

SPLIT

























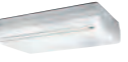






































Energy saving design to provide a comfortable indoor environment while being environment-friendly.

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							BTU						
		4	7	9	12	14	18	24	30	36	45	54	60	72	90
Wall Mounted Page 56 -	Designer Range Series High Spec & Design														
	Designer Range Series High COP														
	Standard Range Series High Efficiency & Comfort														
	NEW Standard Range Series New Design & Large Capacity														
	Standard Range Series Comfort for Large Room														
	ECO Range Series Compact & Comfort														
Floor Compact & Comfort Page 68															
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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															
Medium Static Pressure Duct High Efficiency & Comfort Page 82															
NEW Medium Static Pressure Duct Compact & Comfort Page 84															
High Static Pressure Duct Page 86 -															
															

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.
- 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.

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.
- Power diffuser**
An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.
- Powerful mode**
Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.
- 10°C HEAT operation**
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.
- 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.
- 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.
- 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.

- 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.
- Sleep timer**
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
- 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.
- External error output**
- 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 All DC models

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

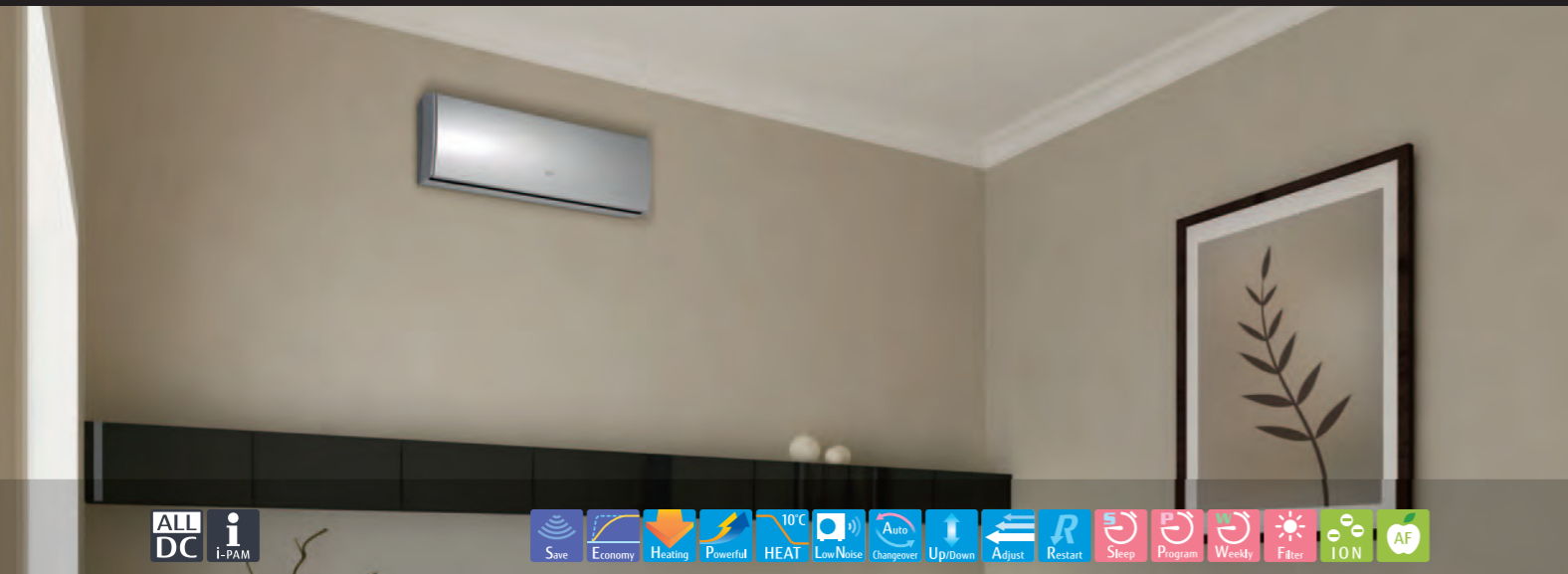
V-PAM V-PAM control models
V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology.

Feature Summary

	Wall Mounted	Floor	Floor/Ceiling	Ceiling	Compact Cassette	Cassette	Slim Duct	Medium Static Pressure Duct	High Static Pressure Duct
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) ○ (36LRTA)	○ (45/54)	○ (45) ○ (36LMLA)
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	○	○	○	○	○	○	○	○	○
External ON/OFF input	○	○	○	○	○	○	○	○	○
Filter sign	●	●	●	●	●	●	●	●	●
Clean Function									
Ion deodorization filter	●	●	●	●	●	●			
Apple-catechin filter	●	●	●	●	●	●			
Washable panel		●	●	●	●	●			
Installation									
Automatic airflow adjustment									●
Drain pump as standard									●
Blue fin		●	●	●	●	●	●	●	●

○: Optional function

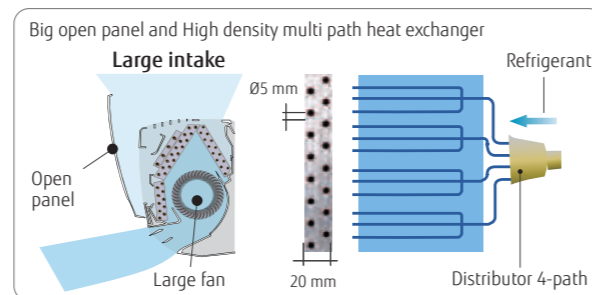
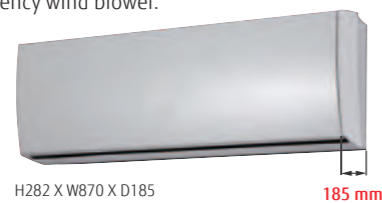
Wall Mounted Designer Range High Spec & Design



Features

Thin & Slim design

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



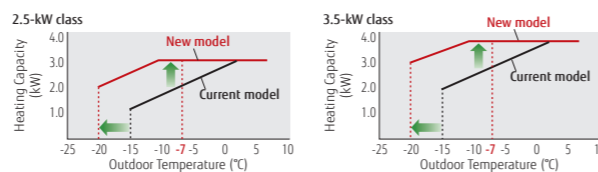
Human sensor

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.

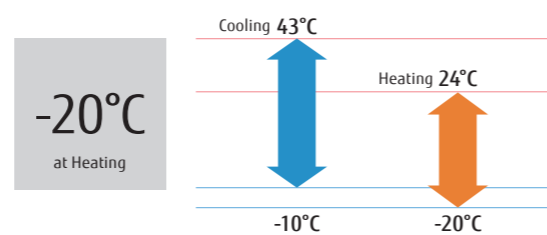


3 Mode timer (Weekly/Program/Sleep)

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

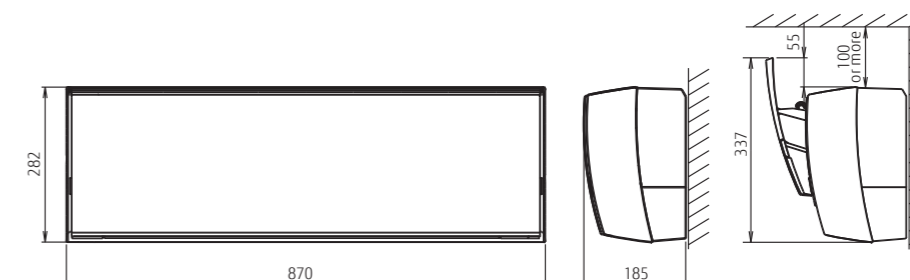
Model No.	Indoor unit		Outdoor unit		ASYG09LTCA	ASYG12LTCA
	Outdoor unit		AOYG09LTC		AOYG12LTC	
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			2.5 (0.9-3.5)	3.5 (1.1-4.0)
	Heating				3.2 (0.9-5.4)	4.0 (0.9-6.5)
Input Power	Cooling/Heating				0.505/0.660	0.850/0.910
EER	Cooling	W/W			4.95	4.12
	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)				42/37/32/21	43/38/32/21
Sound Power Level	Outdoor(Cooling/Heating)	High			48/50	48/49
	Indoor(Cooling/Heating)				59/61	60/62
Airflow Rate	Indoor / Outdoor	High			63/65	64/65
					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)



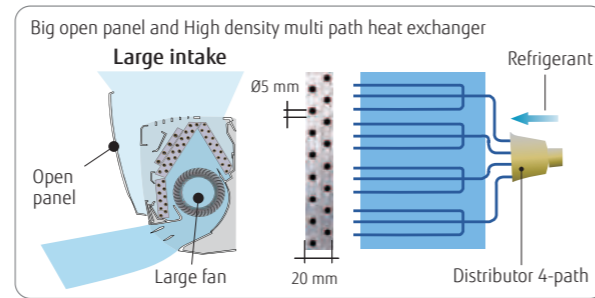
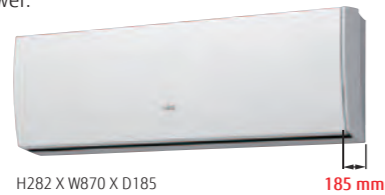
Wall Mounted Designer Range High COP



Features

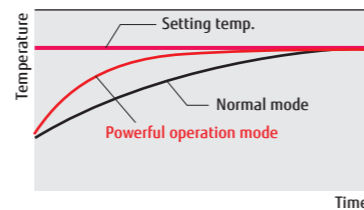
Thin & Slim design

Thin and slim design is realized by 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.



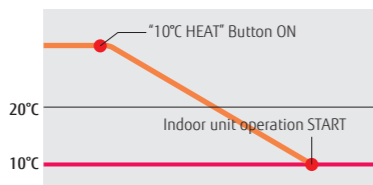
3 Mode timer (Weekly/Program/Sleep)

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.

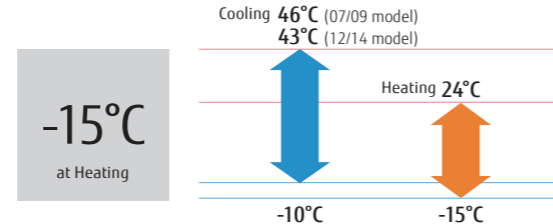


10°C HEAT Operation

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

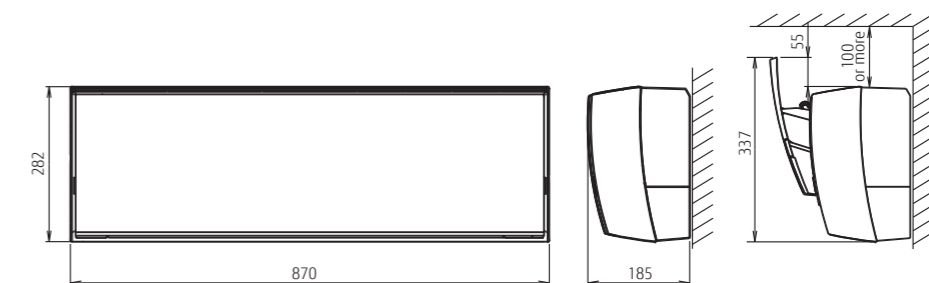
Model No.	Indoor unit		ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
	Outdoor unit		AOYG07LUCB	AOYG09LUCB	AOYG12LUC	AOYG14LUC
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.5 (0.9-4.0)	4.2 (0.9-5.0)
	Heating	kW	3.0 (0.5-4.0)	3.2 (0.5-4.2)	4.0 (0.9-5.6)	5.4 (0.9-6.0)
Input Power	Cooling/Heating		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
	Heating	W/W	4.55	4.71	4.30	3.91
Pdesign	Cooling/Heating(-10°C)		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
	Heating (Average)	W/W	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
	Cooling	kWh/a	97	123	174	217
Annual Energy Consumption	Cooling	kWh/a	887	956	1363	1677
	Heating	kWh/a	1.0	1.3	1.8	2.1
Moisture Removal	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
Sound Pressure 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
	Indoor / Outdoor	High	680/1,720	800/1,720	850/1,940	900/1,940
Airflow Rate	Indoor	m³/h	282*870*185	282*870*185	282*870*185	282*870*185
	Outdoor	kg(lbs)	9.5 (21)	9.5 (21)	9.5 (21)	9.5 (21)
Net Dimensions H x W x D	Indoor	mm	540*660*290	540*660*290	540*790*290	540*790*290
	Outdoor	kg(lbs)	23 (51)	25 (55)	33 (73)	34 (75)
Weight	Indoor	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
	Outdoor	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
Connection Pipe Diameter (Liquid / Gas)		mm	20 (15)	20 (15)	20 (15)	20 (15)
Drain hose Diameter (I.D./O.D.)		m	15	15	15	15
Max Pipe Length (Pre-Charge)		°CDB	-10 to 46	-10 to 46	-10 to 43	-10 to 43
Operation Range	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24
	Heating	g	700	850	1,050	1,050
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge					

