BKXA-W
- Air Outlet Shutter Plate: UTR-YDZK
- Insulation Kit For High Humidity: UTZ-KXRA
- Fresh Air Intake Kit: UTZ-VXRA



Dimensions

(Unit : mm)



NEW

Cassette Circular Flow Comfort for large room



(30/36/45/54)

Features

Unique Circular Flow design

New Cassette type realizes Circular Flow to blow large airflow in 360° direction by mounting high performance DC fan motor, new turbo fan and unique seamless airflow louver design.

ø7mm high density heat exchanger

New DC fan motor

High efficient turbo fan

Seamless airflow louver



Uniform temperature air conditioning

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



Individual louver control

Each louver can be set individually by Touch Panel Wired Remote Controller to enjoy the comfort of different directional airflows according to various room layouts.

*Touch Panel Wired RC (UTY-RNRYZ1) only



Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.



Efficient air conditioning based on the room layout

Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.



Human sensor (Option)

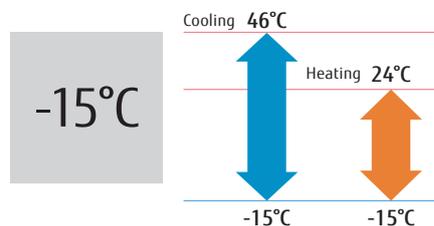
2 modes can be selected.

Auto saving Power is saved while people are away.

Auto OFF Operation stops after people go out.

*Touch Panel Wired RC (UTY-RNRYZ1) only

Low ambient operation



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



Touch Panel Wired R.C.



For AUXG18/24LRLB



For AUXG30/36LRLB



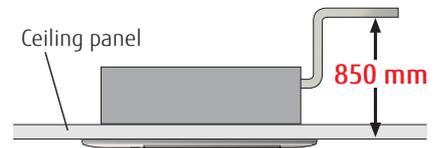
For AUXG45/54LRLB

Specifications

Model No.	Indoor unit		AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB	
	Outdoor unit		AOYG18LBCA	AOYG24LBCA	AOYG30LBTA	AOYG36LBTA	AOYG45LBTA	AOYG54LBTA	
Power Source			Single-phase, ~230V, 50Hz						
Capacity	Cooling	kW	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.5 (2.8-11.2)	12.5 (4.0-14.0)	13.3 (4.5-14.5)	
	Heating		6.0 (0.9-8.0)	7.8 (0.9-9.1)	10.0 (2.7-11.2)	10.8 (2.7-12.7)	14.0 (4.2-16.2)	15.8 (4.7-16.5)	
Input Power	Cooling/Heating	kW	1.42/1.50	2.16/2.18	2.56/2.77	2.96/2.91	3.85/3.73	4.38/4.58	
EER	Cooling	W/W	3.66	3.15	3.32	3.21	3.25	3.04	
COP	Heating		4.00	3.58	3.61	3.71	3.75	3.45	
Pdesign	Cooling/Heating(-10°C)	kW	5.2/4.3	6.8/6.0	8.5/8.0	9.5/8.7	-	-	
SEER	Cooling	W/W	7.05	6.60	6.70	6.40	-	-	
SCOP	Heating (Average)		4.40	4.20	4.30	4.30	-	-	
Energy Efficiency Class	Cooling		A++	A++	A++	A++	-	-	
	Heating (Average)		A+	A+	A+	A+	-	-	
Max. Operating Current	Cooling/Heating	A	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	20.5/20.5	21.5/21.5	
Annual Energy Consumption	Cooling	kWh/a	258	361	444	519	-	-	
	Heating		1367	1999	2604	2833	-	-	
Moisture Removal		l/h	2.2	2.7	2.5	3.3	4.5	5.0	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	
	Indoor (Heating)	H/M/L/Q	33/32/31/28	35/33/32/29	40/38/36/33	44/41/38/34	46/42/39/35	47/43/40/36	
Sound Power Level	Outdoor(Cooling/Heating)	High	51/50	55/56	53/55	54/55	55/55	55/57	
	Indoor(Cooling/Heating)	High	47/47	49/49	54/54	58/58	60/60	61/61	
Airflow Rate	Indoor / Outdoor	High	m ³ /h	1050/1900	1150/2460	1600/3600	1900/3800	2000/6750	2100/6750
	Net Dimensions	Indoor	mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840
Weight	Indoor	kg(lbs)	24 (53)	24 (53)	26 (57)	26 (57)	29 (64)	29 (64)	
	Outdoor	kg(lbs)	620×790×290 41 (90)	620×790×290 41 (90)	830×900×330 61 (134)	830×900×330 61 (134)	1290×900×330 86 (189)	1290×900×330 86 (189)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/12.7	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32	
Max Pipe Length (Pre-Charge)		m	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)	
Max Height Difference			20	20	30	30	30	30	
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	g	1,800	1,800	2,100	2,100	3,350	3,350	
Cassette Grille	Model name		UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	UTG-UKYA-W	
	Dimensions (H × W × D)	mm	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	53×950×950	
	Weight	kg(lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	

