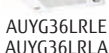
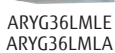


SPLIT



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					 ARYG12LMTBP	 ARYG14LMTBP
High Static Pressure Duct Page 86 ~						

BTU								
18	24	30	36	45	54	60	72	90
								
								
ASYG18LFCA	ASYG24LFCC	ASYG30LFCA						
								
ABYG18LVTB	ABYG24LVTA							
			 					
		ABYG30LRTE	ABYG36LRTE ABYG36LRTA	ABYG45LRTA	ABYG54LRTA			
								
AUYG18LVLB	AUYG24LVLA							
			 					
		AUYG30LRLE	AUYG36LRLE AUYG36LRLA	AUYG45LRLA	AUYG54LRLA			
								
AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB			
								
ARYG18LLTB								
			 					
	ARYG24LMLA	ARYG30LMLE	ARYG36LMLE ARYG36LMLA	ARYG45LMLA				
								
ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP			
								
				ARYG45LHTA	ARYG54LHTA	ARYG60LHTA		
								
							ARYC72LHTA	ARYC90LHTA

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.



Save & Stop human sensor
Human sensor detects the movement of people in the room and judges whether the energy saving or stop operation.



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



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.



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

Comfortable Function



Powerful heating
Keeping the rated heating capacity even when the outdoor ambient temperature is -7°C.



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



Server room operation
Interlock operation is possible by connecting 2 indoor units even in the low temperature.



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 Locally purchased 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 Locally purchased branch ducts distributing the airflow.



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.



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.



External error output



External ON/OFF input

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.



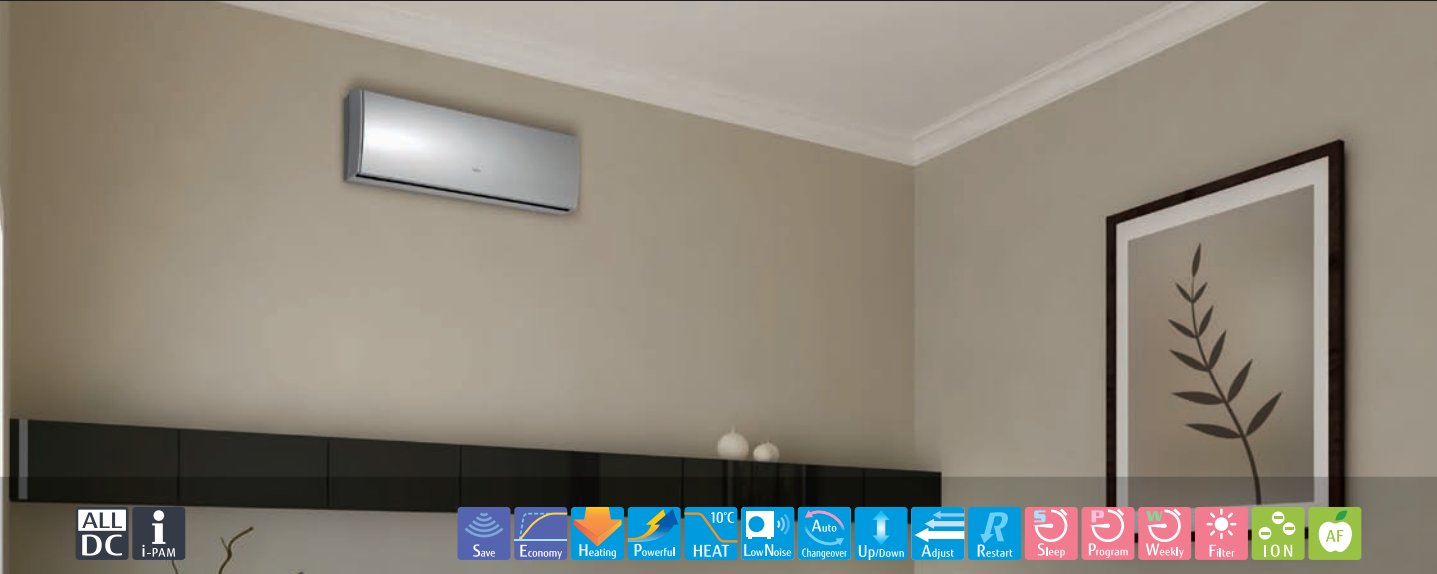
V-PAM control models
V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology.

Feature Summary

		←Floor←Floor/Ceiling←Compact CeilingCassette←Slim Duct←Medium Static Pressure DuctHigh Static Pressure Duct															
		←Wall Mounted															
		ASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCAASYG07/09/12/14LCA															
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	●	●	●	●		●	●	●	●	●	○	○	○	○	○	○ (60)
	Low Noise mode	●	●	●	●					○ (45/54) (36LRTA)		○ (45/54)			○ (45) (36LMLA)	○ (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	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○ (60)
	Program timer	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○ (60)
	Weekly timer	●	●		●							●				●	
	Weekly + setback timer	○	○	○	○		○	○	○	○	○		●	●	●		●
	External error output	○	○	○	○		○					○				○	○
	External ON/OFF input	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○
Clean Function	Filter sign	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Ion deodorization filter	●	●	●	●		●	●									
	Apple-catechin filter	●	●	●	●		●	●									
Installation	Washable panel			●	●	●	●	●									
	Automatic airflow adjustment															●	
	Drain pump as standard													●		●	
	Blue fin				●		● (30)		● (45)		● (30/36/45/54)	● (45/54)			● (30/36/45/54)	●	●

○: Optional function

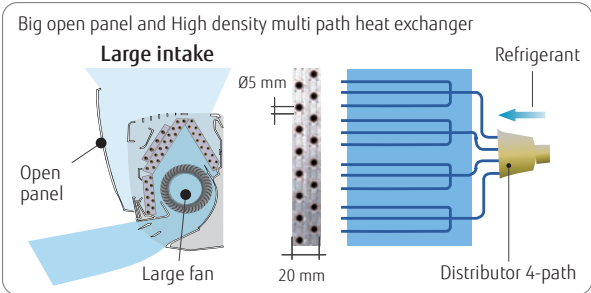
Wall Mounted Designer Range High Spec & Design



Features

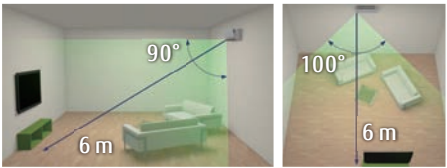
Thin & Slim design

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



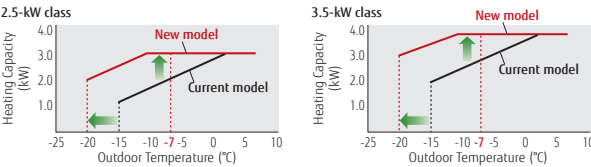
Human sensor

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.

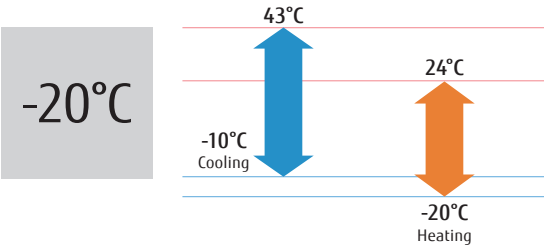


3 Mode timer (Weekly/Program/Sleep)

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

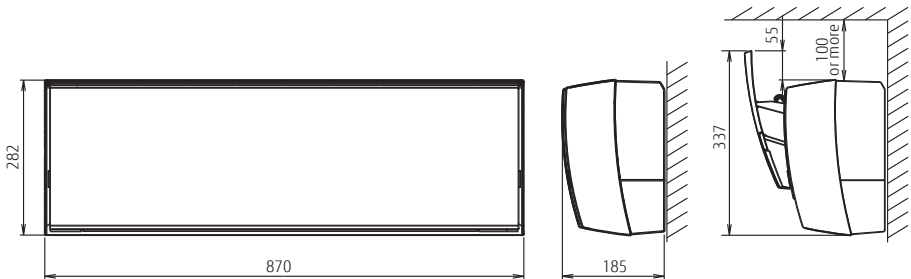
Model No.	Indoor unit		ASYG09LTCA		ASYG12LT CA	
	Outdoor unit		AOYG09LTC		AOYG12LTC	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.5 (0.9-3.5)		3.5 (1.1-4.0)	
	Heating		3.2 (0.9-5.4)		4.0 (0.9-6.5)	
Input Power	Cooling/Heating	kW	0.505/0.660		0.850/0.910	
EER	Cooling	W/W	4.95		4.12	
COP	Heating		4.85		4.40	
Pdesign	Cooling/Heating(-10°C)	kW	2.5/3.0		3.5/4.0	
SEER	Cooling	W/W	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	A	6.5/9.5		9.0/10.5	
Annual Energy Consumption	Cooling	kWh/a	103		144	
	Heating		912		1217	
Moisture Removal			l/h	1.3	1.8	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	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	
	Outdoor(Cooling/Heating)	High		63/65	64/65	
Airflow Rate	Indoor / Outdoor	High		m³/h	800/1,700	850/2,050
Net Dimensions H x W x D Weight	Indoor	mm	282×870×185		282×870×185	
		kg(lbs)	9.5 (21)		9.5 (21)	
	Outdoor	mm	540×790×290		620×790×290	
		kg(lbs)	33 (73)		40 (88)	
Connection Pipe Diameter (Liquid / Gas)			mm	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)			m	20 (15)	20 (15)	
Max Height Difference				15	15	
Operation Range	Cooling	°CDB	-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	g	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)



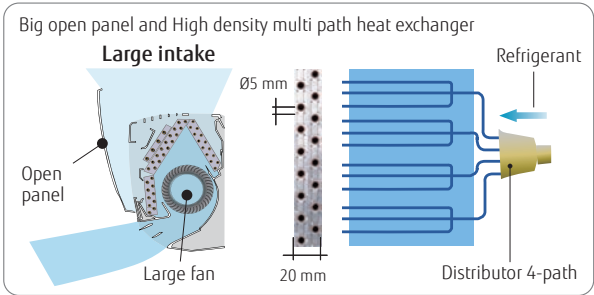
Wall Mounted Designer Range High COP



Features

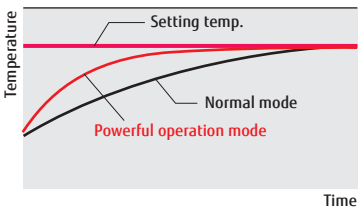
Thin & Slim design

Thin and slim design is realized by Ø5-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.