Optional parts

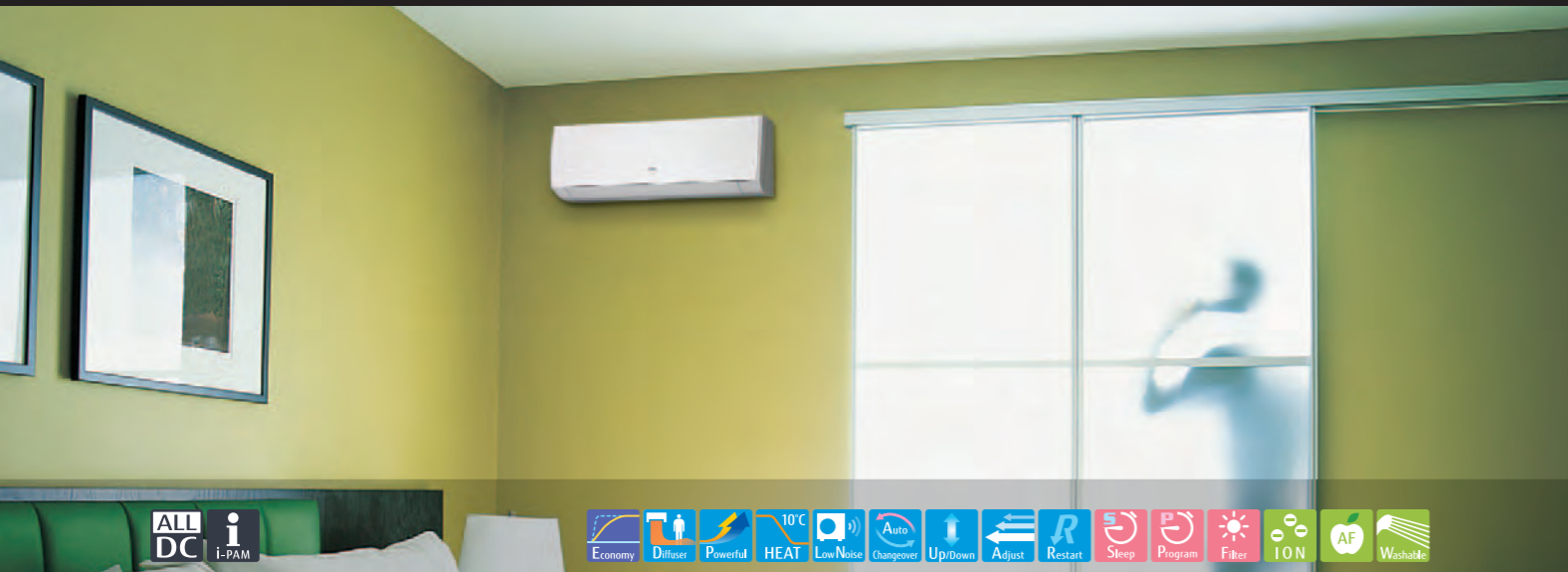
- Wired Remote Controller: UTY-RNNYM, UTY-RVNYM
- Simple Remote Controller: UTY-RSNYM
- Communication kit: UTY-TWBXF

Dimensions

(Unit : mm)

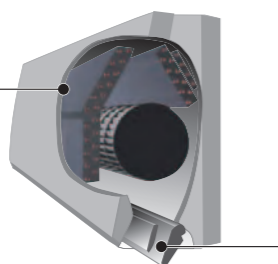
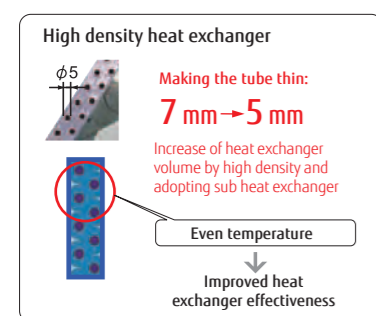


Wall Mounted Standard Range High Efficiency & Comfort

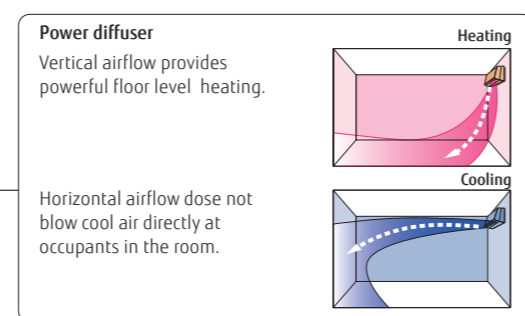


Features

High efficient compact design

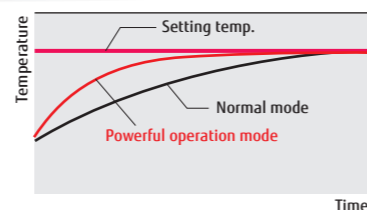


More comfort airflow



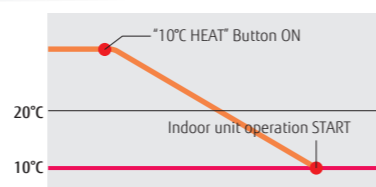
Powerful operation

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



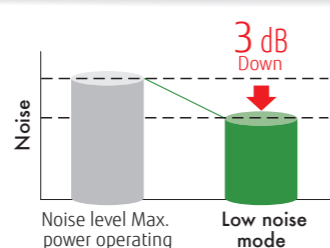
10°C HEAT Operation

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

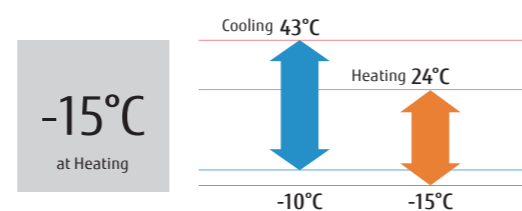


Low noise mode for outdoor unit

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

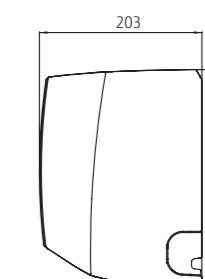
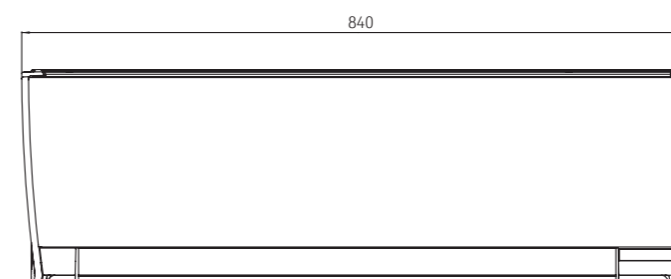
Model No.	Indoor unit		ASYG07LMCA	ASYG09LMCA	ASYG12LMCA	ASYG14LMCA
	Outdoor unit		AOYG07LMCA	AOYG09LMCA	AOYG12LMCA	AOYG14LMCA
Power Source			Single-phase, ~230V, 50Hz			
Capacity	Cooling	kW	2.0 (0.5-3.0)	2.5 (0.5-3.2)	3.4 (0.9-3.9)	4.0 (0.9-4.4)
	Heating		3.0 (0.5-3.4)	3.2 (0.5-4.0)	4.0 (0.9-5.3)	5.0 (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++				
	Heating (Average)	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			
	Indoor (Heating)		43/38/33/22			
Sound Power Level	Outdoor(Cooling/Heating)	High	45/45			
	Indoor(Cooling/Heating)		59/59			
Airflow Rate	Indoor / Outdoor	High	750/1670			
	Net Dimensions H x W x D		268×840×203			
Weight	Indoor	8.5 (19)				
	Outdoor	535×663×293				
Connection Pipe Diameter (Liquid / Gas)	mm		6.35/9.52			
Drain hose Diameter (I.D./O.D.)	mm		13.8/15.8 to 16.7			
Max Pipe Length (Pre-Charge)	m		20 (15)			
Max Height Difference	m		15			
Operation Range	Cooling	°CDB	-10 to 43			
	Heating		-15 to 24			
Refrigerant	Type (Global Warming Potential)	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)





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

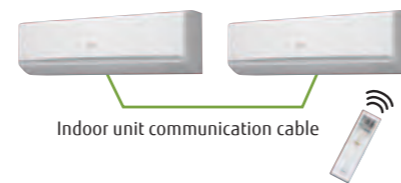
Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to previous operating mode.



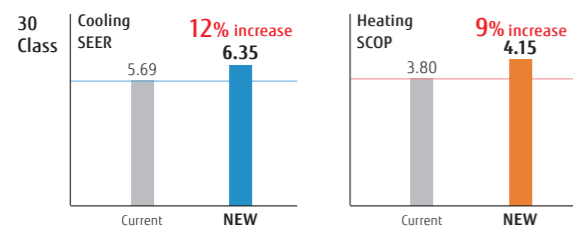
Server room function*

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.

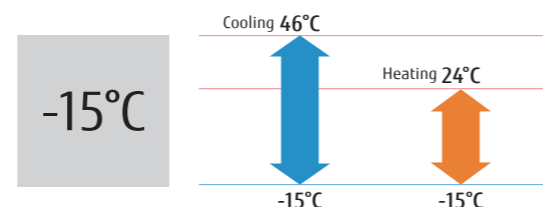
- **Alternative operation:** Two units operate alternately
- **Backup operation:** When 1 unit breaks down, the other unit starts operating automatically.
- **Supporting operation:** Both units operate simultaneously when the loaded capacity is not enough with one unit



High seasonal energy efficiency



Low ambient operation



Model: ASYG30LMTA / ASYG36LMTA



Wireless R.C.