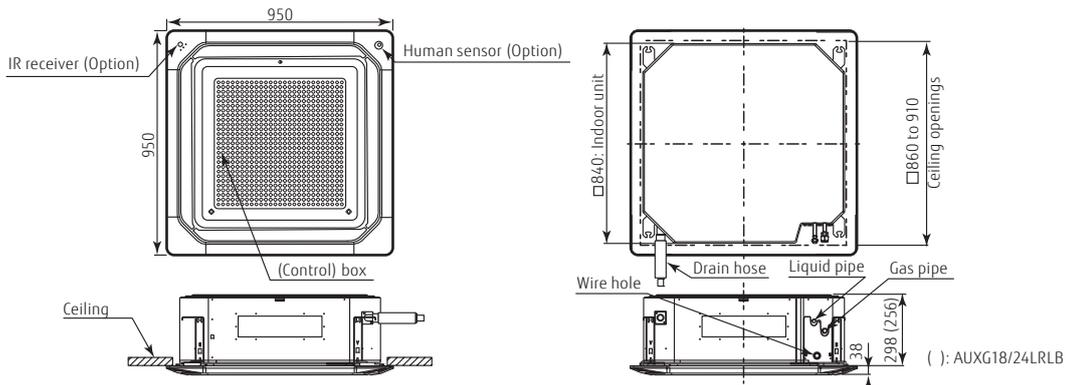
Optional parts

- Wired Remote Controller: UTY-RNRYZ1, UTY-RVNYM, UTY-RLRY, UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- IR Receiver Kit: UTY-LBTYC
- Human Sensor Kit: UTY-SHZXC
- Wide Panel: UTG-AKXA-W
- Panel Spacer: UTG-BKXA-W
- Air Outlet Shutter Plate: UTR-YDZK
- Insulation Kit For High Humidity: UTZ-KXRA
- Flesh Air Intake Kit: UTZ-VXRA
- External input and output PCB (with box): UTY-XCSX + UTZ-GXRA
- External connect kit: UTY-XWZXZG, UTY-XWZXZ3



Dimensions

(Unit : mm)

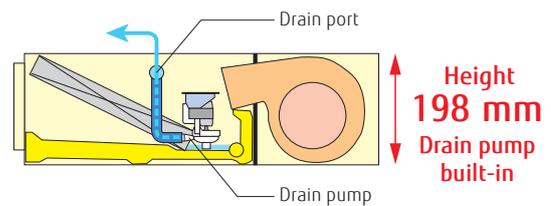




Features

Slim design

The slim design allows installations where ceilings are narrow. Drain hose as standard accessory



Flexible installation

2-type installation methods of ceiling concealed and floor concealed can be selected.

Ceiling concealed



Floor concealed



Selectable with a wide range of static pressure

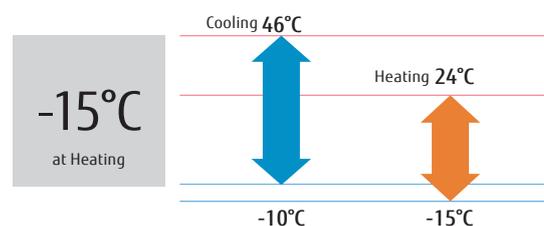
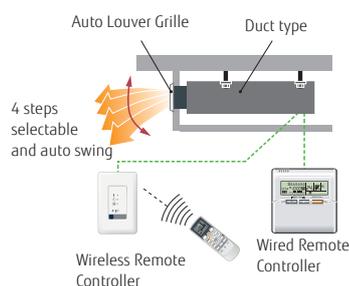
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa. The change of static pressure range is possible by remote controller.



Static pressure range
0 to 90 Pa

Auto Louver Grille Kit (Option)

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



Model : ARYG12LLTB / ARYG14LLTB / ARYG18LLTB



Wired R.C.



ARYG12/14LLTB



ARYG18LLTB

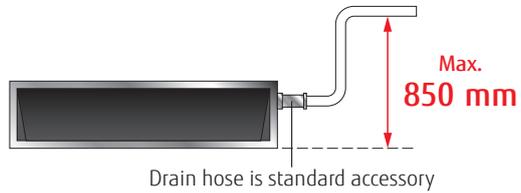


Specifications

Model No.	Indoor unit		ARYG12LLTB	ARYG14LLTB	ARYG18LLTB
	Outdoor unit		AOYG12LALL	AOYG14LALL	AOYG18LALL
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-5.9)
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-7.5)
Input Power	Cooling/Heating	kW	1.05/1.11	1.33/1.34	1.62/1.66
EER	Cooling		3.33	3.21	3.21
COP	Cooling	W/W	3.69	3.71	3.61
	Heating	W/W	3.5/4.2	4.3/4.5	5.2/5.2
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling		5.90	5.80	6.20
SCOP	Cooling	W/W	4.00	3.90	4.10
	Heating	W/W	4.00	3.90	4.10
Energy Efficiency Class	Cooling		A+	A+	A+
	Heating		A+	A	A+
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	9.0/12.5
Annual Energy Consumption	Cooling	kWh/a	207	259	293
	Heating	kWh/a	1467	1614	1774
Moisture Removal		l/h	1.3	1.5	2.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	29/28/26/25	32/30/28/26	32/30/29/27
	Indoor (Heating)	H/M/L/Q	29/28/26/24	32/30/28/25	32/30/29/27
	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50
Sound Power Level	Indoor(Cooling/Heating)	High	58/58	60/60	58/58
	Outdoor(Cooling/Heating)	High	61/63	62/64	62/65
Airflow Rate	Indoor / Outdoor	High	650/1780	800/1910	940/2000
Static pressure range (Standard)		Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
Net Dimensions H x W x D Weight	Indoor	mm	198×700×620	198×700×620	198×900×620
		kg(lbs)	19 (42)	19 (42)	23 (51)
	Outdoor	mm	578×790×300	578×790×300	578×790×300
		kg(lbs)	40 (88)	40 (88)	40 (88)
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70
Drain hose Diameter (I.D./O.D.)			25/32	25/32	25/32
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	25 (15)
Max Height Difference			15	15	15
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	1,150	1,250	1,250