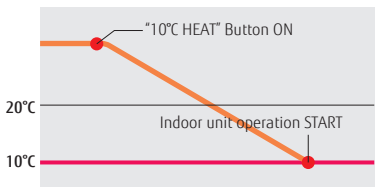
3 Mode timer (Weekly/Program/Sleep)

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.

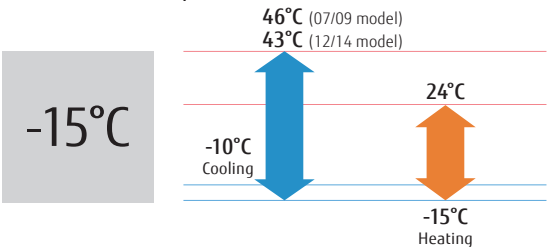


10°C HEAT Operation

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

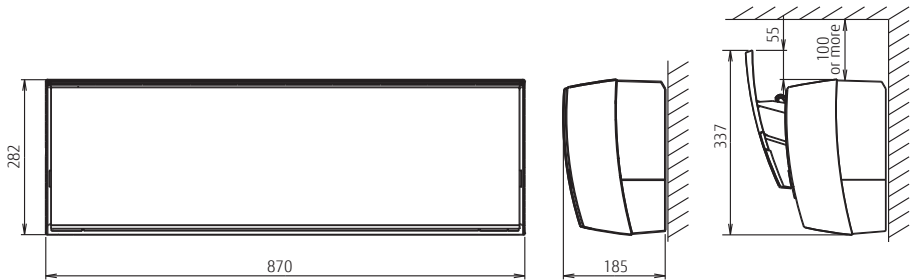
Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA	
	Outdoor unit		AOYG07LUCA	AOYG09LUCB	AOYG12LUC	AOYG14LUC	
Power Source			Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)	
	Heating		3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (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	dB(A)	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
Sound Power Level	Outdoor(Cooling/Heating)	High		46/46	48/48	50/50	50/50
	Indoor(Cooling/Heating)	High		57/59	59/61	60/62	60/64
Sound Power Level	Outdoor(Cooling/Heating)	High	58/58	60/60	65/65	65/65	
	Airflow Rate	Indoor / Outdoor	High	m³/h	680/1,720	800/1,720	850/1,940
Net Dimensions H x W x D Weight	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)	
	Outdoor	mm	540×660×290	540×660×290	540×660×290	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

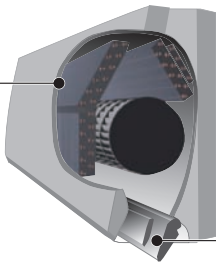
High efficient compact design

High density heat exchanger

Making the tube thin:
7 mm → 5 mm

Increase of heat exchanger volume by high density and adopting sub heat exchanger

Even temperature
↓
Improved heat exchanger effectiveness



More comfort airflow

Power diffuser

Vertical airflow provides powerful floor level heating.

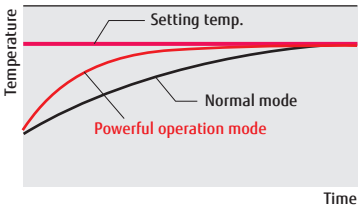
Horizontal airflow does not blow cool air directly at occupants in the room.

Heating

Cooling

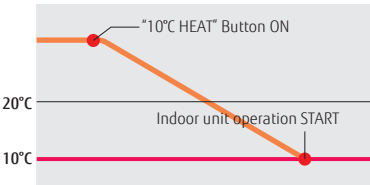
Powerful operation

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



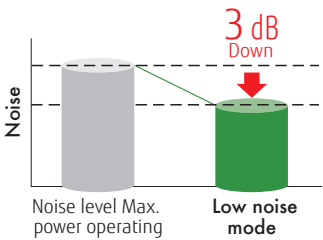
10°C HEAT Operation

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

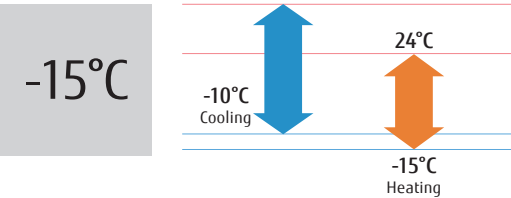


Low noise mode for outdoor unit

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

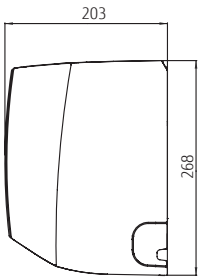
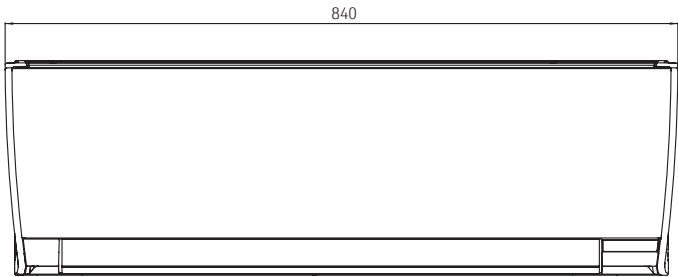
Model No.	Indoor unit		ASYG07LMCA	ASYG09LMCA	ASYG12LMCA	ASYG14LMCA	
	Outdoor unit		AOYG07LMCA	AOYG09LMCA	AOYG12LMCA	AOYG14LMCA	
Power Source			Single-phase, ~230V, 50Hz				
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.4 (0.9-3.9)	4.0 (0.9-4.4)	
	Heating		3.0 (0.5-3.4)	3.2 (0.5-4.0)	4.0 (0.9-5.3)	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	dB(A)	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	63/63	
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			m	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)



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.

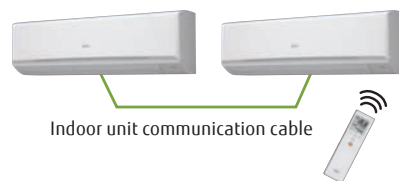


Server room function*

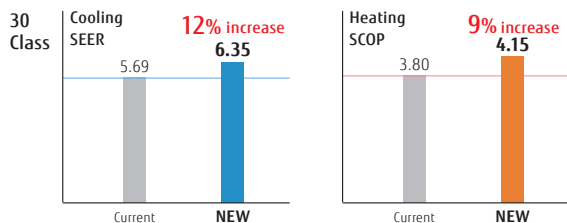
The following interlock operation is possible by connecting 2 indoor units with a cable. Cooling operation can be performed even in the low outdoor temperature and low humidity environment.

- **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

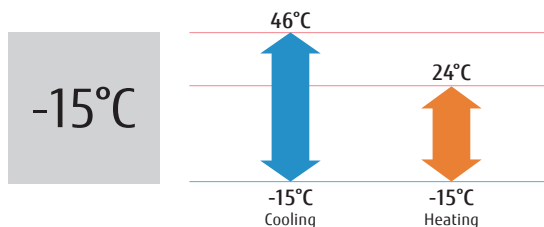
*2 x UTY-XWNX of optional parts are required.



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		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	
Sound Power Level	Outdoor(Cooling/Heating)	High	52/55		55/56	
	Indoor(Cooling/Heating)	High	65/65		65/65	
	Outdoor(Cooling/Heating)	High	67/68		68/70	
Airflow Rate	Indoor / Outdoor	High	m³/h	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.)			mm	13.8 / 15.8 to 16.7	13.8 / 15.8 to 16.7	
Max Pipe Length (Pre-Charge)			m	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

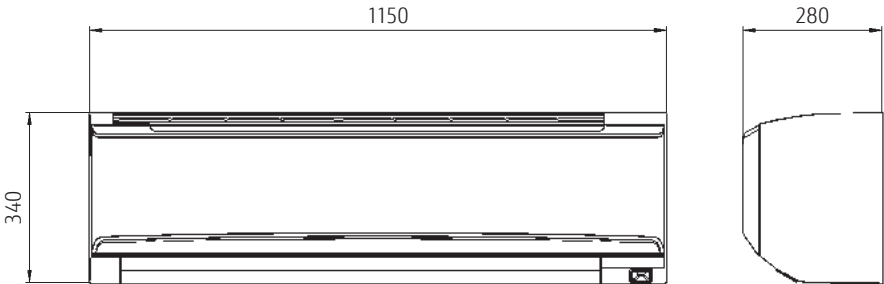
Simple Remote Controller (three-wire): UTY-RSNYM + UTY-XWNX