Specifications

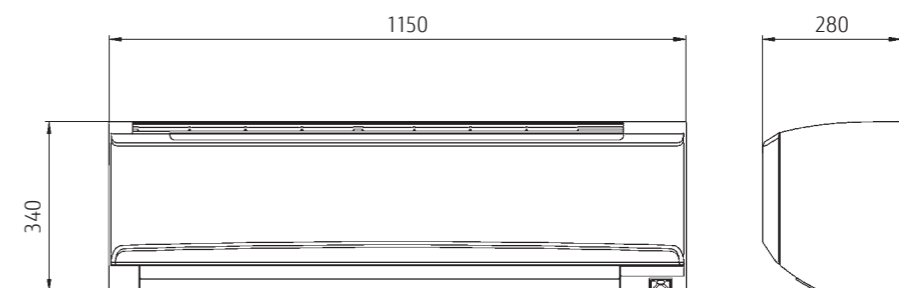
Model No.	Indoor unit		Outdoor unit		ASYG30LMTA	ASYG36LMTA
					AOYG30LMTA	AOYG36LMTA
Power Source	Single-phase, ~230V, 50Hz					
Capacity	Cooling	kW			8.0 (2.9-9.0)	9.4 (2.9-10.0)
	Heating				8.8 (2.2-11.0)	10.1 (2.7-11.2)
Input Power	Cooling/Heating	kW			2.33/2.41	3.16/2.96
EER	Cooling		W/W			3.43
	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
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
	Heating			2,193	2,373	
Moisture Removal					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	dB(A)			52/55
Sound Power Level	Indoor(Cooling/Heating)	High				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	Indoor		mm		340×1150×280	340×1150×280
			kg(lbs)		18 (40)	18 (40)
Weight	Outdoor		mm		830×900×330	830×900×330
			kg(lbs)		61 (134)	61 (134)
Connection Pipe Diameter (Liquid / Gas)			mm		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			m		30	30
Operation Range	Cooling			°CDB		-15 to 46
	Heating					-15 to 24
Refrigerant	Type (Global Warming Potential)			g		R410A (2,088)
	Charge					2,100

Optional parts

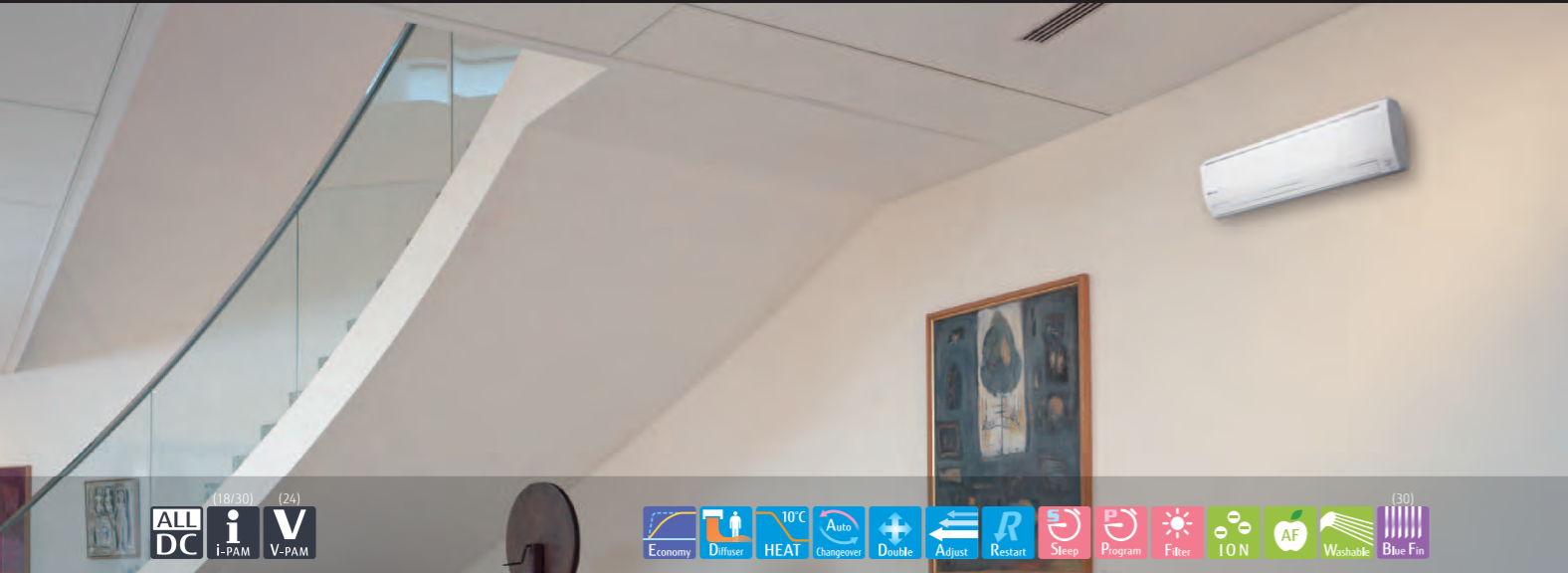
- Wired Remote Controller (Touch panel (two-wire)): UTY-RNRYZ1 + UTY-TWRX
- Wired Remote Controller (High grade (three-wire)): UTY-RVNYM + UTY-XWNX
- Wired Remote Controller (two-wire): UTY-RLRY + UTY-TWRX
- Wired Remote Controller(three-wire): UTY-RNNYM + UTY-XWNX
- Simple Remote Controller (three-wire):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

Dimensions

(Unit : mm)

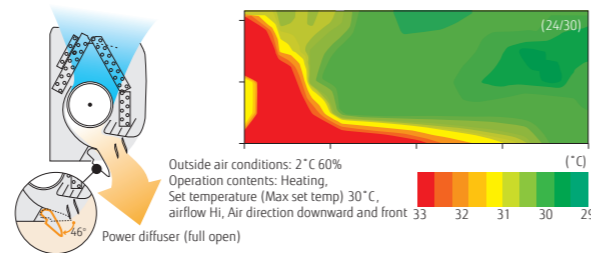


Wall Mounted Standard Range Comfort for Large Room

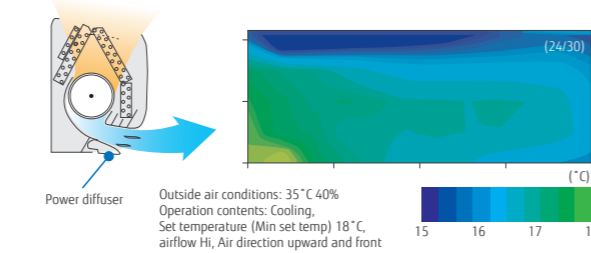


Features

“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

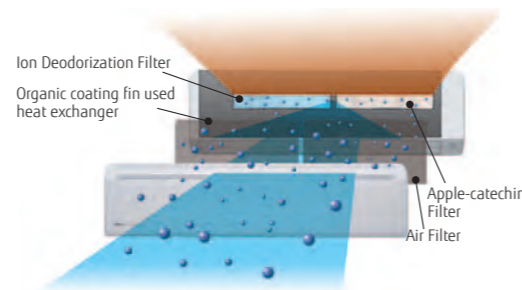
Ion Deodorization Filter

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

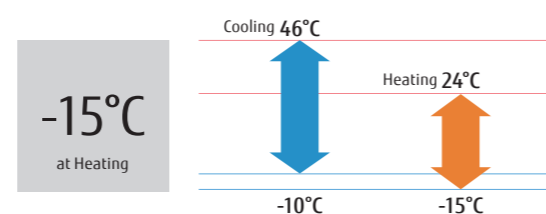
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.



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



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)
	Heating	kW	6.3 (0.9-9.1)	8.0 (0.9-10.6)
Input Power	Cooling/Heating		1.52/1.71	2.20/2.21
	Cooling	W/W	3.42	3.23
EER	Cooling		3.42	3.23
	Heating		3.68	3.61
COP	Cooling/Heating(-10°C)		5.2/5.9	7.1/7.1
	Cooling		6.94	6.11
SEER	Cooling		6.94	6.11
	Heating (Average)		3.87	3.80
SCOP	Cooling		A++	A++
	Heating (Average)		A	A
Energy Efficiency Class	Cooling/Heating		9.0/12.5	13.5/18.5
	Cooling	kWh/a	262	406
Max. Operating Current	Cooling		2130	2941
	Heating		2130	2941
Annual Energy Consumption	Cooling		2.6	2.7
	Heating		2.6	2.7
Moisture Removal	Indoor (Cooling)	H/M/L/Q	43/37/33/26	49/42/37/32
	Indoor (Heating)	H/M/L/Q	42/37/33/25	48/42/37/32
Sound Pressure Level	Outdoor(Cooling/Heating)	High	50/51	55/56
	Indoor(Cooling/Heating)	High	58/58	64/64
Sound Power Level	Outdoor(Cooling/Heating)	High	65/-	68/-
	Indoor / Outdoor	High	900/2150	1120/2460
Airflow Rate	Indoor		320×998×238	320×998×238
	Outdoor		620×790×290	830×900×330
Net Dimensions H x W x D	Indoor		14 (31)	14 (31)
	Outdoor		41 (90)	61 (135)
Weight	Indoor		6.35/12.7	6.35/15.88
	Outdoor		12/16	12/16
Connection Pipe Diameter (Liquid / Gas)	Indoor		25 (15)	30 (15)
	Outdoor		20	30
Drain hose Diameter (I.D./O.D.)	Cooling		-10 to 46	-10 to 46
	Heating		-15 to 24	-15 to 24
Max Pipe Length (Pre-Charge)	Cooling		R410A (2,088)	R410A (2,088)
	Heating		R410A (2,088)	R410A (2,088)
Max Height Difference	Type (Global Warming Potential)		1,200	1,800
	Charge		1,200	2,100

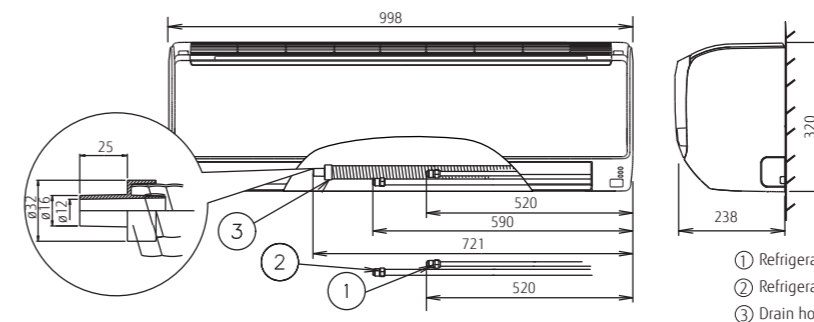
Optional parts

Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

Dimensions

(Unit : mm)



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

Wall Mounted ECO Range Compact & Comfort



Model: ASYG07LLCC / ASYG09LLCC / ASYG12LLCC



Wireless R.C.