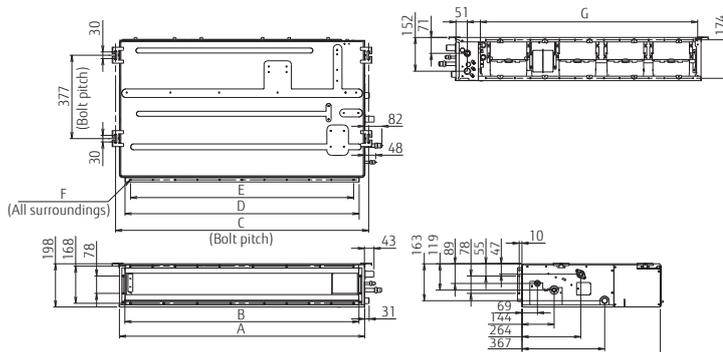
Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- IR Receiver Kit: UTY-LRHYM
- Remote Sensor Unit: UTY-XSZX
- Auto Louver Grille Kit: UTD-GXTA-W (For ARYG12 / 14LLTB)
UTD-GXTB-W (For ARYG18LLTB)



Dimensions

(Unit : mm)



	ARYG12 / 14LLTB	ARYG18LLTB
A	700	900
B	650	850
C	734	934
D	650	850
E	P100x6=600	P100x8=800
F	18xØ5	22xØ5
G	574	774

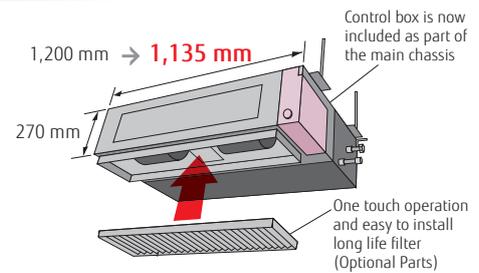
Medium Static Pressure Duct High Efficiency & Comfort



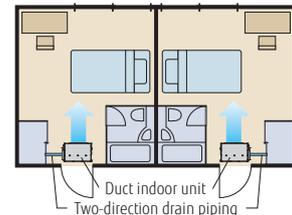
Features

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



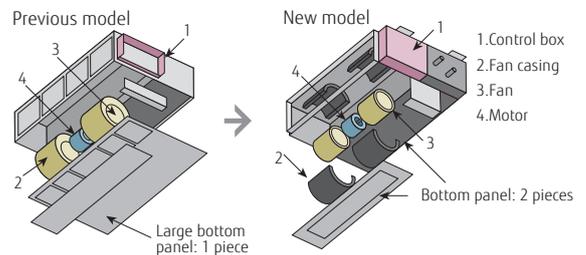
Two-direction drain piping



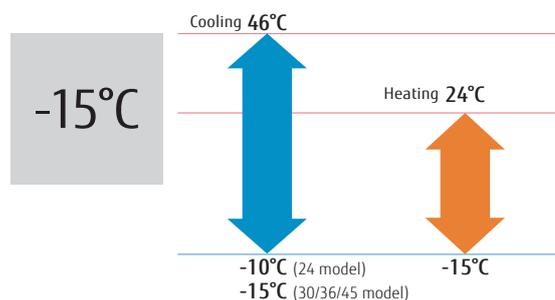
Easy maintenance

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.

See below for the case of rear suction type



Low ambient operation



Model : ARYG24MLA / ARYG30MLE / ARYG36MLE / ARYG45MLA / ARYG36MLA [3phase] / ARYG45MLA [3phase]



Wired R.C.