External input and output PCB (with box): UTY-XCSXZ1 + UTZ-GXXB

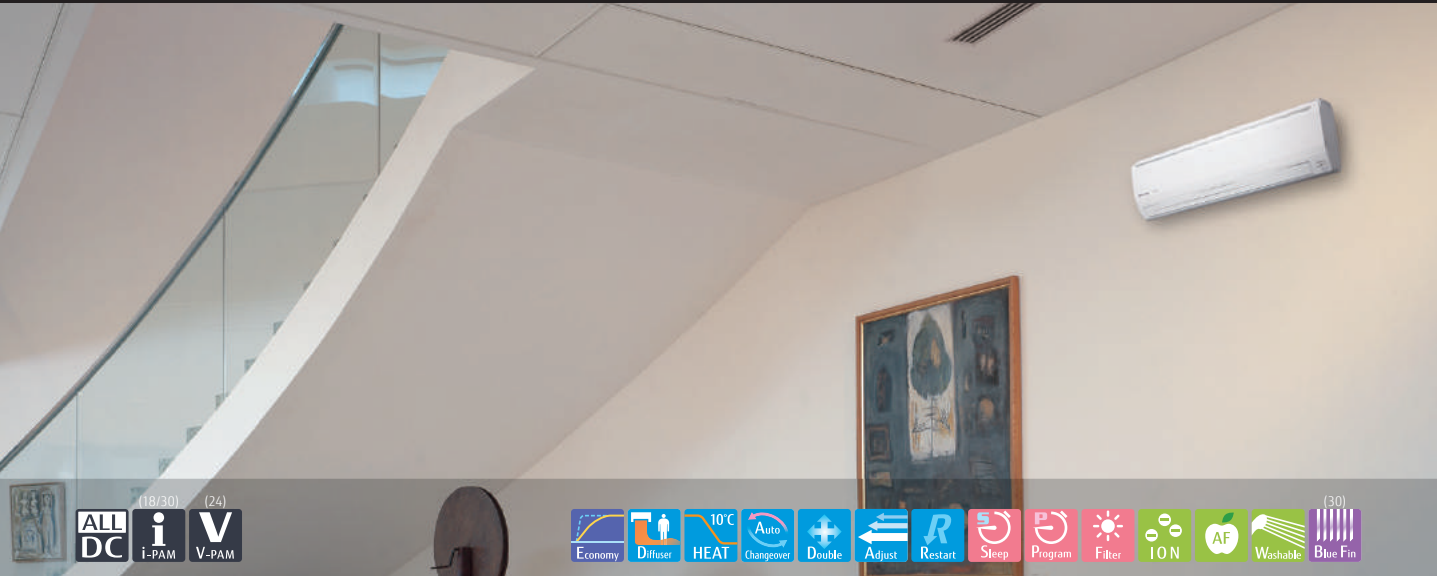
External Connect Kit: UTY-XWZX

Dimensions

(Unit : mm)

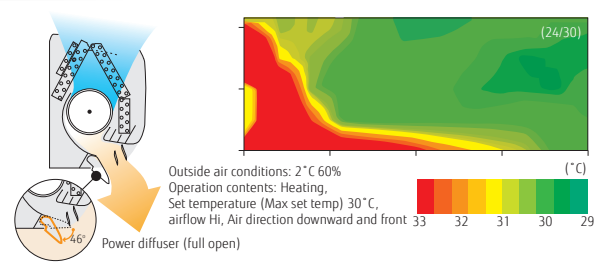


Wall Mounted Standard Range Comfort for Large Room

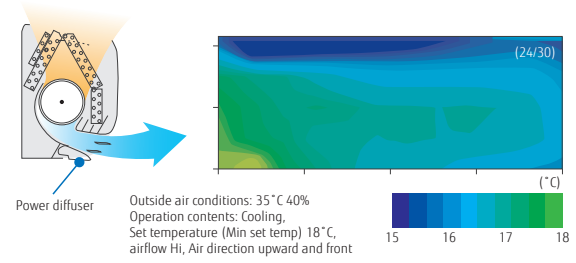


Features

“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.

Apple-catechin Filter

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

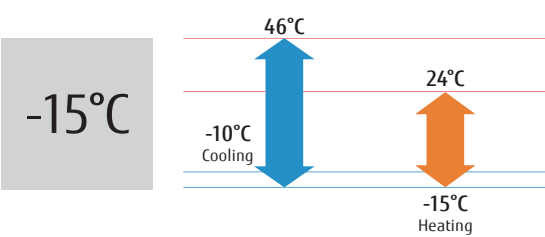
+

Using different filters at both sides

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



Model: ASYG18LFCA / ASYG24LFCC / ASYG30LFCA



Specifications

Model No.	Indoor unit		ASYG18LFCA	ASYG24LFCC	ASYG30LFCA	
	Outdoor unit		AOYG18LFC	AOYG24LFCC	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++	A+	
	Heating (Average)		A	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			I/h	2.6	2.7	3.2
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	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	m³/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	620×790×298	620×790×298	830×900×330	
		kg(lbs)	41 (90)	41 (90)	61 (135)	
Connection Pipe Diameter (Liquid / Gas)			6.35/12.8	6.35/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)			12/16	12/16	12/16	
Max Pipe Length (Pre-Charge)			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	1,650	2,100	

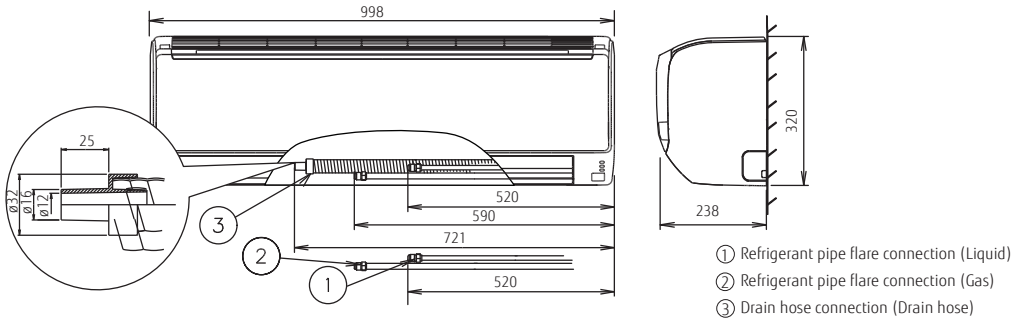
Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Dimensions

(Unit : mm)

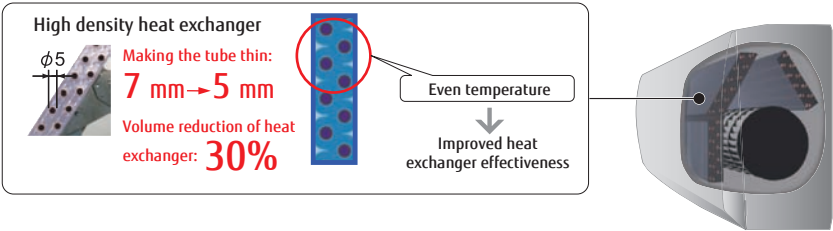


Wall Mounted ECO Range Compact & Comfort



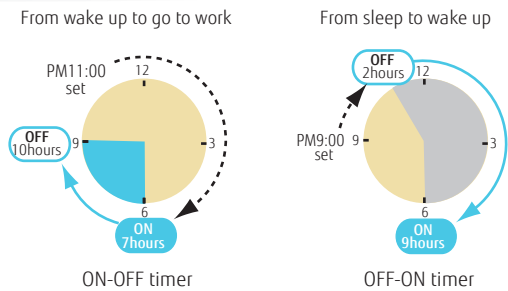
Features

High efficient compact design



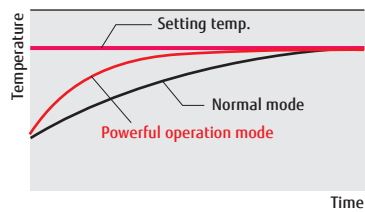
ON-OFF Programmable timer

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)



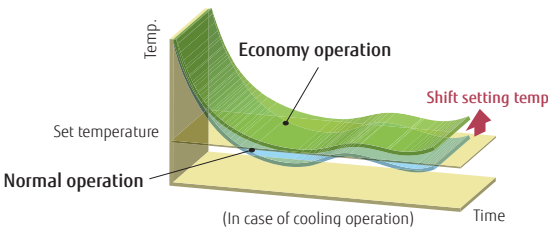
Powerful operation

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

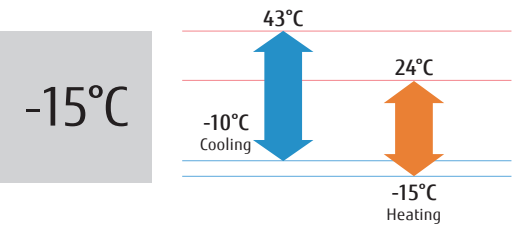


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation



Model: ASYG07LLCC / ASYG09LLCC / ASYG12LLCC



Specifications

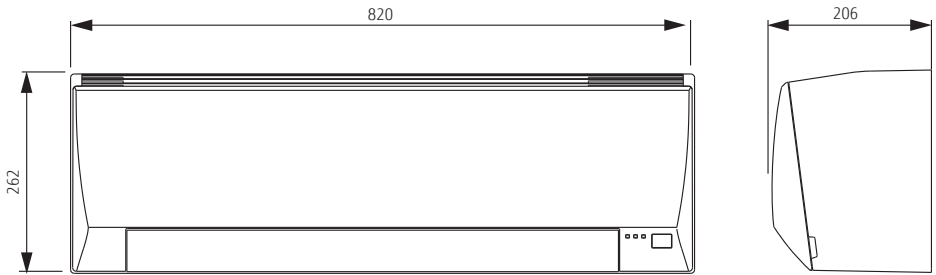
Model No.	Indoor unit		ASYG07LLCC	ASYG09LLCC	ASYG12LLCC
	Outdoor unit		A0YG07LLCC	A0YG09LLCC	A0YG12LLCC
Power Source			Single-phase, ~230V, 50Hz		
Capacity	Cooling	kW	2.0 (0.9-2.8)	2.5 (0.9-3.0)	3.4 (0.9-3.8)
	Heating		2.7 (0.9-3.6)	3.0 (0.9-3.8)	4.0 (0.9-5.0)
Input Power	Cooling/Heating	kW	0.470/0.620	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)	kW	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	A	6.0/7.5	6.0/7.5	6.5/9.0
Annual Energy Consumption	Cooling	kWh/a	104	127	180
	Heating		770	805	1,179
Moisture Removal			l/h	1.0	1.3
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	50/51
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	m³/h	720/1,670	720/1,830
Net Dimensions H x W x D Weight	Indoor		mm	262×820×206	262×820×206
			kg(lbs)	7.0 (15)	7.0 (15)
	Outdoor		mm	535×663×293	535×663×293
			kg(lbs)	24 (53)	26 (57)
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/9.52	6.35/9.52
Drain hose 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	-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	650	650	850