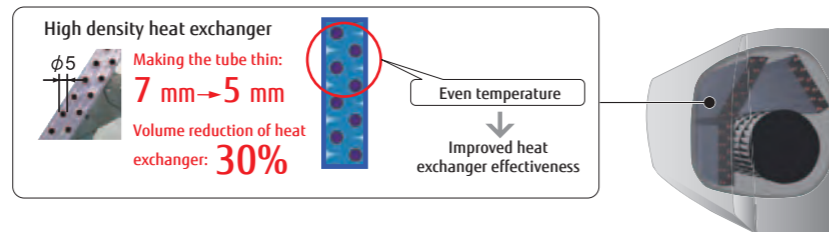


Specifications

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	kW	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	4.26	3.42	3.15	
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		6.70	6.90	6.60	
	Heating (Average)		4.00	4.00	3.80	
SCOP	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	
	Indoor (Cooling)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22	
Sound Pressure Level	Indoor (Heating)	H/M/L/Q	43/38/33/22	43/38/33/22	43/38/33/22	
	Outdoor(Cooling/Heating)	High	47/48	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		720/1,670	720/1,670	720/1,830	
	Indoor		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	Outdoor		kg(lbs)	24 (53)	24 (53)	26 (57)
	Connection Pipe Diameter (Liquid / Gas)		mm	6.35/9.52	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	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		°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	650	650	850

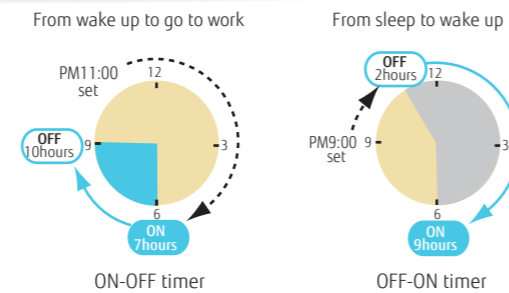
Features

High efficient compact design



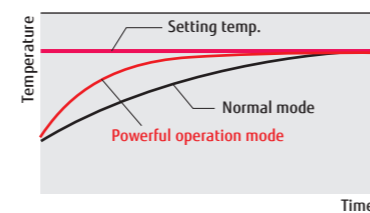
ON-OFF Programmable timer

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)



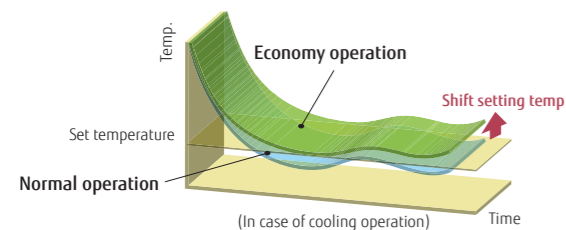
Powerful operation

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

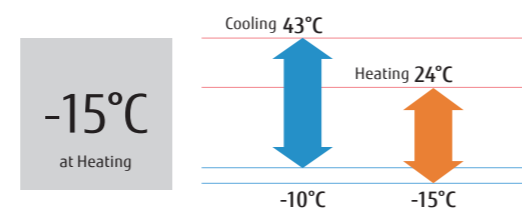


Economy operation

Setting temp. is shifted by 1°C automatically.



Low ambient operation

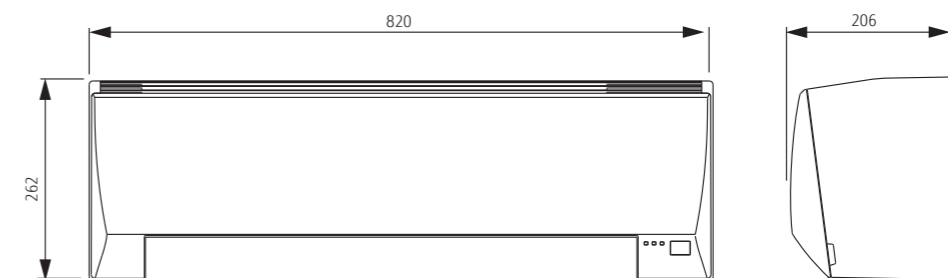


Optional parts

Remote Controller Holder: UTZ-RXLA

Dimensions

(Unit : mm)



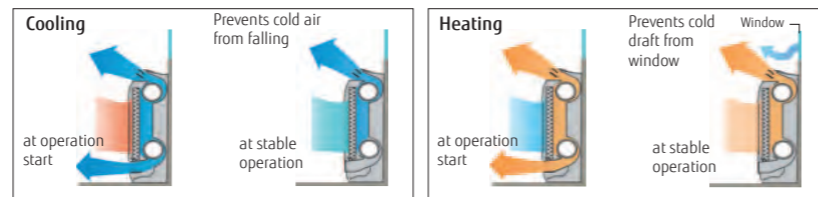
Floor Compact & Comfort



Features

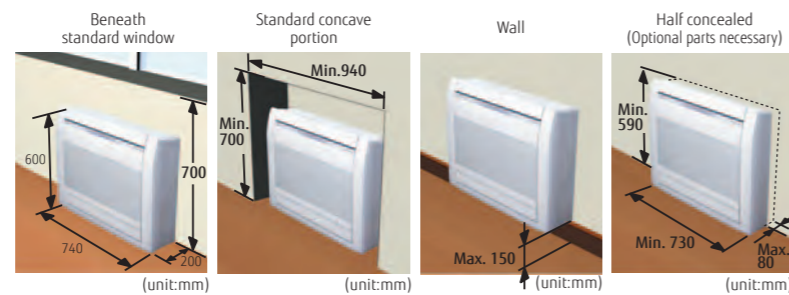
2-Fan & Wide airflow

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



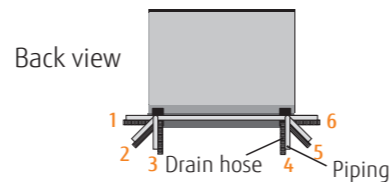
Flexible & easy installation

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.



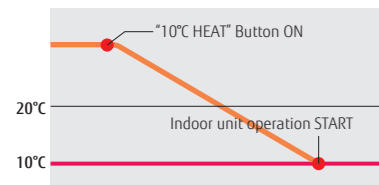
Flexible piping connection 6 direction of drain & piping

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

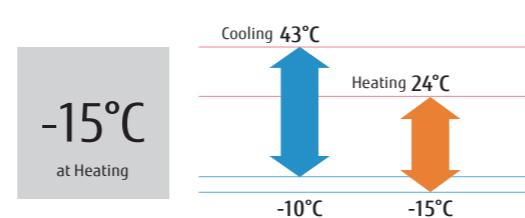


10°C HEAT Operation

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		4.91	3.72	3.68
COP	Heating	W/W	4.43	3.78	3.61
	Pdesign		Cooling/Heating(-10°C)	2.6/2.9	3.5/3.8
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++	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		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
	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
Airflow Rate	Indoor / Outdoor	High	m³/h	570/1680	570/1680
			mm	600×740×200	600×740×200
Net Dimensions H x W x D	Indoor	kg(lbs)	14 (31)	14 (31)	14 (31)
	Outdoor		540×790×290	540×790×290	578×790×300
Weight	Indoor	kg(lbs)	36 (79)	36 (79)	40 (88)
	Outdoor		6.35/9.52	6.35/9.52	6.35/12.7
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)		m	15	15	15
Max Height Difference			°CDB	-10 to 43	-10 to 43
Operation Range	Cooling	°CDB	-15 to 24	-15 to 24	-15 to 24
	Heating				
Refrigerant	Type (Global Warming Potential)	g	R410A (2,088)	R410A (2,088)	R410A (2,088)
	Charge		1,050	1,050	1,150

Optional parts

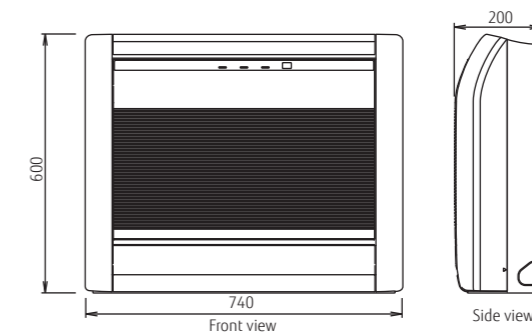
Wired Remote Controller: UTY-RNNYM, UTY-RVNYM

Simple Remote Controller: UTY-RSNYM

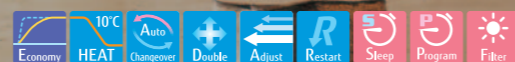
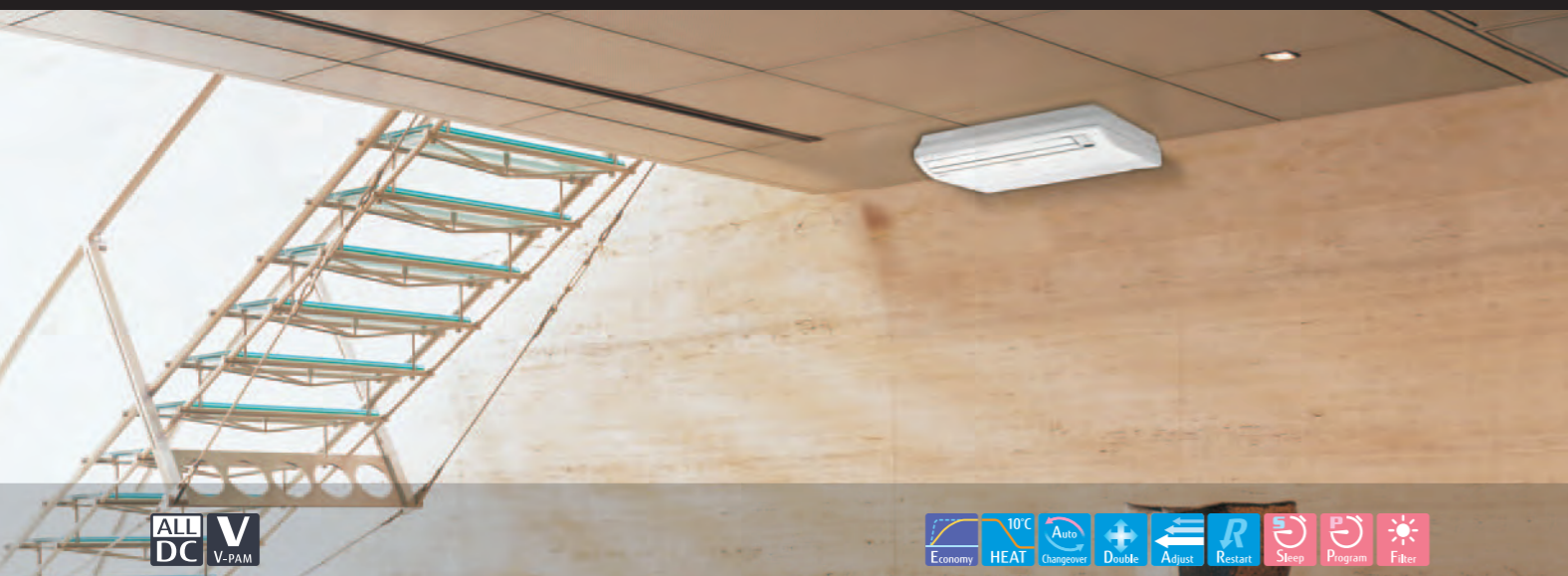
Half Concealed Kit: UTR-STA

Dimensions

(Unit : mm)



Floor/Ceiling Comfort & Dual Design



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	kW	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	
	Cooling	W/W	3.21		3.08	
COP	Heating	W/W	3.61		3.54	
	Cooling/Heating(-10°C)	kW	5.2/5.2		6.8/6.0	
SEER	Cooling	W/W	6.10		5.60	
	Heating (Average)	W/W	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	
	Cooling	kWh/a	298		425	
Annual Energy Consumption	Heating	kWh/a	1819		2150	
	Moisture Removal	l/h	2.0		2.7	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	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	780/2000		980/2470
Net Dimensions H x W x D	Indoor	mm	199×990×655		199×990×655	
	Outdoor	kg(lbs)	27 (59)		27 (59)	
Weight	Indoor	mm	578×790×300		578×790×315	
	Outdoor	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		m	15		20	
Operation Range	Cooling	°CDB	-10 to 46		-10 to 46	
	Heating	°CDB	-15 to 24		-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)		R410A (2,088)	
	Charge	g	1,250		1,700	