For ARYG24MLA



For ARYG30/36MLE



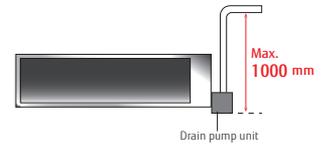
For ARYG36/45MLA

Specifications

Model No.	Indoor unit		ARYG24MLA	ARYG30MLE	ARYG36MLE	ARYG45MLA	ARYG36MLA	ARYG45MLA
	Outdoor unit		AOYG24LALA	AOYG30LETL	AOYG36LETL	AOYG45LETL	AOYG36LATT	AOYG45LATT
Power Source	Single-phase, ~230V, 50Hz						3-phase, ~400V, 50Hz	
Capacity	Cooling	kW	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-13.3)	10.0 (4.7-11.4)	12.5 (5.0-14.0)
	Heating		8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.1 (4.2-15.5)	11.2 (5.0-14.0)	14.0 (5.4-16.2)
Input Power	Cooling/Heating	kW	2.21/2.26	2.65/2.68	2.96/3.10	3.77/3.68	2.84/2.87	3.89/3.88
EER	Cooling	W/W	3.08	3.21	3.18	3.21	3.52	3.21
COP	Heating		3.54	3.73	3.61	3.61	3.90	3.61
Pdesign	Cooling/Heating(-10°C)	kW	6.8/6.0	8.5/8.0	9.4/8.7	-	10.0/10.0	-
SEER	Cooling	W/W	6.20	5.90	5.70	-	5.80	-
SCOP	Heating		4.00	3.90	3.80	-	4.00	-
Energy Efficiency Class	Cooling		A++	A+	A+	-	A+	-
	Heating		A+	A	A	-	A+	-
Max. Operating Current	Cooling/Heating	A	12.0/13.5	17.0/17.0	18.5/20.0	21.0/21.0	8.5/8.5	9.5/9.5
Annual Energy Consumption	Cooling	kWh/a	384	504	576	-	603	-
	Heating		2098	2868	3202	-	3497	-
Moisture Removal		l/h	2.5	2.5	3.0	4.0	3.0	4.5
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	31/29/27/25	39/35/30/26	39/35/30/26	42/38/32/28	38/36/31/26	42/38/32/28
	Indoor (Heating)	H/M/L/Q	31/29/27/25	42/35/30/26	42/35/30/26	42/38/32/28	40/36/31/26	42/38/32/28
Sound Power Level	Outdoor(Cooling/Heating)	High	52/53	53/55	54/55	55/55	51/53	54/54
	Indoor(Cooling/Heating)	High	60/62	65/69	65/70	-	65/67	-
Airflow Rate	Indoor/Outdoor	High	67/70	68/69	69/70	-	67/69	-
	Static pressure range (Standard)		m ³ /h	1100/2470	1900/3600	1900/3800	2100/6750	1800/6200
Net Dimensions H x W x D	Indoor	Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	30 to 150 (60)	30 to 150 (47)	30 to 150 (60)
		mm	270×1135×700	270×1135×700	270×1135×700	270×1135×700	270×1135×700	270×1135×700
Weight	Outdoor	kg(lbs)	38 (84)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)
		mm	578×790×315	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330
Connection Pipe Diameter (Liquid / Gas)		kg(lbs)	44 (97)	61 (134)	61 (134)	86 (190)	104 (229)	104 (229)
		mm	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)		mm	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1	35.7/38.1
Max Pipe Length (Pre-Charge)		m	30 (15)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)
Max Height Difference		m	20	30	30	30	30	30
Operation Range	Cooling	°CDB	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g	1,700	2,100	2,100	3,350	3,450	3,450

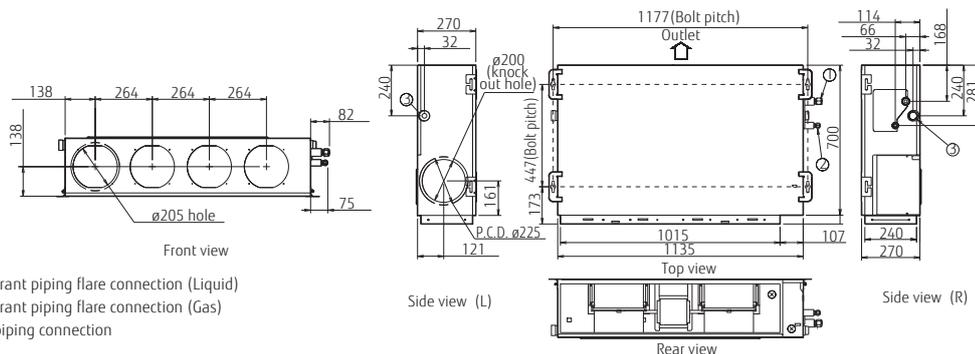
Optional parts

- | | | | |
|---------------------------|----------------------|---------------------|------------|
| Wired Remote Controller: | UTY-RNNYM, UTY-RVNYM | Long Life Filter: | UTD-LF25NA |
| Simple Remote Controller: | UTY-RSNYM | Remote Sensor Unit: | UTY-XSZX |
| Flange (Round): | UTD-RF204 | Drain Pump Unit: | UTZ-PX1NBA |
| Flange (Square): | UTD-SF045T | IR Receiver Kit: | UTY-LRHYM |



Dimensions

(Unit : mm)



NEW

Medium Static Pressure Duct Compact & Comfort



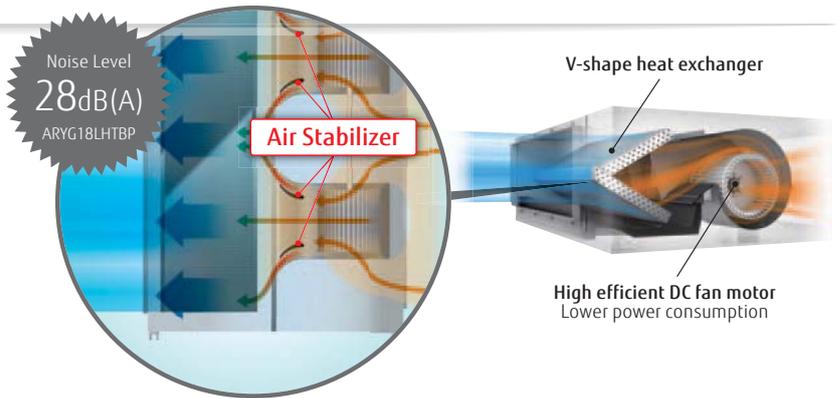
(30/36/45/54) (12/14/18/24)
ALL DC
 i-PAM V-PAM