Optional parts

Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



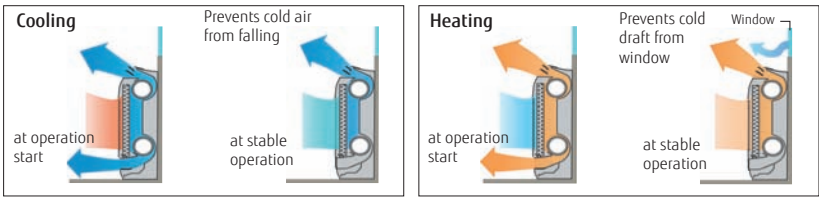
Floor Compact & Comfort



Features

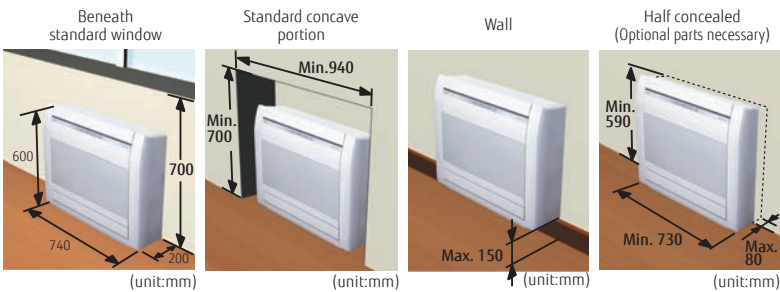
2-Fan & Wide airflow

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



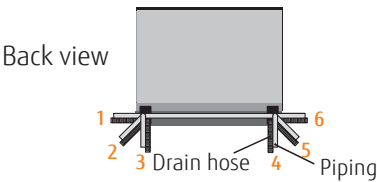
Flexible & easy installation

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.



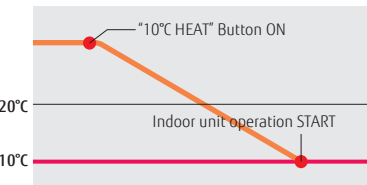
Flexible piping connection 6 direction of drain & piping

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

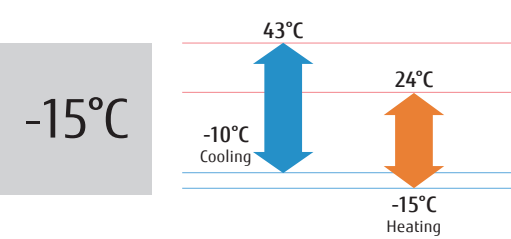


10°C HEAT Operation

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	AOYG14LVLA	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.6 (0.-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	dB(A)	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	650/1910
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)			mm	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 to16.7	13.8/15.8 to 16.7
Max Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)
Max Height Difference			m	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

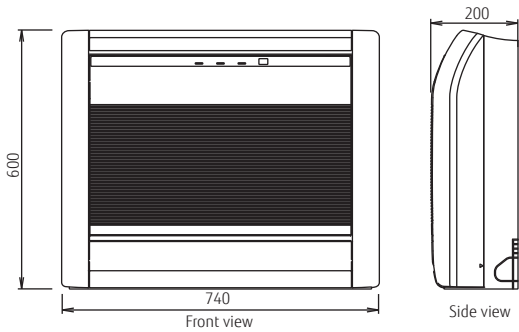
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Half Concealed Kit: UTR-STA

Dimensions

(Unit : mm)



Floor/Ceiling

Comfort & Dual Design

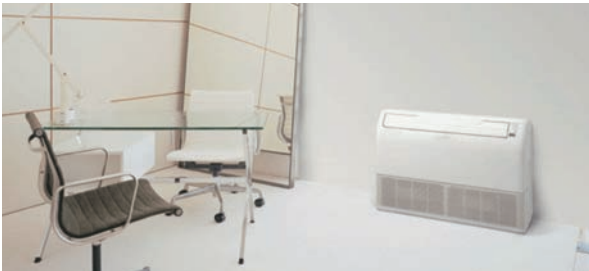


Features

Flexible installation

Example for floor installation

Floor console



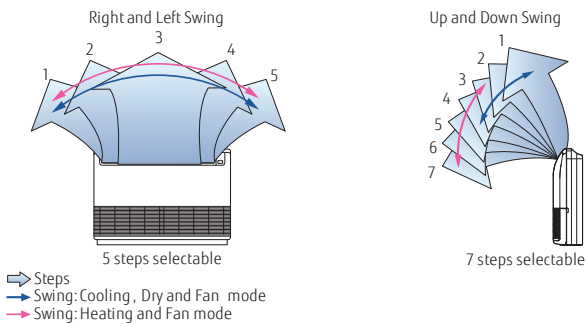
Example for ceiling installation

Under ceiling



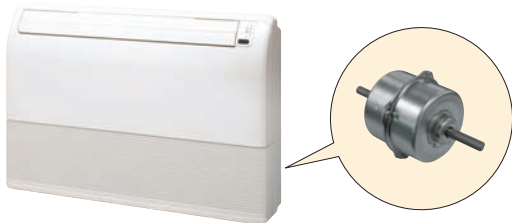
Double auto swing

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

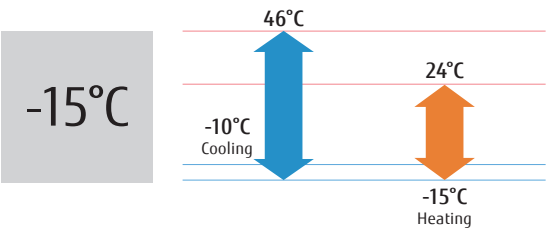


High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation



Model : ABYG18LVTB / ABYG24LVTA



Wireless R.C.



For ABYG18LVTB



For ABYG24LVTA

Specifications

Model No.	Indoor unit		ABYG18LVTB		ABYG24LVTA	
	Outdoor unit		AOYG18LALL		AOYG24LALA	
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	5.2 (0.9-5.9)		6.8 (0.9-8.0)	
	Heating		6.0 (0.9-7.5)		8.0 (0.9-9.1)	
Input Power	Cooling/Heating	kW	1.62/1.66		2.21/2.26	
EER	Cooling	W/W	3.21		3.08	
COP	Heating		3.61		3.54	
Pdesign	Cooling/Heating(-10°C)	kW	5.2/5.2		6.8/6.0	
SEER	Cooling	W/W	6.10		5.60	
SCOP	Heating (Average)		4.00		3.90	
Energy Efficiency Class	Cooling		A++		A+	
	Heating (Average)		A+		A	
Max. Operating Current	Cooling/Heating	A	9.0/12.5		12.0/13.5	
Annual Energy Consumption	Cooling	kWh/a	298		425	
	Heating		1819		2150	
Moisture Removal			l/h	2.0	2.7	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	43/40/34/31	48/44/40/35	
	Indoor (Heating)	H/M/L/Q		43/40/34/31	48/44/40/35	
	Outdoor(Cooling/Heating)	High		50/50	52/53	
Sound Power Level	Indoor(Cooling/Heating)	High		57/57	61/61	
	Outdoor(Cooling/Heating)	High		62/65	67/70	
Airflow Rate	Indoor / Outdoor	High	m³/h	780/2000	980/2470	
Net Dimensions H x W x D Weight	Indoor	mm	199×990×655		199×990×655	
		kg(lbs)	27 (59)		27 (59)	
	Outdoor	mm	578×790×300		578×790×315	
		kg(lbs)	40 (88)		44 (97)	
Connection Pipe Diameter (Liquid / Gas)			mm	6.35/12.70	6.35/15.88	
Drain hose Diameter (I.D./O.D.)				25/32	25/32	
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	Type (Global Warming Potential)		R410A (2,088)		R410A (2,088)	
	Charge	g	1,250		1,700	

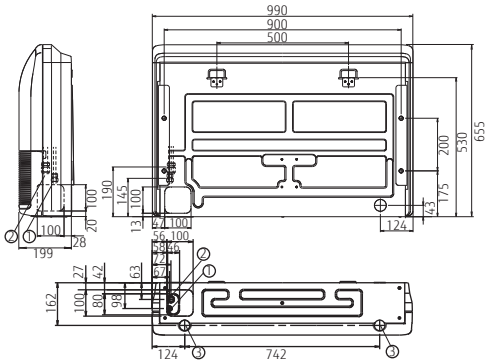
Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Dimensions

(Unit : mm)



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

Ceiling

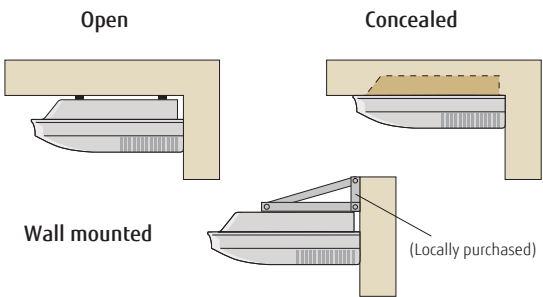
Comfort for Large Room



Features

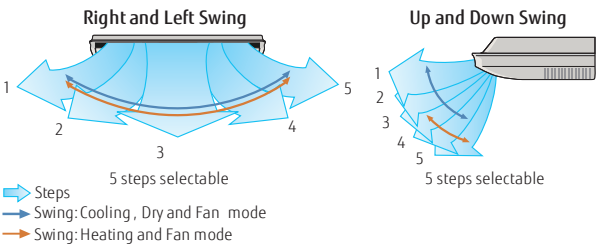
Flexible installation

Various installations are possible to match the room layout.