Features

Flexible installation

Example for floor installation

Floor console



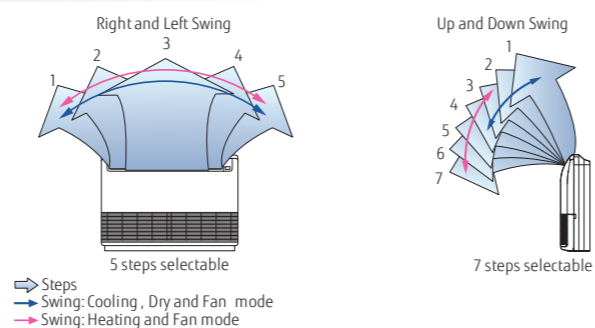
Example for ceiling installation

Under ceiling



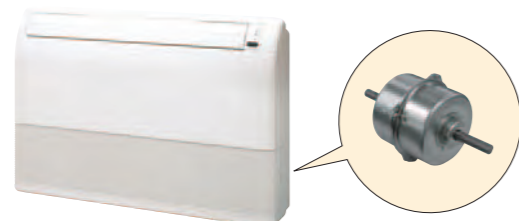
Double auto swing

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

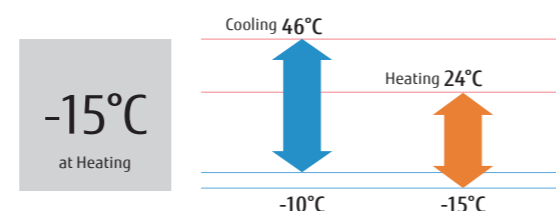


High power DC fan motor

- High power
- Wide rotation range
- High efficiency



Low ambient operation



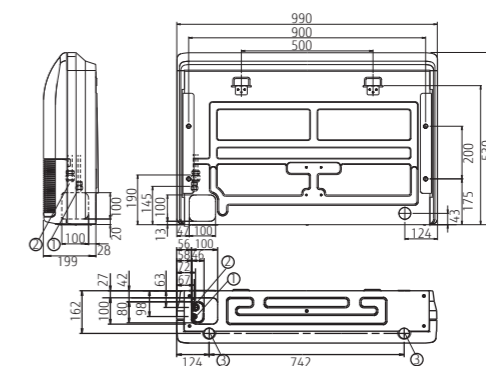
Optional parts

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



Single phase

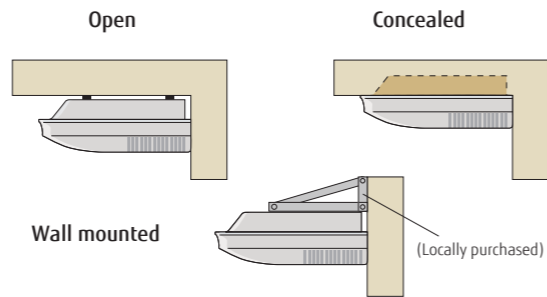
ALL DC i I-PAM

Economy 10°C Auto Changeover Double Adjust Restart Duct Sleep Program Filter Blue Fin (45)

Features

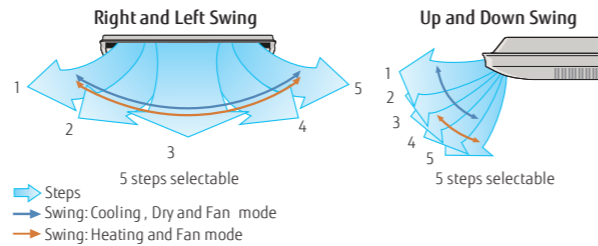
Flexible installation

Various installations are possible to match the room layout.

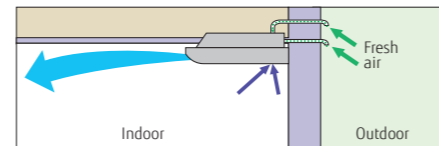


Multi auto swing

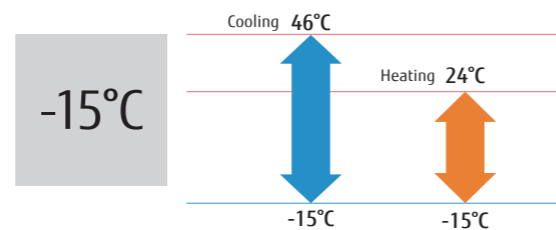
A combination of right/left and up/down directional swing allows 3-dimensional air direction control.



Fresh air intake



Low ambient operation



Model : **ABYG30LRTE / AYG36LRTE / AYG45LRTA / AYG36LRTA [3phase] / AYG45LRTA [3phase] / AYG54LRTA [3phase]**



Wireless R.C.



For AYG30/36LRTE



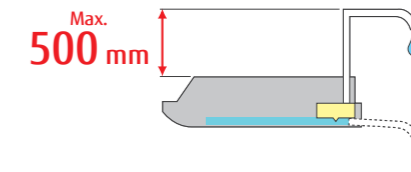
For AYG36/45/54LRTA

Specifications

Model No.	Indoor unit			Outdoor unit				
	ABYG30LRTE	ABYG36LRTE	ABYG45LRTA	AOYG30LETL	AOYG36LETL	AOYG45LETL		
Power Source	Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz				
Capacity	Cooling	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	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	3.21	3.21	3.21	3.52	3.21	3.01	
	Heating	3.61	3.71	3.61	3.90	3.61	3.43	
COP	Cooling/Heating(-10°C)	8.5/8.0	9.4/8.7	-	10.0/10.0	-	-	
Pdesign	Cooling	6.10	6.00	-	6.10	-	-	
SEER	Heating	4.20	4.10	-	4.10	-	-	
SCOP	Cooling	A++	A+	-	A++	-	-	
Energy Efficiency Class	Heating	A+	A+	-	A+	-	-	
Max. Operating Current	Cooling/Heating	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	487	548	-	573	-	-	
	Heating	2662	2965	-	3414	-	-	
Moisture Removal		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
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
	Outdoor	kg(lbs)	46 (101)	46 (101)	46 (101)	46 (101)	46 (101)	48 (106)
Weight	Indoor	mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
	Outdoor	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	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		m	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	°CDB	-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

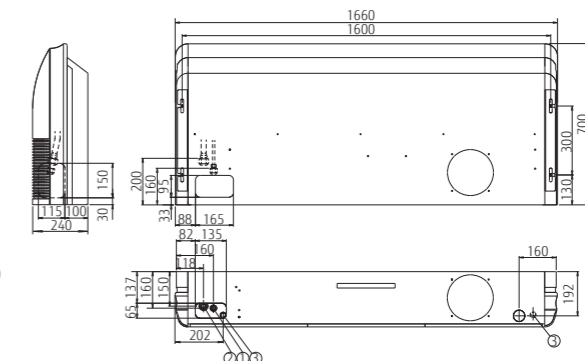
Optional parts

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



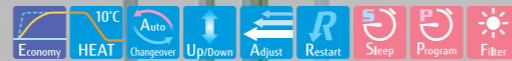
Dimensions

(Unit : mm)



- Refrigerant piping flare connection (Liquid)
- Refrigerant piping flare connection (Gas)
- Drain piping connection

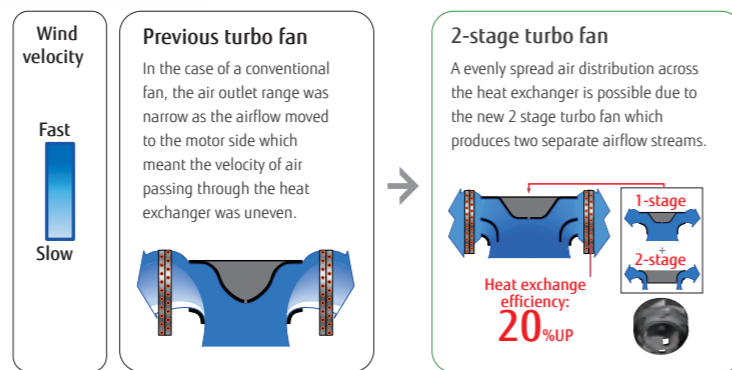
Compact Cassette 4-way Flow Compact & Comfort



Features

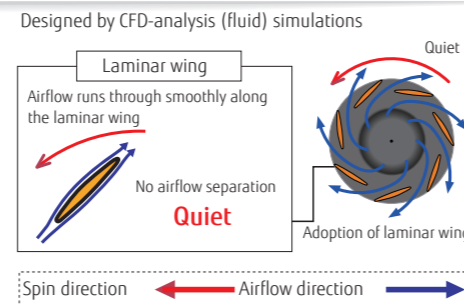
2-stage turbo fan

High efficiency design by 2 stage structure



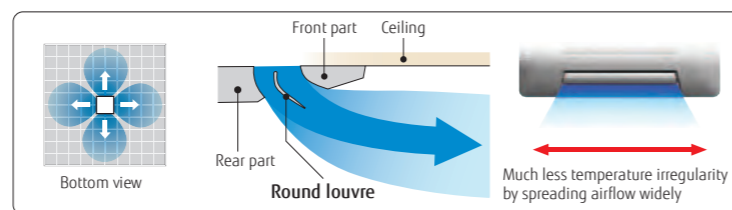
Quiet quality

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

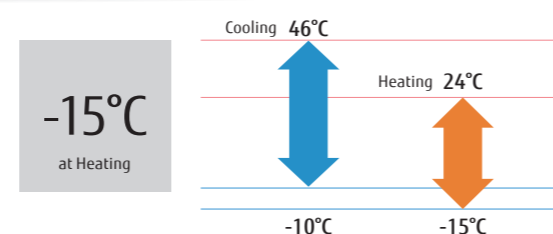


Improvement of the airflow distribution

New louvre: The louvre design distributes air leaving a space between the chassis and the ceiling allowing for wide 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	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	kW	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	W/W	3.69	3.71	3.61	3.54
	Heating	W/W	3.5/4.2	4.3/4.5	5.2/5.2	6.8/6.0
Pdesign	Cooling/Heating(-10°C)	kW	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	m³/h	600/1780	680/1910	680/2000
Net Dimensions H x W x D	Indoor	mm	245×570×570	245×570×570	245×570×570	245×570×570
	Outdoor	kg(lbs)	15 (33)	15 (33)	15 (33)	16 (35)
Weight	Indoor	mm	578×790×300	578×790×300	578×790×300	578×790×315
	Outdoor	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		m	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)

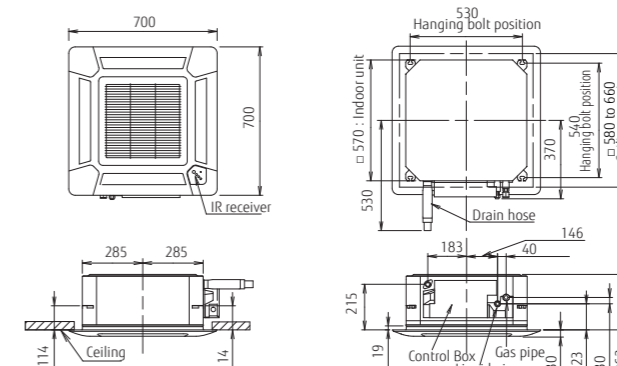
Optional parts

- 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



Single phase

ALL DC i-PAM

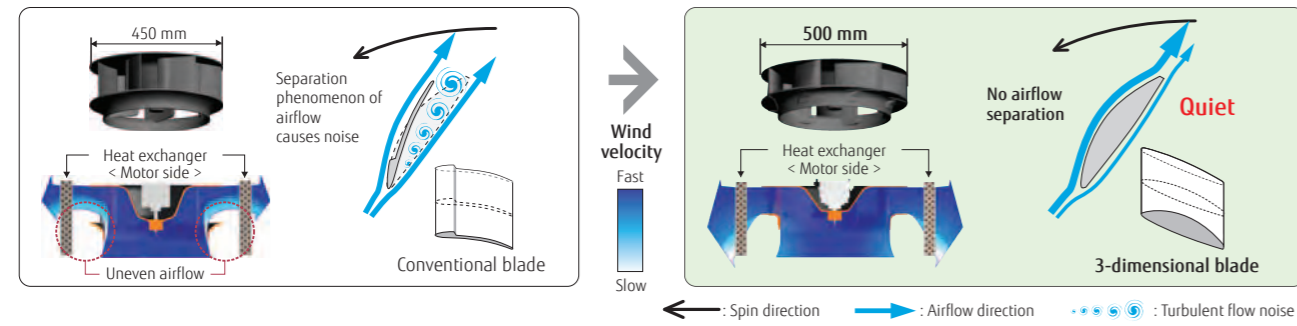
Economy Changeover Up/Down Adjust Restart Duct Distributing +Setback Filter Blue Fin

Features

High efficiency turbo fan with 3-dimensional blade

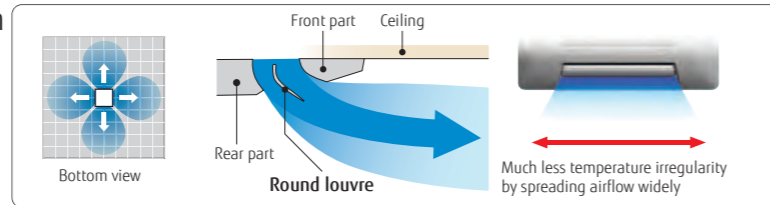
Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

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.