Features

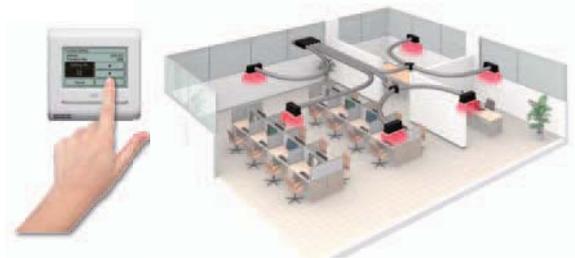
High Efficiency & Quiet operation

The combination of the V-shaped heat exchanger, air stabilizer, and the high efficient DC fan motor allowed high efficiency and quiet operation despite of the small structural design.



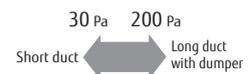
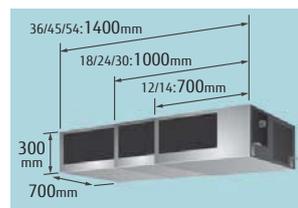
Automatic Airflow adjustment function

This unique and innovative function detects required air flow in each application case and automatically adjust the volume.



Improved installation flexibility

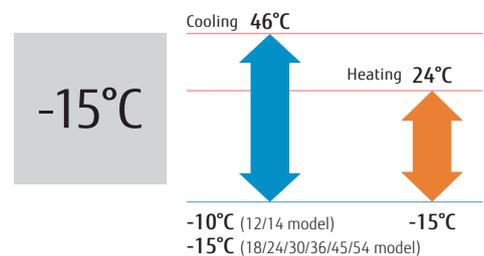
- Capable to be installed in various applications that requires static pressure of 30Pa to 200 Pa
- Built-in drain pump, rises drain up to 850 mm
- Unified depth throughout the range enables the selection of the capacity regardless of the additional space.



Improved service and maintenance

- Drain pump is easily detachable from the side
- Easy access to electrical box
- Error code can be checked more in detail from error history

Low ambient operation



**Model: ARYG12LHTBP / ARYG14LHTBP / ARYG18LHTBP / ARYG24LHTBP
ARYG30LHTBP / ARYG36LHTBP / ARYG45LHTBP / ARYG54LHTBP**



Touch Panel Wired R.C.



ARYG12/14LHTBP



ARYG18/24/30LHTBP



ARYG36/45/54LHTBP



For ARYG12/14LHTBP



For ARYG18/24LHTBP



For ARYG30/36LHTBP



For ARYG45/54LHTBP

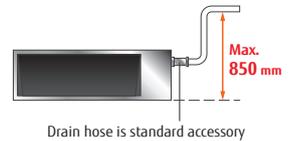
Specifications

Model No.	Indoor unit		ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP	
	Outdoor unit		AOYG12LBLA	AOYG14LBLA	AOYG18LBCA	AOYG24LBCA	AOYG30LBTB	AOYG36LBTB	AOYG45LBTB	AOYG54LBTB	
Power Source			Single-phase, ~230V, 50Hz								
Capacity	Cooling	kW	3.5 (0.9-4.4)	4.3 (0.9-5.4)	5.2 (0.9-6.5)	6.8 (0.9-8.0)	8.5 (2.8-10.0)	9.4 (2.8-11.2)	12.1 (4.0-14.0)	13.4 (4.5-14.5)	
	Heating	kW	4.1 (0.9-5.7)	5.0 (0.9-6.5)	6.0 (0.9-8.0)	8.0 (0.9-9.1)	10.0 (2.7-11.2)	11.2 (2.7-12.7)	13.3 (4.2-16.2)	16.0 (4.7-16.5)	
Input Power	Cooling/Heating	kW	0.90/1.00	1.18/1.25	1.37/1.48	1.95/2.21	2.65/2.70	2.83/3.07	3.59/3.44	4.42/4.62	
	Cooling	EER	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03	
COP	Cooling	W/W	4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46	
	Heating	W/W	4.10	4.00	4.11	4.01	3.95	3.81	-	-	
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/ 4.3	6.8/ 6.0	8.5/8.0	9.4/8.7	-	-	
	Cooling	SEER	6.20	6.10	7.15	6.50	5.95	5.81	-	-	
SCOP	Heating (Average)	W/W	4.10	4.00	4.11	4.01	3.95	3.81	-	-	
	Cooling	Energy Efficiency Class	A++	A++	A++	A++	A+	A+	-	-	
Max. Operating Current	Cooling/Heating	A	7.5/10.0	9.0/12.5	10.0/13.5	13.5/18.5	17.0/17.0	20.0/20.0	22.5/22.5	23.5/23.5	
	Cooling	Annual Energy Consumption	kWh/a	*	*	255	366	500	566	*	*
Moisture Removal	Heating	l/h	*	*	1462	2092	2833	3194	*	*	
	Indoor (Cooling)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29	
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	32/27/26/24	33/28/27/25	28/25/22/20	32/28/24/21	36/33/30/29	33/31/28/26	39/35/31/29	39/35/31/29	
	Outdoor(Cooling/Heating)	High	47/48	49/49	50/51	55/56	53/55	54/55	55/55	55/57	
Sound Power Level	Indoor(Cooling/Heating)	High	*	*	54/54	57/57	63/65	64/63	67/69	67/69	
	Outdoor(Cooling/Heating)	High	60/61	64/63	63/62	68/68	68/69	69/70	68/68	69/71	
Airflow Rate (High)	Indoor / Outdoor	High	m³/h	850/1780	950/1910	1050/ 1900	1360/ 2460	1700/ 3600	2050/ 3800	2550/ 6750	2550/ 6750
Static pressure range (Standard)		Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)	
		mm	300×700×700	300×700×700	300×1000×700	300×1000×700	300×1000×700	300×1400×700	300×1400×700	300×1400×700	
Net Dimensions H x W x D	Indoor	kg(lbs)	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)	
	Outdoor	kg(lbs)	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330	
Weight	Indoor	kg(lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)	
	Outdoor	kg(lbs)	40 (88)	40 (88)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)	
Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)		mm	25/32	25/32	25/32	25/32	25/32	25/32	25/32	25/32	
Max Pipe Length (Pre-Charge)		m	25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	50 (20)	
Max Height Difference		m	15	15	20	20	30	30	30	30	
Operation Range	Cooling	°CDB	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	g	1,150	1,250	1,800	1,800	2,100	2,100	3,350	3,350	