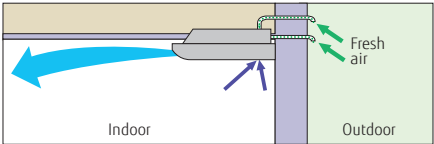


Multi auto swing

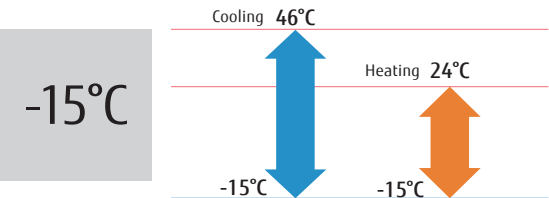
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Low ambient operation



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



Wireless R.C.



For ABYG30/36LRTE

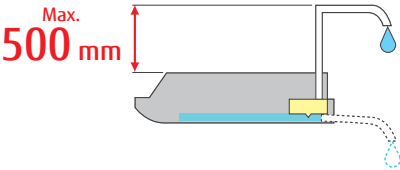
For ABYG36/45/54LRTA

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	Outdoor(Cooling/Heating)	High	68/69	69/70	-	67/69	-	-	
	Indoor / Outdoor	High	m³/h	1660/3600	1900/3800	2100/6200	1900/6200	2100/6900	2300/6900
Net Dimensions H x W x D Weight	Indoor	mm	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	240×1660×700	
		kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	48 (106)	
	Outdoor	mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	
		kg(lbs)	61 (134)	61 (134)	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	21.5/26.0	21.5/26.0	21.5/26.0	21.5/26.0	21.5/26.0	
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	

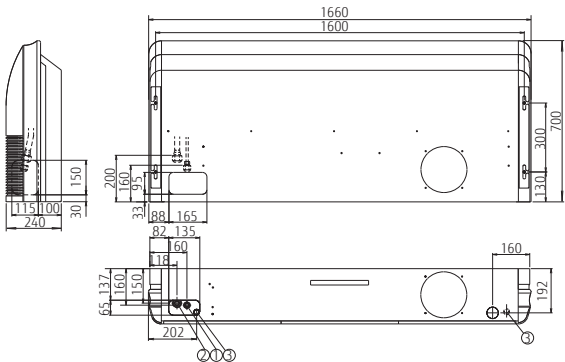
Optional parts

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



Dimensions

(Unit : mm)



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

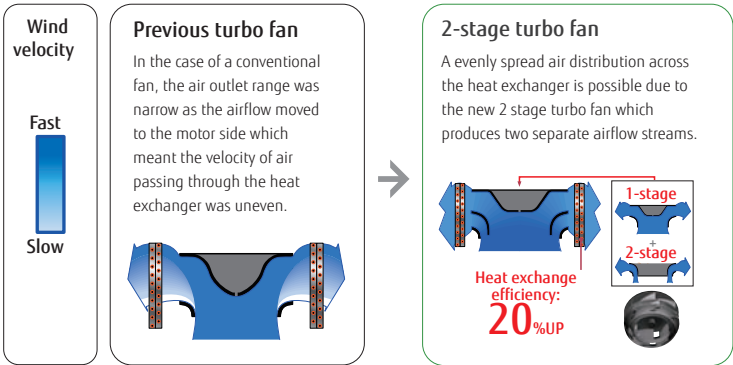
Compact Cassette 4-way Flow Compact & Comfort



Features

2-stage turbo fan

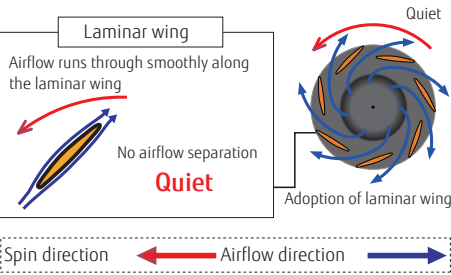
High efficiency design by 2 stage structure



Quiet quality

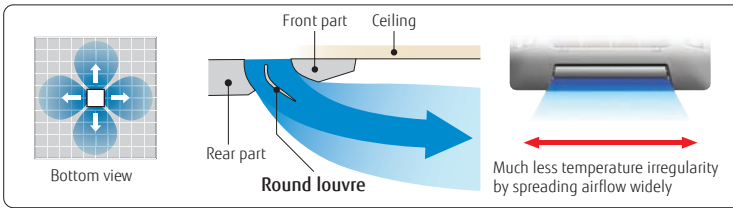
Optimization of wing form (laminar wing type) and wing number (7 blades each)

Designed by CFD-analysis (fluid) simulations

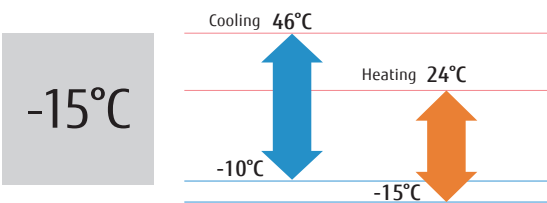


Improvement of the airflow distribution

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



Low ambient operation



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		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	kW	1.05/1.11	1.33/1.34	1.62/1.66	2.21/2.26
EER	Cooling	W/W	3.33	3.21	3.21	3.08
COP	Heating		3.69	3.71	3.61	3.54
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
SEER	Cooling	W/W	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		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
Sound Power Level	Outdoor(Cooling/Heating)	High	47/48	49/49	50/50	52/53
	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	m³/h 600/1780	680/1910	680/2000	930/2470
Net Dimensions H × W × D Weight	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×5700
		kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
	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)			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		-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 × W × 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)

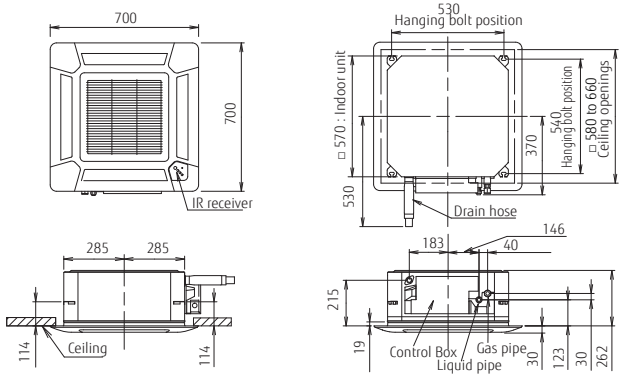
Optional parts

- 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)



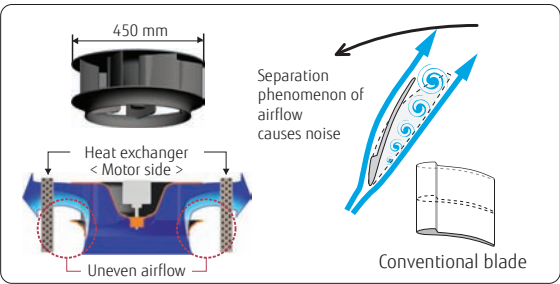
Cassette 4-way Flow Comfort for large room



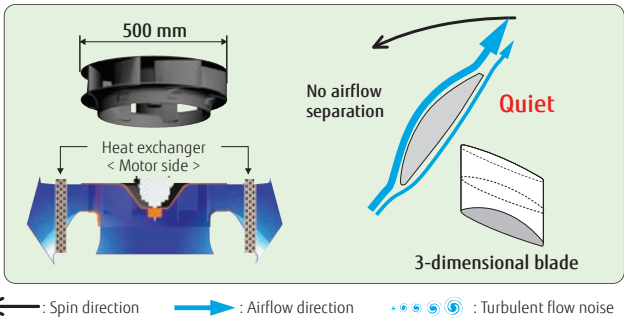
Features

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.

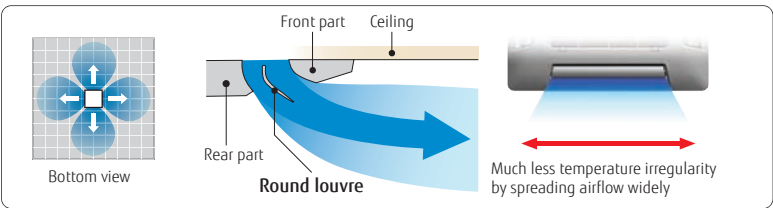


New turbo fan: High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.



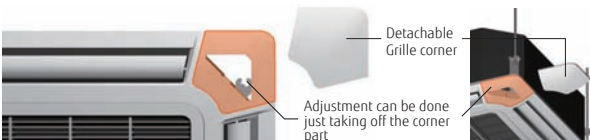
Improvement of the airflow distribution

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

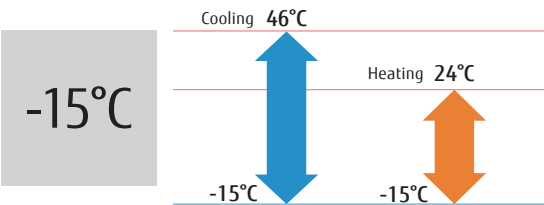


Adjustment of hanger position is possible after installation

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



Low ambient operation



Model : AUYG30LRLE / AUYG36LRLE / AUYG45LRLA / AUYG54LRLA /
AUYG36LRLA [3phase] / AUYG45LRLA [3phase] / AUYG54LRLA [3phase]



Specifications

Model No.	Indoor unit		AUYG30LRLE	AUYG36LRLE	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		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	
COP	Heating		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)		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	-	-	573	-	-	
	Heating		2604	2897	-	-	3253	-	-	
Moisture Removal			I/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	-	-	
	Outdoor(Cooling/Heating)	High	68/69	69/70	-	-	67/69	-	-	
Airflow Rate	Indoor / Outdoor	High	m³/h	1600/3600	1800/3800	1900/6750	2000/6750	1800/6200	1900/6900	2000/6900
Net Dimensions H x W x D Weight	Indoor	mm	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	
		kg(lbs)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	
	Outdoor	mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	
		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	
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	
Max Pipe Length (Pre-Charge)			m	50 (20)	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	-15 to 46	
	Heating		-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 × W × D)		mm	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	
	Weight		kg(lbs)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	

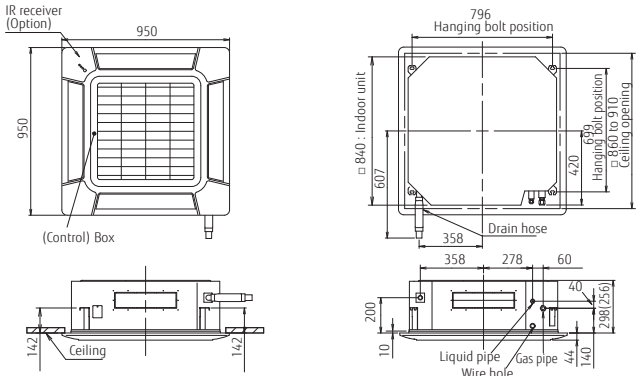
Optional parts

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



Dimensions

(Unit : mm)





Features

Unique Circular Flow design

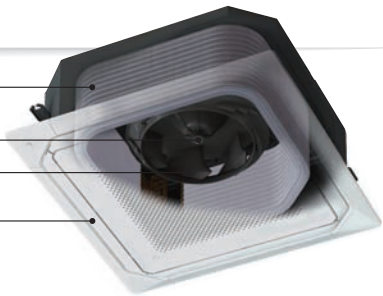
New Cassette type realizes Circular Flow to blow large airflow in 360° direction by mounting high performance DC fan motor, new turbo fan and unique seamless airflow louver design.