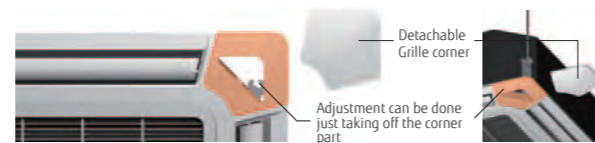
Improvement of the airflow distribution

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

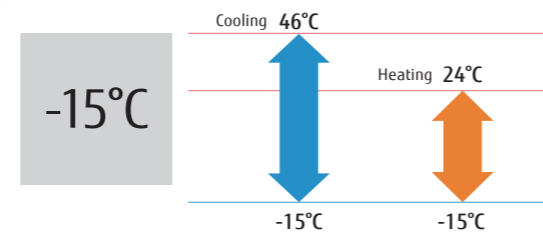


Adjustment of hanger position is possible after installation

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]



Wired R.C.



For AUYG30/36LRLE



For AUYG36/45/54LRLA

Specifications

Model No.	Indoor unit				Outdoor unit				
	AUYG30LRLE	AUYG36LRLE	AUYG45LRLA	AUYG54LRLA	AUYG36LRLA	AUYG45LRLA	AUYG54LRLA		
	AUYG30LETL	AUYG36LETL	AUYG45LETL	AUYG54LETL	AUYG36LATT	AUYG45LATT	AUYG54LATT		
Power Source	Single-phase, ~230V, 50Hz				3-phase, ~400V, 50Hz				
Capacity	Cooling	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	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	
		3.21	3.21	3.22	3.01	4.10	3.53	3.21	
EER	Cooling	3.21	3.21	3.22	3.01	4.10	3.53	3.21	
	Heating	3.61	3.71	3.71	3.41	4.38	3.91	3.61	
Pdesign	Cooling/Heating(-10°C)	8.5/8.0	10.0/8.7	-	-	10.0/10.0	-	-	
		6.50	6.30	-	-	6.50	-	-	
SEER	Cooling	6.50	6.30	-	-	6.50	-	-	
	Heating (Average)	4.30	4.20	-	-	4.30	-	-	
SCOP	Cooling	A++	A++	-	-	A++	-	-	
	Heating (Average)	A+	A+	-	-	A+	-	-	
Max. Operating Current	Cooling/Heating	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	
		458	555	-	-	538	-	-	
Annual Energy Consumption	Cooling	2604	2897	-	-	3253	-	-	
	Heating	2.5	3.5	4.5	5.0	3.0	4.5	5.0	
Moisture Removal	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 Pressure 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	-	-
Sound Power Level	Outdoor (Cooling/Heating)	High	68/69	69/70	-	-	67/69	-	-
	Indoor (Cooling/Heating)	High	1600/3600	1800/3800	1900/6750	2000/6750	1800/6200	1900/6750	2000/6900
Airflow Rate	Indoor / Outdoor	High	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840	288x840x840
		kg (lbs)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)	26 (57)
Net Dimensions H x W x D	Indoor	mm	830×900×330	830×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330	1290×900×330
	Outdoor	kg (lbs)	61 (135)	61 (135)	86 (190)	86 (190)	104 (229)	104 (229)	104 (229)
Weight	Indoor	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
	Outdoor	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
Connection Pipe Diameter (Liquid / Gas)		mm	50 (20)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)	75 (30)
		m	30	30	30	30	30	30	30
Drain hose Diameter (I.D./O.D.)		mm	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
		°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Max Pipe Length (Pre-Charge)	Cooling		3,450	3,350	3,350	3,450	3,450	3,450	
	Heating		3,450	3,450	3,450	3,450	3,450	3,450	
Max Height Difference	Type (Global Warming Potential)		2,100	2,100	2,100	2,100	2,100	2,100	
	Charge	g	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W
Refrigerant	Model name		50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	
	Dimensions (H x W x D)	mm	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)	5.5 (12)
Cassette Grille	Weight	kg (lbs)							

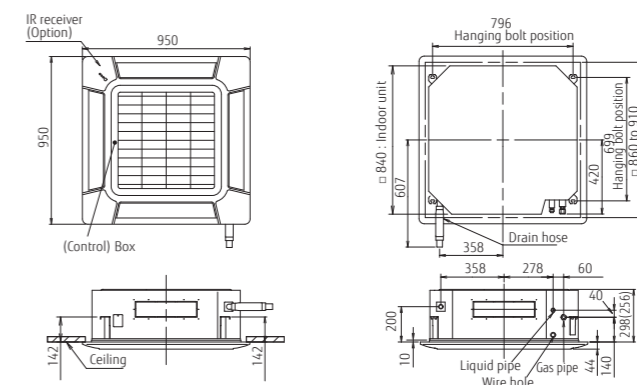
Optional parts

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)



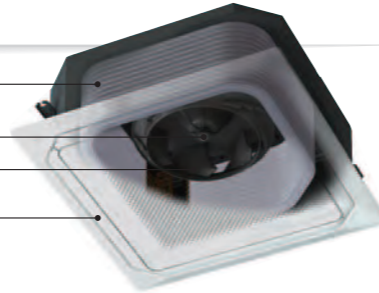


Features

Unique Circular Flow design

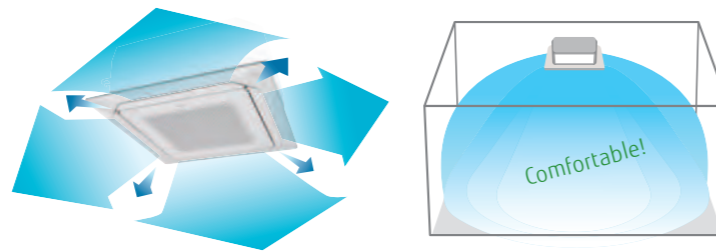
New Cassette type realizes Circular Flow to blow large airflow in 360° direction by mounting high performance DC fan motor, new turbo fan and unique seamless airflow louver design.

- 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

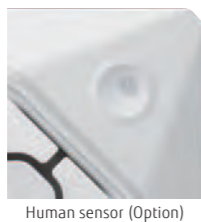


Comfortable air conditioning by preventing direct blowing of cold air and by providing swinging air flow simultaneously.

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.

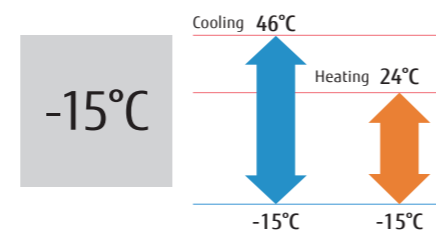


2 modes can be selected.

- Auto saving** Power is saved while people are away.
- Auto OFF** Operation stops after people go out.

*Touch Panel Wired RC (UTY-RNRYZ1) only

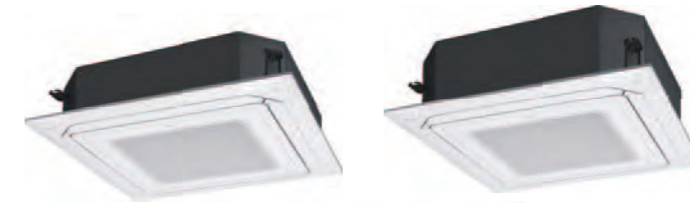
Low ambient operation



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



Touch Panel Wired R.C.



For AUXG18/24LRLB



For AUXG30/36LRLB



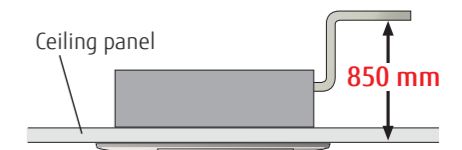
For AUXG45/54LRLB

Specifications

Model No.	Indoor unit		AUXG18LRLB	AUXG24LRLB	AUXG30LRLB	AUXG36LRLB	AUXG45LRLB	AUXG54LRLB	
	Outdoor unit		AOYG18LBCA	AOYG24LBCA	AOYG30LBTB	AOYG36LBTB	AOYG45LBTB	AOYG54LBTB	
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	Cooling	l/h	2.2	2.7	2.5	3.3	4.5	5.0	
	Heating		-	-	-	-	-	-	
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	
	Outdoor(Cooling/Heating)	High	51/50	55/56	53/55	54/55	55/55	55/57	
Sound Power Level	Indoor(Cooling/Heating)	High	47/47	49/49	54/54	58/58	60/60	61/61	
	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	Indoor	mm	246×840×840	246×840×840	288×840×840	288×840×840	288×840×840	288×840×840	
	Outdoor		kg(lbs)	24 (53)	24 (53)	26 (57)	26 (57)	29 (64)	29 (64)
Weight	Indoor	mm	620×790×290	620×790×290	830×900×330	830×900×330	1290×900×330	1290×900×330	
	Outdoor		kg(lbs)	41 (90)	41 (90)	61 (134)	61 (134)	86 (189)	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		m	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 x W x 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)	

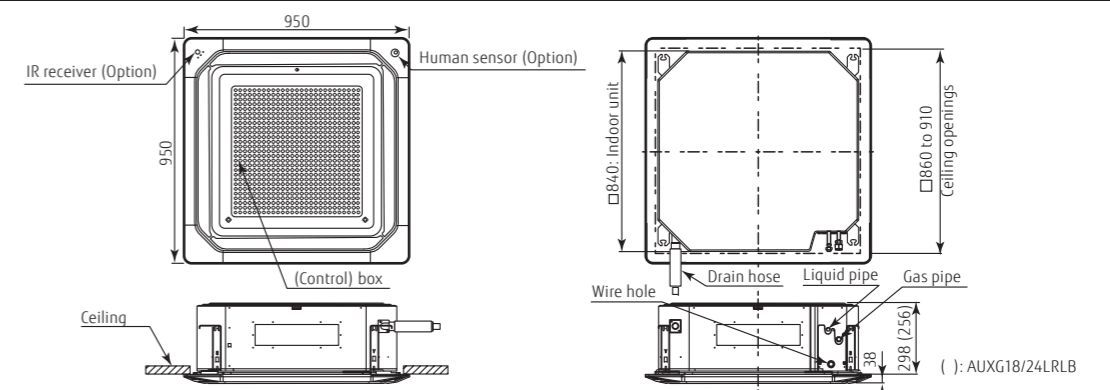
Optional parts

- 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
- Fresh 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)



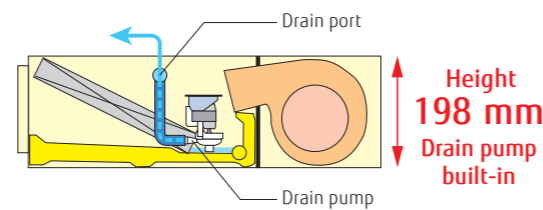
Slim Duct Slim & Comfort



Features

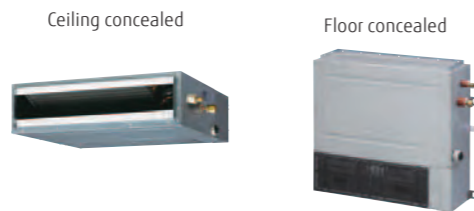
Slim design

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.