*:That specification is not fixed yet.

Optional parts

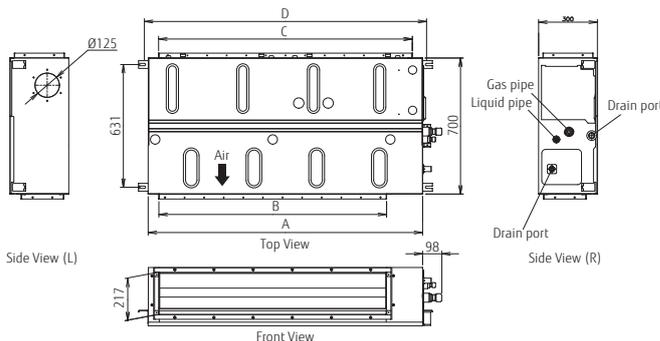
- Wired Remote Controller: UTY-RNRYZ1, UTY-RVNYM, UTY-RNNYM, UTY-RLRY Long life filter: UTD-LFNA (for ARYG36/45/54LHTBP)
- Simple Remote Controller: UTY-RSNYM UTD-LFNB (for ARYG24/30LHTBP)
- IR Receiver Unit : UTY-LBTYM UTD-LFNC (for ARYG12/14LHTBP)
- External input and output PCB (with bracket): UTY-XCSX + UTZ-GXNA Remote Sensor Unit: UTY-XSXZ
- External connect kit: UTY-XWZXZG, UTY-XWZXZ3



Drain hose is standard accessory

Dimensions

(Unit : mm)



	ARYG12/14LHTBP	ARYG18/24/30LHTBP	ARYG36/45/54LHTBP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440

High Static Pressure Duct

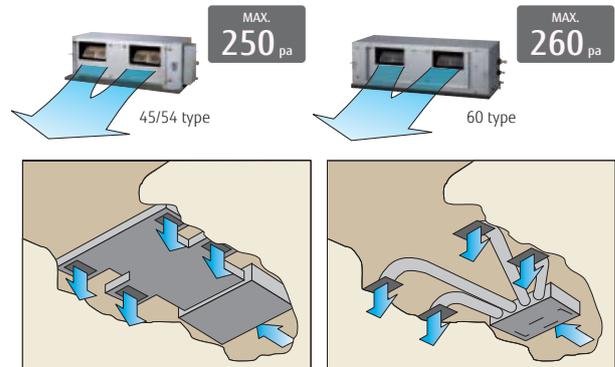


Features

High energy efficiency

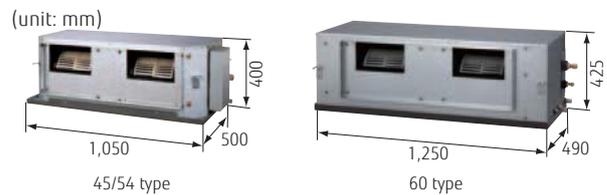
Significantly greater efficiency is realized by using all DC inverter technology. (60 type)

Design also corresponding to high static pressure



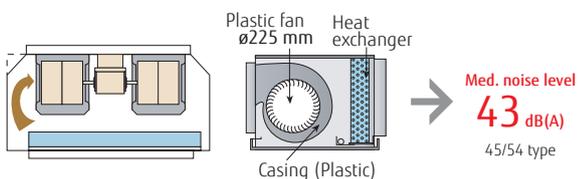
Easy installation (Compact size & Lightweight)

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

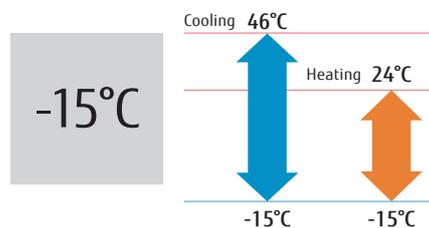


Low noise

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



Low ambient operation



**Model : ARYG45LHTA / ARYG54LHTA /
ARYG45LHTA [3phase] / ARYG54LHTA [3phase] / ARYG60LHTA [3phase]**



Wired R.C.