ø7mm high density heat exchanger

New DC fan motor

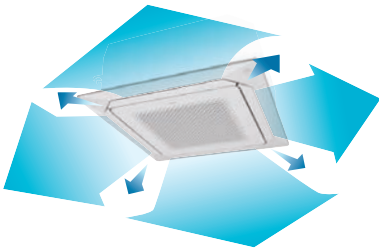
High efficient turbo fan

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.



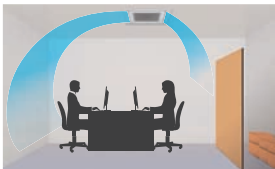
Individual louver control

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

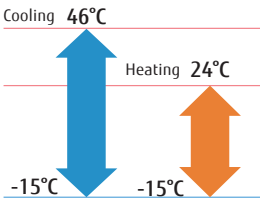
Power is saved while people are away.

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



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
Sound Power Level	Outdoor(Cooling/Heating)	High	64/62	68/68	67/69	68/70	68/68	69/71
Airflow Rate	Indoor / Outdoor	High	m³/h	1050/1900	1150/2460	1600/3600	1900/3800	2000/6750
Net Dimensions H x W x D Weight	Indoor	mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840
		kg(lbs)	24 (53)	24 (53)	26 (57)	26 (57)	29 (64)	29 (64)
	Outdoor	mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
		kg(lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	86 (189)
Connection Pipe Diameter (Liquid / Gas)			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.)			25/32	25/32	25/32	25/32	25/32	25/32
Max Pipe Length (Pre-Charge)			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
	Weight		kg(lbs)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)	6.0 (13)

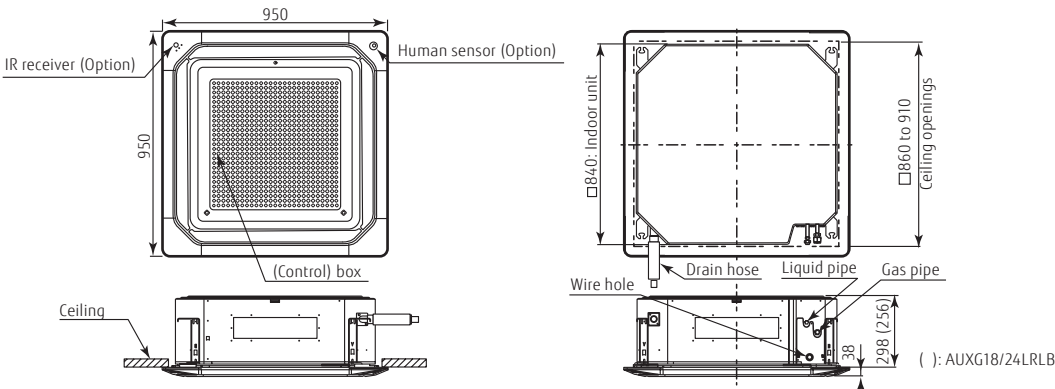
Optional parts

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



Dimensions

(Unit : mm)



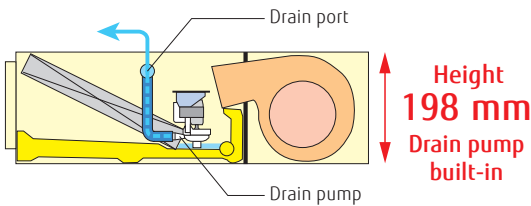
Slim Duct Slim & Comfort



Features

Slim design

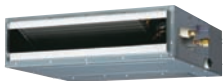
The slim design allows installations where ceilings are narrow.
Drain hose as standard accessory



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

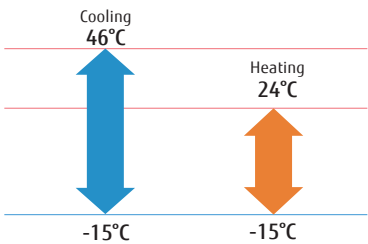
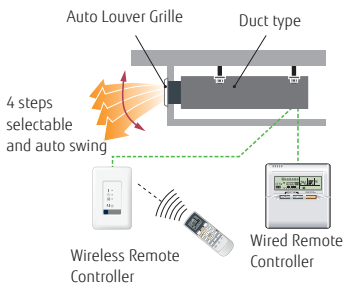
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa.
The change of static pressure range is possible by remote controller.



Static pressure range
0 to 90 Pa

Auto Louver Grille Kit (Option)

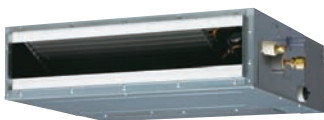
Simple flat Auto Louver will provide comfort airflow and harmonize with luxury interior.



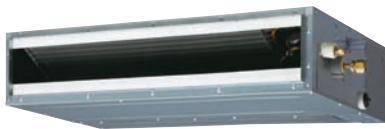
Model : ARYG12LLTB / ARYG14LLTB / ARYG18LLTB



Wired R.C.



ARYG12/14LLTB



ARYG18LLTB

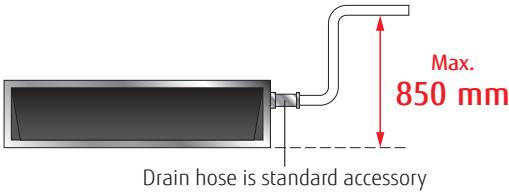


Specifications

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		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	W/W	3.33	3.21	3.21
COP	Heating		3.69	3.71	3.61
Pdesign	Cooling/Heating(-10°C)	kW	3.5/4.2	4.3/4.5	5.2/5.2
SEER	Cooling	W/W	5.90	5.80	6.20
SCOP	Heating		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		1467	1614	1774
Moisture Removal			l/h	1.3	1.5
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	29/28/26/25	32/30/29/27
	Indoor (Heating)	H/M/L/Q		29/28/26/24	32/30/28/25
	Outdoor(Cooling/Heating)	High		47/48	49/49
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	m³/h	650/1780	800/1910
Static pressure range (Standard)			Pa	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
Drain hose Diameter (I.D./O.D.)				25/32	25/32
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	-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	1,150	1,250	1,250

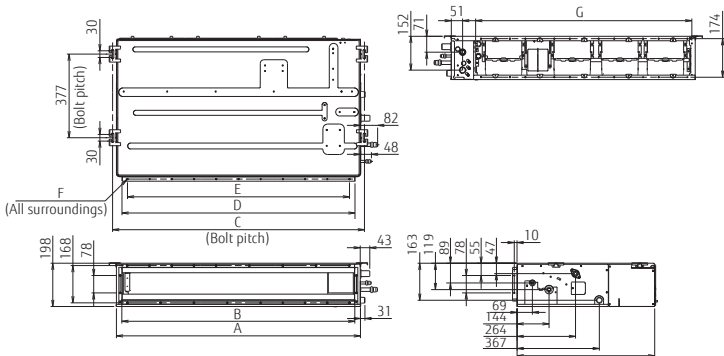
Optional parts

- 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-GXSA-W (For ARYG12 / 14LLTB)
UTD-GXSB-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

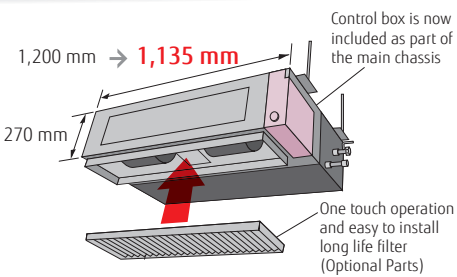
Medium Static Pressure Duct High Efficiency & Comfort



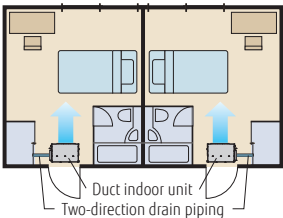
Features

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.