Selectable with a wide range of static pressure

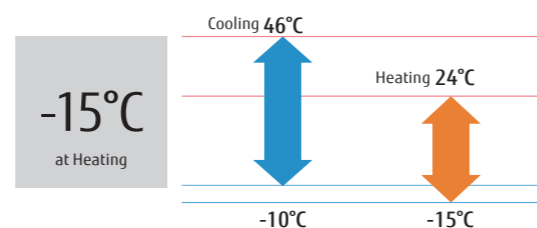
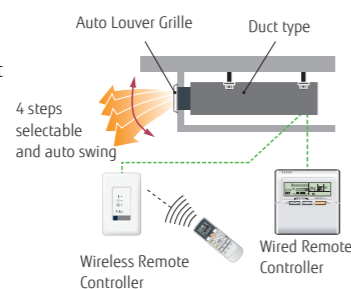
By using the DC fan motor, it is possible to change the static pressure range from 0 to 90 Pa. The change of static pressure range is possible by remote controller.



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

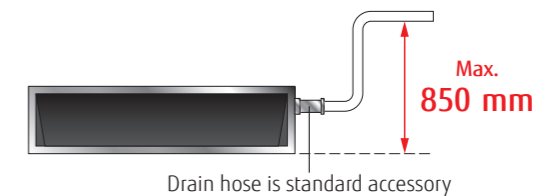


Specifications

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
	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
	Heating		4.00	3.90	4.10
Energy Efficiency Class	Cooling	A	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	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
Static pressure range (Standard)		Pa	0 to 90 (25)	0 to 90 (25)	0 to 90 (25)
		mm	198-700-620	198-700-620	198-900-620
Net Dimensions H x W x D	Indoor	kg(lbs)	19 (42)	19 (42)	23 (51)
	Outdoor	mm	578-790-300	578-790-300	578-790-300
Weight		kg(lbs)	40 (88)	40 (88)	40 (88)
		mm	6.35/9.52	6.35/12.70	6.35/12.70
Connection Pipe Diameter (Liquid / Gas)		mm	25/32	25/32	25/32
Drain hose Diameter (I.D./O.D.)		m	25 (15)	25 (15)	25 (15)
Max Pipe Length (Pre-Charge)		m	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 Charge	Type (Global Warming Potential)	g	R410A (2,088)	R410A (2,088)	R410A (2,088)
			1,150	1,250	1,250

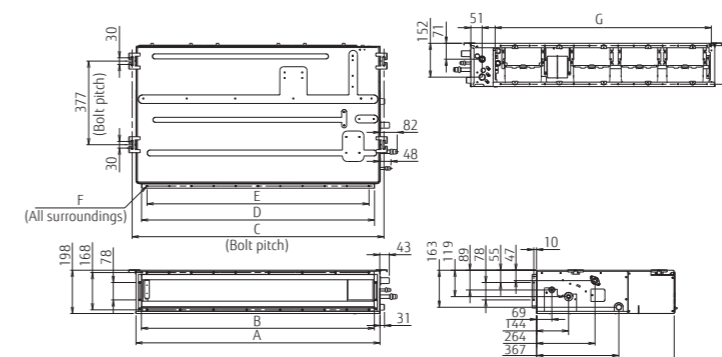
Optional parts

- 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

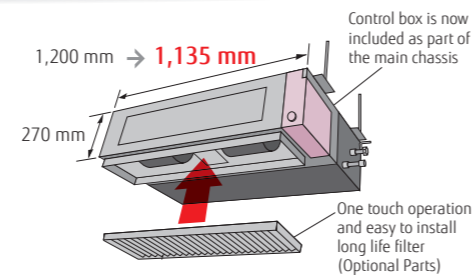
Medium Static Pressure Duct High Efficiency & Comfort



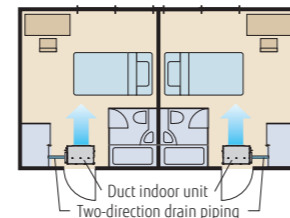
Features

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.



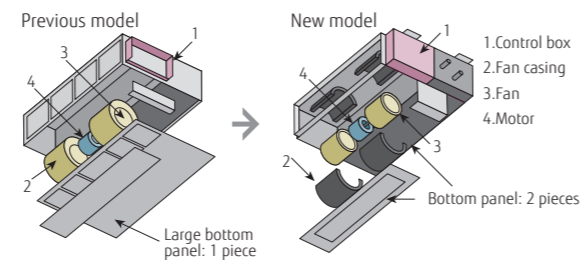
Two-direction drain piping



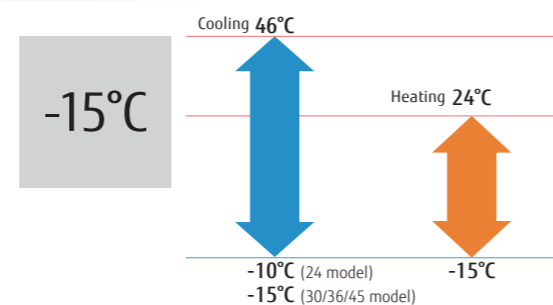
Easy maintenance

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



For ARYG24LMLA

For ARYG30/36LMLE

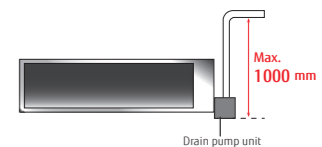
For ARYG36/45LMLA

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)	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+	-	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
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	-
	Indoor / Outdoor		m³/h	1100/2470	1900/3600	1900/3800	2100/6750	1800/6200
Static pressure range (Standard)		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	270x1135x700	270x1135x700	270x1135x700	270x1135x700	270x1135x700
Net Dimensions H x W x D	Indoor	kg(lbs)	38 (84)	40 (88)	40 (88)	40 (88)	40 (88)	40 (88)
	Outdoor		578x790x315	830x900x330	830x900x330	1290x900x330	1290x900x330	1290x900x330
Weight	Indoor	kg(lbs)	44 (97)	61 (134)	61 (134)	86 (190)	104 (229)	104 (229)
	Outdoor		6.35/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88
Connection Pipe Diameter (Liquid / Gas)		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
Drain hose Diameter (I.D./O.D.)		mm	30 (15)	50 (20)	50 (20)	50 (20)	75 (30)	75 (30)
Max Pipe Length (Pre-Charge)		m	20	30	30	30	30	30
Max Height Difference	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

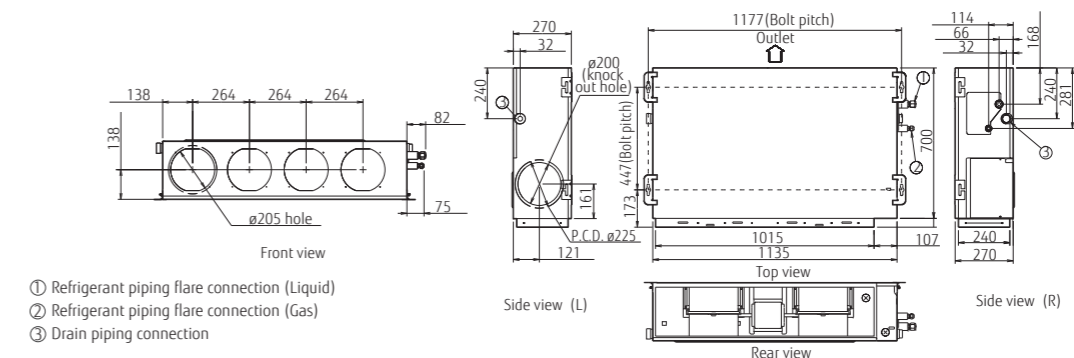
Optional parts

Wired Remote Controller:	UTY-RNNYM, UTY-RVNYM	Long Life Filter:	UTD-LF25NA
Simple Remote Controller:	UTY-RSNYM	Remote Sensor Unit:	UTY-XS2X
Flange (Round):	UTD-RF204	Drain Pump Unit:	UTZ-PX1NBA
Flange (Square):	UTD-SF045T	IR Receiver Kit:	UTY-LRHYM

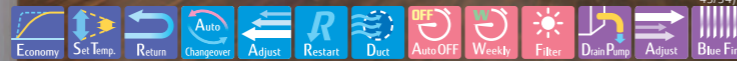
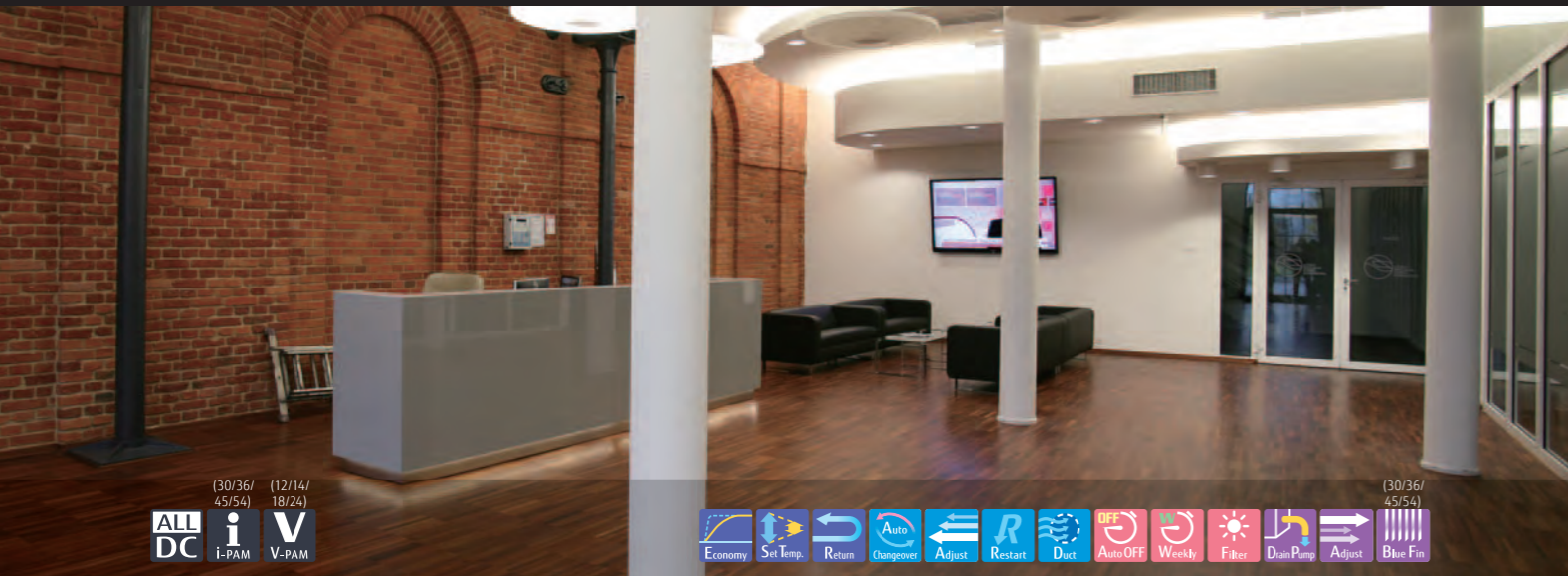