ARYG45/54LHTA



ARYG60LHTA



Specifications

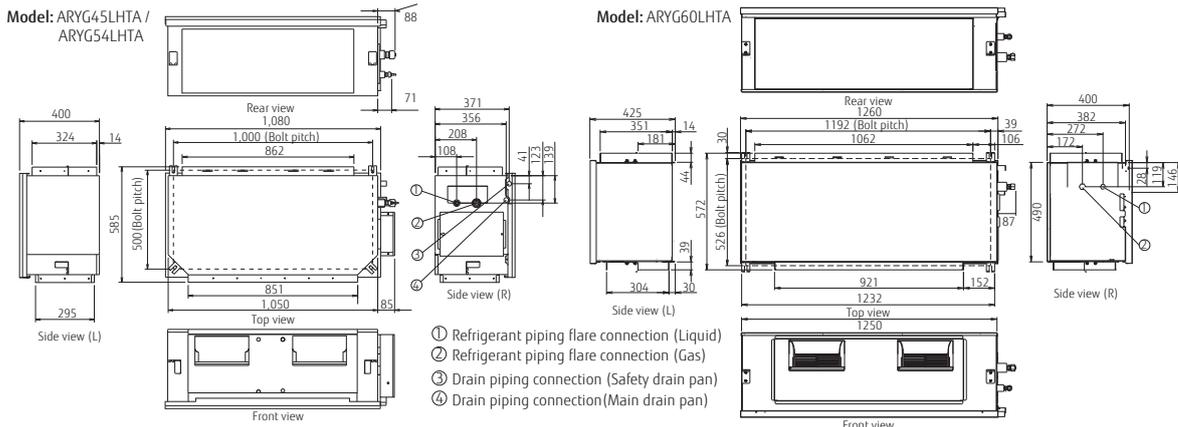
Model No.	Indoor unit		ARYG45LHTA	ARYG54LHTA	ARYG45LHTA	ARYG54LHTA	ARYG60LHTA	
	Outdoor unit		AOYG45LETL	AOYG54LETL	AOYG45LATT	AOYG54LATT	AOYG60LATT	
Power Source			Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz			
Capacity	Cooling	kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	15.0 (6.2-17.5)	
	Heating		14.0 (5.0-16.2)	16.0 (5.5-18.0)	14.0 (5.4-16.2)	16.0 (5.8-18.0)	18.0 (6.2-20.0)	
Input Power	Cooling/Heating	kW	4.30/3.80	4.77/4.69	4.06/3.67	4.65/4.37	4.70/5.15	
EER	Cooling	W/W	2.91	2.81	3.08	3.01	3.19	
COP	Heating		3.68	3.41	3.81	3.66	3.50	
Max. Operating Current	Cooling/Heating	A	22.5/22.5	23.5/23.5	11.0/11.0	12.0/12.0	12.5 /12.5	
Moisture Removal		l/h	1.5	2.0	1.5	2.5	2.0	
Sound Pressure	Indoor (Cooling)	H/M/L/Q	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-	
	Indoor (Heating)	H/M/L/Q	47/43/40/-	47/43/40/-	47/43/40/-	47/43/40/-	45/40/36/-	
	Outdoor(Cooling/Heating)	High	55/55	55/57	54/54	55/56	56/58	
Airflow Rate	Indoor / Outdoor	High	m³/h	3350/6750	3350/6750	3350/6750	3350/6900	3550/6900
Static pressure range (Standard)			Pa	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	100 to 250 (100)	60 to 260 (60)
Net Dimensions H x W x D	Indoor		mm	400×1050×500	400×1050×500	400×1050×500	400×1050×500	425×1250×490
			kg (lbs)	46 (101)	46 (101)	46 (101)	46 (101)	54 (119)
Weight	Outdoor		mm	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
			kg (lbs)	86 (189)	86 (189)	104 (229)	104 (229)	104 (229)
Connection Pipe Diameter (Liquid / Gas)			mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Drain hose Diameter (I.D./O.D.)			mm	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4	23.4/25.4
Max Pipe Length (Pre-Charge)			m	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
Max Height Difference			m	30	30	30	30	30
Operation Range	Cooling	°CDB		-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)			R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge	g		3,350	3,350	3,450	3,450	3,450

Optional parts

- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Long-Life Filter: UTD-LF60KA (For ARYG45/54LHTA only)
- Remote Sensor Unit: UTY-XSZX
- IR Receiver Kit: UTY-LRHYM (For ARYG60LHTA only)

Dimensions

(Unit : mm)