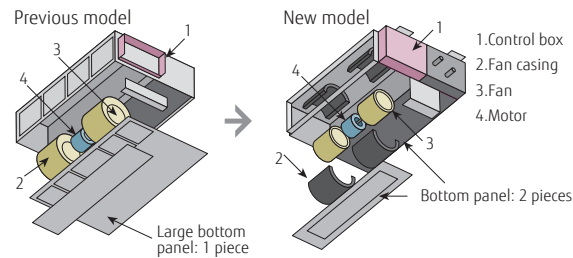
Two-direction drain piping



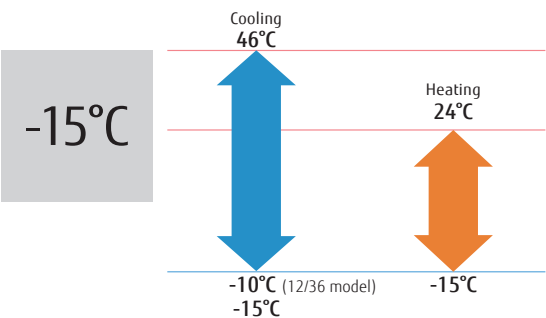
Easy maintenance

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 : ARYG24LMLA / ARYG30LMLE / ARYG36LMLE / ARYG45LMLA / ARYG36LMLA [3phase] / ARYG45LMLA [3phase]

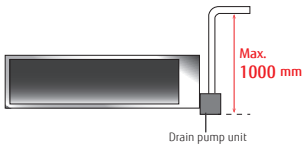


Specifications

Model No.	Indoor unit		ARYG24LMLA	ARYG30LMLE	ARYG36LMLE	ARYG45LMLA	ARYG36LMLA	ARYG45LMLA	
	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)	4.3 (0.9-5.4)	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)	5.0 (0.9-6.5)	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	1.33/1.34	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	3.71	3.90	3.61	
Pdesign	Cooling/Heating(-10°C)	kW	6.8/6.0	8.5/8.0	9.4/8.7	4.3/4.5	10.0/10.0	-	
SEER	Cooling	W/W	6.20	5.90	5.70	5.80	5.80	-	
SCOP	Heating		4.00	3.90	3.80	3.90	4.00	-	
Energy Efficiency Class	Cooling		A++	A+	A+	A+	A+	-	
	Heating		A+	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	259	603	-	
	Heating		2098	2868	3202	1614	3497	-	
Moisture Removal		l/h	2.5	2.5	3.0	1.5	3.0	4.5	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	31/29/27/25	39/35/30/26	39/35/30/26	32/30/28/26	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
	Outdoor(Cooling/Heating)	High		52/53	53/55	54/55	55/55	51/53	54/54
Sound Power Level	Indoor(Cooling/Heating)	High		60/62	65/69	65/70	-	65/67	-
	Outdoor(Cooling/Heating)	High		67/70	68/69	69/70	-	67/69	-
Airflow Rate	Indoor / Outdoor	High		m³/h	1100/2470	1900/3600	1900/3800	800/1910	1800/6200
Static pressure range (Standard)			Pa	30 to 150 (35)	30 to 150 (47)	30 to 150 (47)	0 to 90 (25)	30 to 150 (47)	30 to 150 (60)
Net Dimensions H x W x D Weight	Indoor	mm	270×1135×700	270×1135×700	270×1135×700	198×700×620	270×1135×700	270×1135×700	
		kg(lbs)	38 (84)	40 (88)	40 (88)	19 (42)	40 (88)	40 (88)	
		mm	578×790×315	830×900×330	830×900×330	578×790×300	1290×900×330	1290×900×330	
	Outdoor	kg(lbs)	44 (97)	61 (134)	61 (134)	40 (88)	104 (229)	104 (229)	
		mm	6.35/15.88	9.52/15.88	9.52/15.88	6.35/12.70	9.52/15.88	9.52/15.88	
Drain hose Diameter (I.D./O.D.)			35.7/38.1	35.7/38.1	35.7/38.1	25/32	35.7/38.1	35.7/38.1	
Max Pipe Length (Pre-Charge)			30 (15)	50 (20)	50 (20)	25 (15)	75 (30)	75 (30)	
Max Height Difference			20	30	30	15	30	30	
Operation Range	Cooling	°CDB	-10 to 46	-15 to 46	-15 to 46	-10 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)	R410A (2,088)	
	Charge	g	1,700	2,100	2,100	3,350	3,450	3,450	

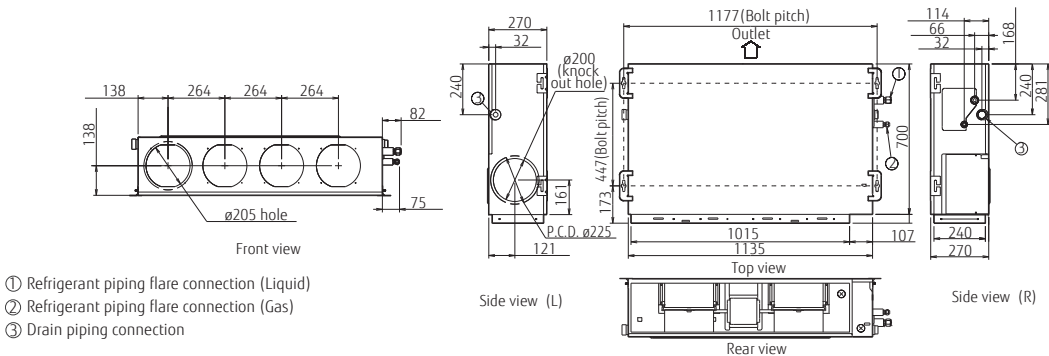
Optional parts

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

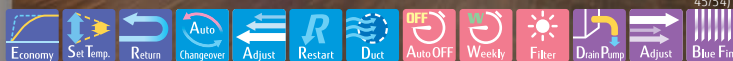
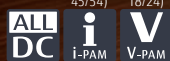


Dimensions

(Unit : mm)



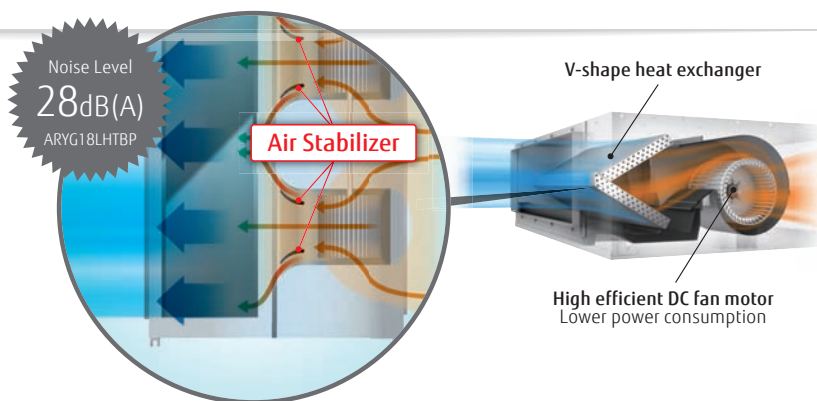
Medium Static Pressure Duct Compact & Comfort



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.



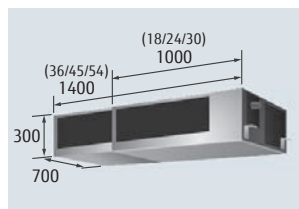
Automatic Airflow adjustment function

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.

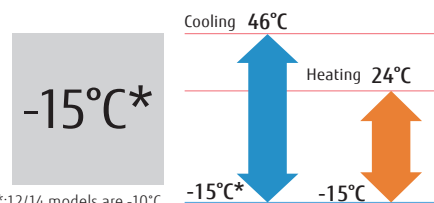


30 Pa 200 Pa
Short duct ↔ Long duct with dumper

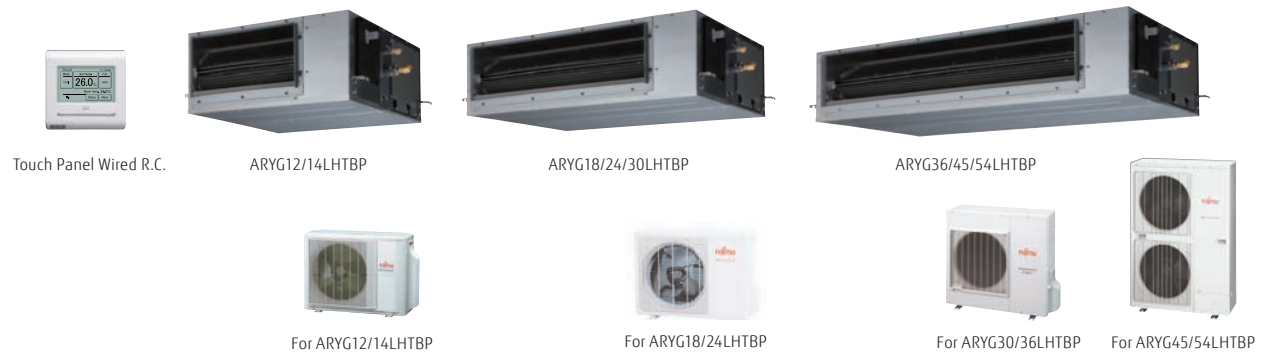
Improved service and maintenance

- 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



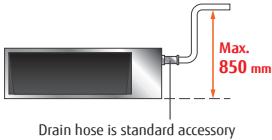
Specifications

Model No.	Indoor unit		ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP	
	Outdoor unit		AOYG12LBLA	AOYG14LBLA	AOYG18LBCA	AOYG24LBCA	AOYG30LBTA	AOYG36LBTA	AOYG45LBTA	AOYG54LBTA	
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		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	
EER	Cooling	W/W	3.89	3.64	3.80	3.49	3.21	3.32	3.37	3.03	
COP	Heating		4.10	4.00	4.05	3.62	3.70	3.65	3.87	3.46	
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	-	-	
SEER	Cooling	W/W	6.20	5.90	7.15	6.50	5.95	5.81	-	-	
SCOP	Heating (Average)		4.10	3.95	4.11	4.01	3.95	3.81	-	-	
Energy Efficiency Class	Cooling		A++	A+	A++	A++	A+	A+	-	-	
	Heating (Average)		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	
Annual Energy Consumption	Cooling	kWh/a	*	*	255	366	500	566	*	*	
	Heating		*	*	1462	2092	2833	3194	*	*	
Moisture Removal			l/h	*	*	1.2	1.8	2.3	2.0	2.6	3.7
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	32/30/25/22	33/28/27/23	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29	
	Indoor (Heating)	H/M/L/Q									
Sound Power Level	Outdoor(Cooling/Heating)	High	47/48	49/49	50/51	55/56	53/55	54/55	55/57	55/57	
	Indoor(Cooling/Heating)	High									
Sound Power Level	Outdoor(Cooling/Heating)	High	61/63	62/63	63/62	68/68	68/69	69/70	68/68	69/71	
	Indoor(Cooling/Heating)	High									
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 (60)	30 to 200 (60)	
Net Dimensions H x W x D Weight	Indoor		mm	300×700×700	300×700×700	300×1000×700	300×1000×700	300×1400×700	300×1400×700	300×1400×700	
			kg(lbs)	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)	46 (101)
	Outdoor		mm	578×790×300	578×790×300	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330
			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	
Drain hose Diameter (I.D./O.D.)				25/32	25/32	25/32	25/32	25/32	25/32	25/32	
Max Pipe Length (Pre-Charge)				25 (15)	25 (15)	30 (15)	30 (15)	50 (20)	50 (20)	50 (20)	
Max Height Difference			m	15	15	20	20	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		-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)	g	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		1,150	1,250	1,800	1,800	2,100	2,100	3,350	3,350	

*:That specification is not fixed yet.