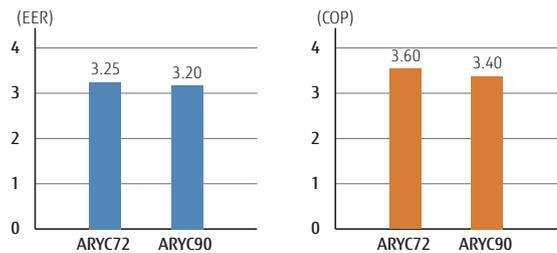
High Static Pressure Duct



Features

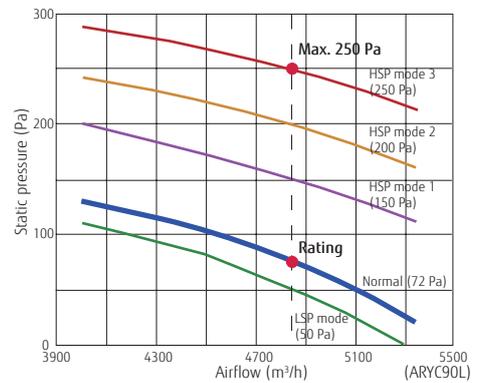
High energy efficiency

Significantly greater efficiency is realized by using DC twin rotary compressor, all DC inverter technology, and large heat exchanger.



5 Static Pressure selection

Improvement and design flexibility has allowed multiple fan speeds and static pressure modes. Low noise is realized by adopting plastic case, plastic fan.



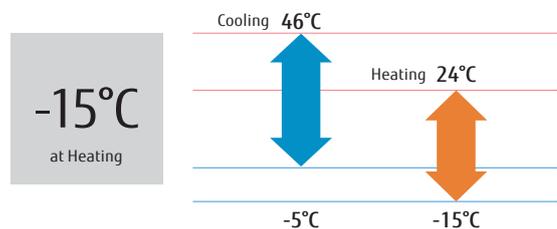
Outdoor unit quiet operation

A low outdoor noise operation mode allows the outdoor unit to have two quiet mode operation settings.

Peak cut operation

A peak power consumption mode controls a 4 step outdoor operation control to cut down energy usage at peak energy usage times.

Low ambient operation



Model : ARYC72LHTA [3phase] / ARYC90LHTA [3phase]



Wired R.C.



ARYC72LHTA



ARYC90LHTA



Specifications

Model No.	Indoor unit		ARYC72LHTA	ARYC90LHTA	
	Outdoor unit		AOYA72LALT	AOYA90LALT	
Power Source	3-phase, ~400V, 50Hz				
Capacity	Cooling	kW	20.3 (10.8-23.5)	25.0 (11.2-28.0)	
	Heating		22.6 (12.0-26.5)	28.0 (12.5-31.5)	
Input Power	Cooling/Heating	kW	6.25/6.27	7.82/8.24	
EER	Cooling		3.25	3.20	
COP	Heating	W/W	3.60	3.40	
	Cooling/Heating		A	22.8/22.8	25.8/25.8
Moisture Removal		l/h	4.5	6.0	
Sound Pressure	Indoor (Cooling)	H/M/L/Q	47/44/41/-	49/46/43/-	
	Indoor (Heating)	H/M/L/Q	47/44/41/-	49/46/43/-	
	Outdoor(Cooling/Heating)	High	57/57	58/59	
Airflow Rate	Indoor / Outdoor	High	m ³ /h	4300/9300	4850/10700
Static pressure range (Standard)		Pa	50 to 250 (72)	50 to 250 (72)	
Net Dimensions H x W x D	Indoor	mm	450×1587×700	550×1587×700	
		kg(lbs)	100 (220)	110 (242)	
Weight	Outdoor	mm	1690×930×765	1690×930×765	
		kg(lbs)	215 (473)	215 (473)	
Connection Pipe Diameter (Liquid / Gas)		mm	12.70/25.40	12.70/25.40	
Drain Hose Diameter (I.D./O.D.)		mm	35.7/38.1	35.7/38.1	
Max Pipe Length (Pre-Charge)		m	75 (20)	75 (20)	
Height Difference			30	30	
Operation Range	Cooling	°CDB	-5 to 46	-5 to 46	
	Heating		-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	
	Charge	g	11,200	11,200	

Optional parts

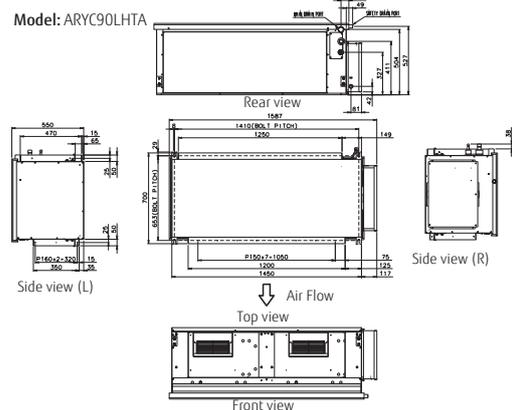
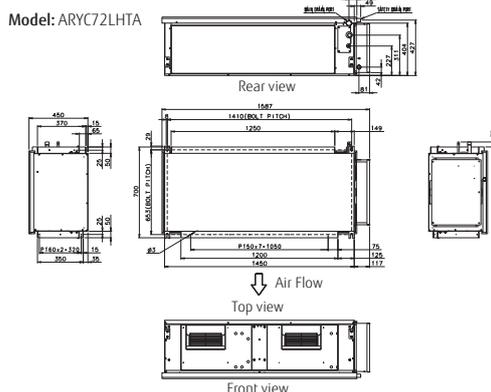
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Remote Sensor Unit: UTY-XSZX

Dimensions

(Unit : mm)



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