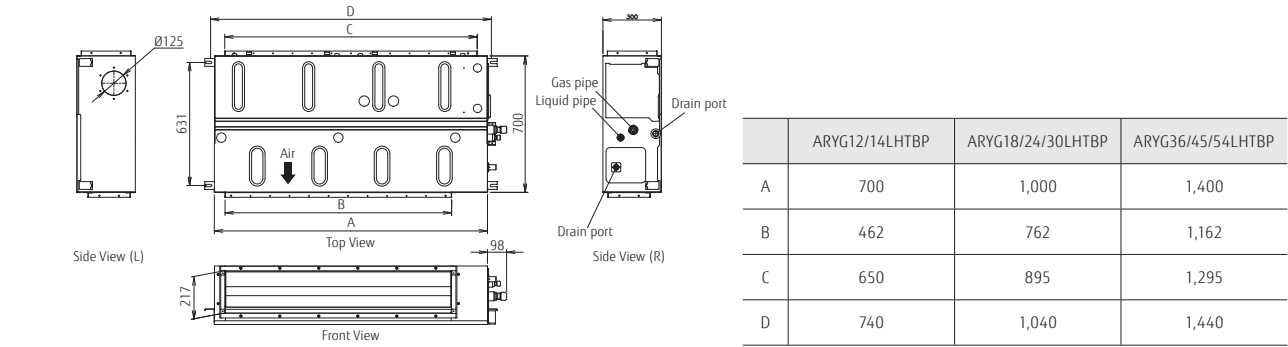
Optional parts

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-XSZX	
External connect kit: UTY-XWZXZG, UTY-XWZXZ3			



Dimensions

(Unit : mm)



High Static Pressure Duct

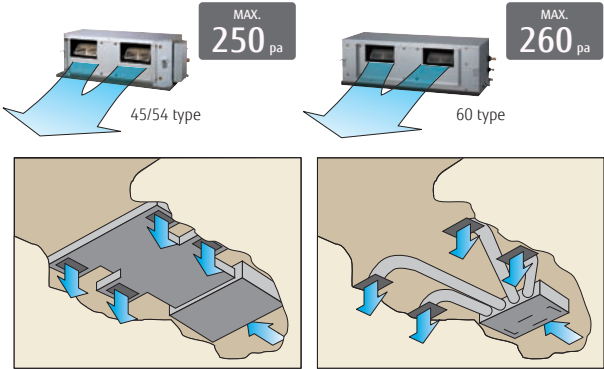


Features

High energy efficiency

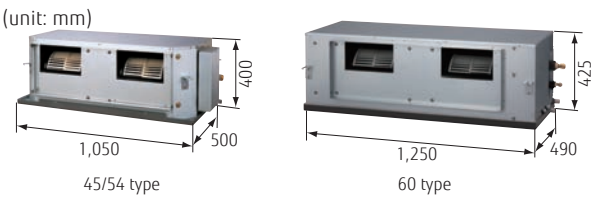
Significantly greater efficiency is realized by using all DC inverter technology. (60 type)

Design also corresponding to high static pressure



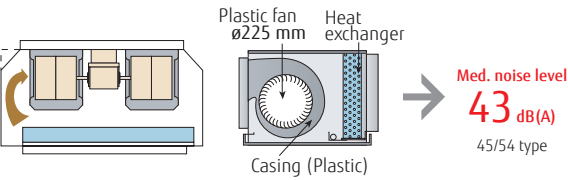
Easy installation (Compact size & Lightweight)

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

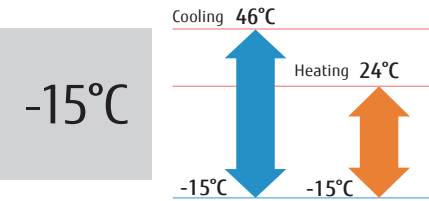


Low noise

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]



Specifications

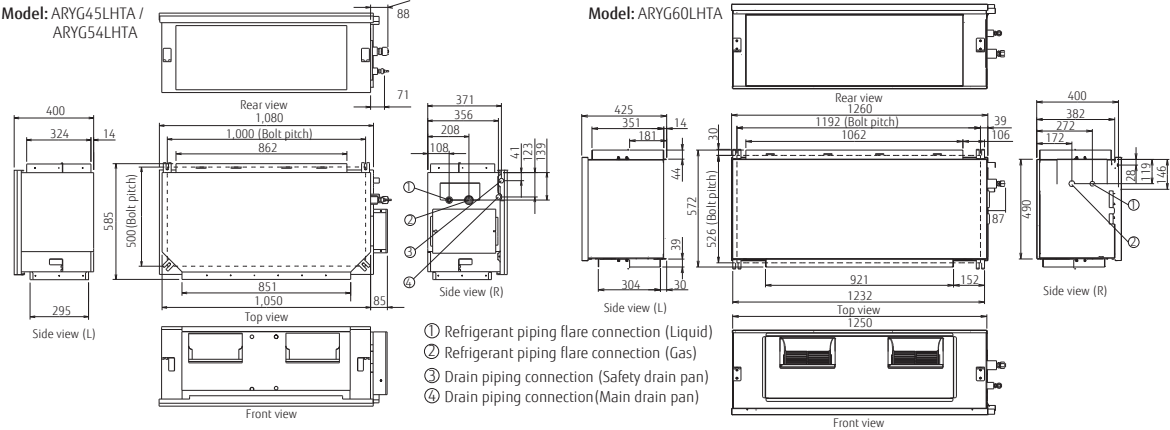
Model No.	Indoor unit		ARYG45LHTA		ARYG54LHTA		ARYG45LHTA		ARYG54LHTA		ARYG60LHTA		
	Outdoor unit		AOYG45LETL		AOYG54LETL		AOYG45LATT		AOYG54LATT		AOYG60LATT		
Power Source			Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz						
Capacity	Cooling		kW	12.5 (4.5-14.0)		13.4 (5.0-14.5)		12.5 (5.0-14.0)		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	dB(A)	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 Weight	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)		
	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.)				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				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)



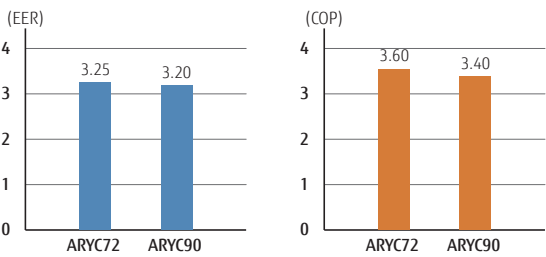
High Static Pressure Duct



Features

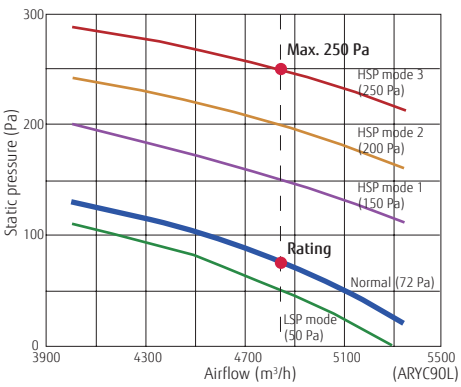
High energy efficiency

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.



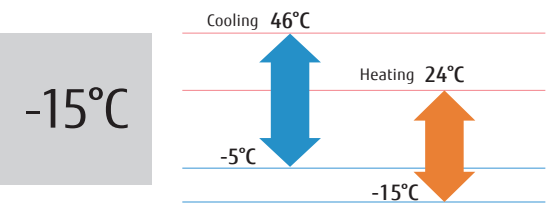
Outdoor unit quiet operation

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	W/W	3.25		3.20		
COP	Heating		3.60		3.40		
Max. Operating Current	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	m³/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 Weight	Indoor	mm	450×1587×700		550×1587×700		
		kg(lbs)	100 (220)		110 (242)		
	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

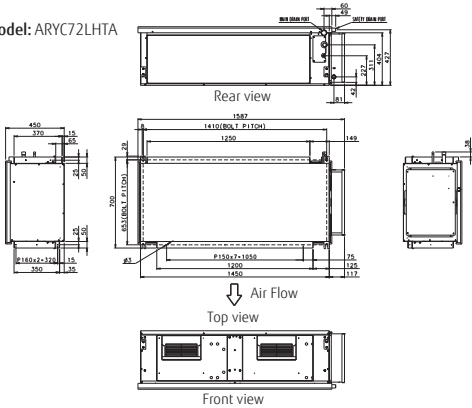
Simple Remote Controller: UTY-RSNYM

Remote Sensor Unit: UTY-XSZX

Dimensions

(Unit : mm)

Model: ARYC72LHTA



Model: ARYC90LHTA