Dimensions

(Unit : mm)



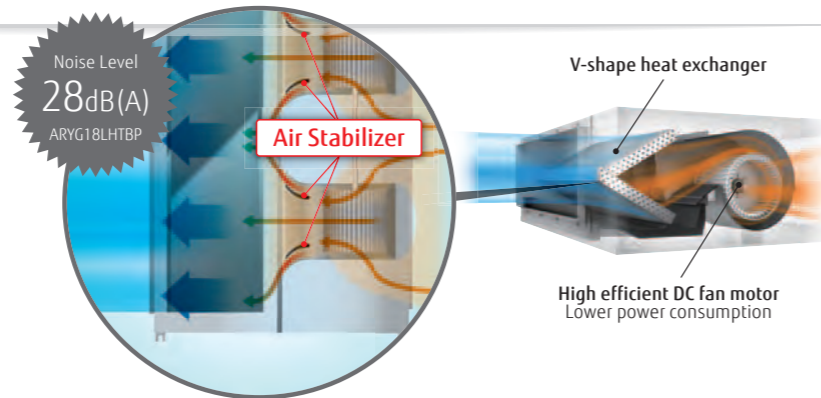
NEW Medium Static Pressure Duct Compact & Comfort



Features

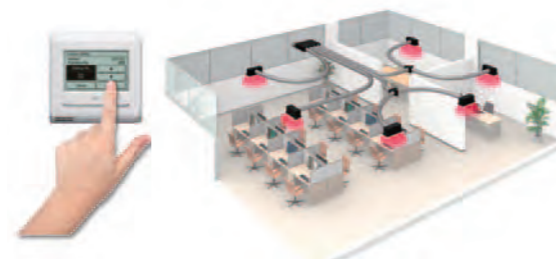
High Efficiency & Quiet operation

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.



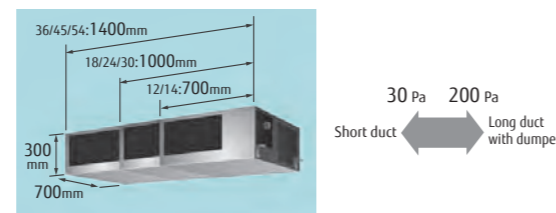
Automatic Airflow adjustment function

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



Improved installation flexibility

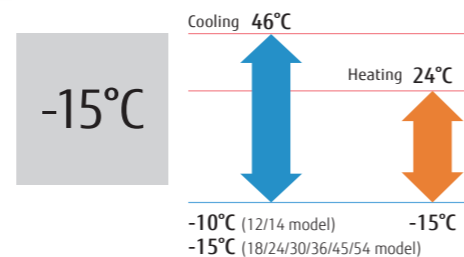
- Capable to be installed in various applications that requires static pressure of 30Pa to 200 Pa
- Built-in drain pump, rises drain up to 850 mm
- Unified depth throughout the range enables the selection of the capacity regardless of the additional space.



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



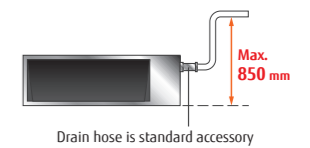
Specifications

Model No.	Indoor unit		ARYG12LHTBP	ARYG14LHTBP	ARYG18LHTBP	ARYG24LHTBP	ARYG30LHTBP	ARYG36LHTBP	ARYG45LHTBP	ARYG54LHTBP
	Outdoor unit		AOYG12LBLA	AOYG14LBLA	AOYG18LBCA	AOYG24LBCA	AOYG30LBTA	AOYG36LBTA	AOYG45LBTB	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	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	W/W	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	W/W	6.20	6.10	7.15	6.50	5.95	5.81	-	-
SEER	Cooling	W/W	4.10	4.00	4.11	4.01	3.95	3.81	-	-
	Heating (Average)	W/W	A+	A+	A+	A+	A	A	-	-
SCOP	Cooling	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
	Heating (Average)	A	*	*	255	366	500	566	*	*
Max. Operating Current	Cooling/Heating	kWh/a	*	*	1462	2092	2833	3194	*	*
	Cooling	l/h	*	*	1.2	1.8	2.3	2.0	2.6	3.7
Moisture Removal	Cooling	l/h	*	*	1.2	1.8	2.3	2.0	2.6	3.7
	Heating	l/h	*	*	1.2	1.8	2.3	2.0	2.6	3.7
Sound Pressure Level	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
	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
Static pressure range (Standard)	Indoor	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)
	Outdoor	Pa	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	Indoor	H x W x D	mm	27 (59)	27 (59)	36 (79)	36 (79)	36 (79)	46 (101)	46 (101)
	Outdoor	H x W x D	mm	578~790~300	578~790~300	620~790~290	620~790~290	830~900~330	830~900~330	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	
	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)	g	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	

*.That specification is not fixed yet.

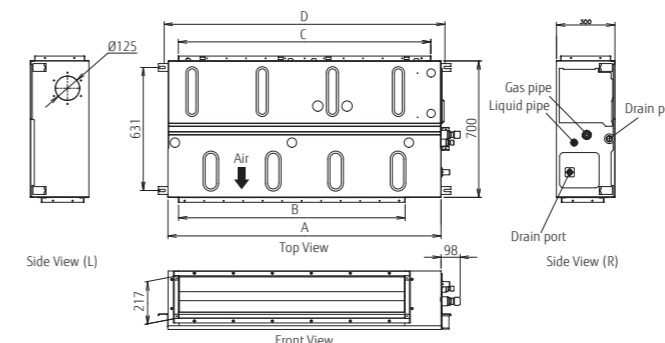
Optional parts

- 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-XWZXG, UTY-XWZXZ3



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

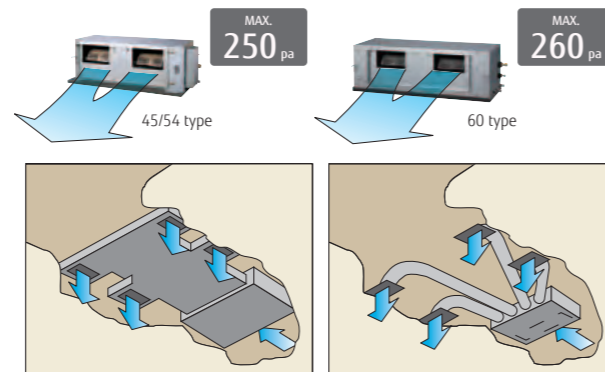


Features

High energy efficiency

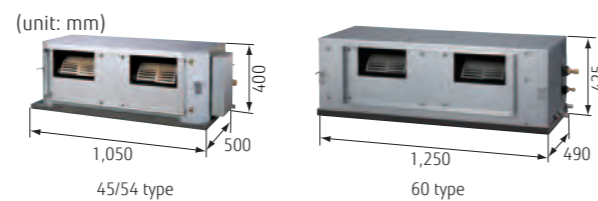
Significantly greater efficiency is realized by using all DC inverter technology. (60 type)

Design also corresponding to high static pressure



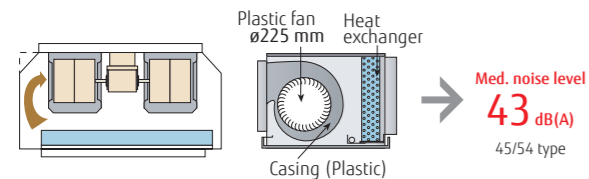
Easy installation (Compact size & Lightweight)

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

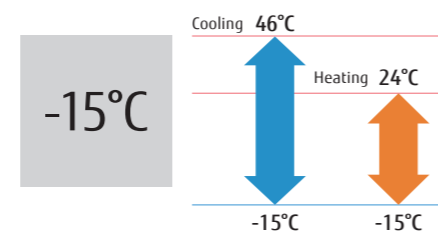


Low noise

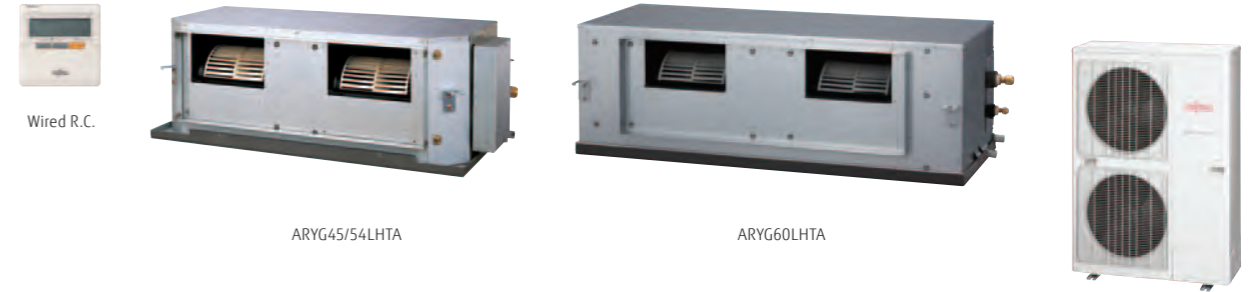
Cutting off the corners has enabled less turbulent airflow. Low noise is realized by adopting a plastic case and a plastic fan.



Low ambient operation



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



Specifications

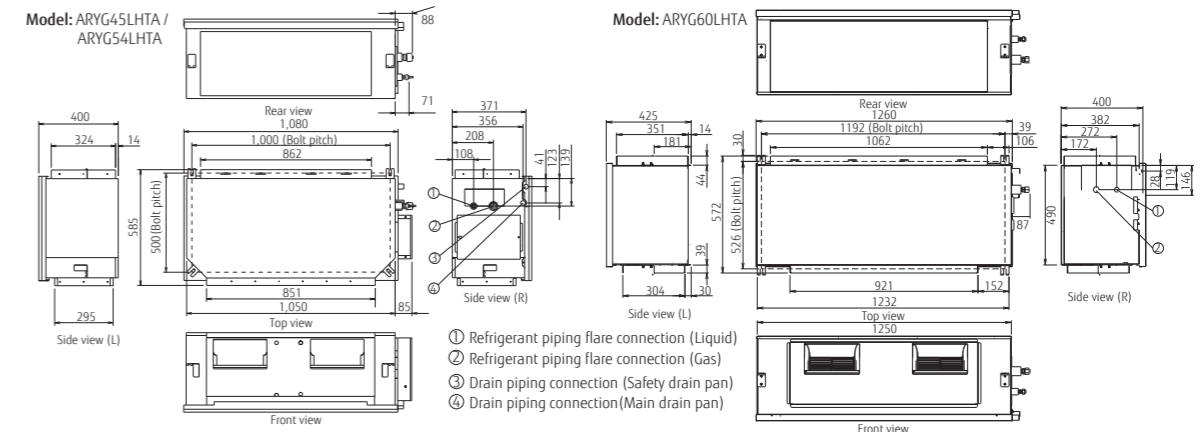
Model No.	Indoor unit		ARYG45LHTA	ARYG54LHTA	ARYG45LHTA	ARYG54LHTA	ARYG60LHTA	
	Outdoor unit		AOYG45LETL	AOYG54LETL	AOYG45LATT	AOYG54LATT	AOYG60LATT	
Power Source	Single-phase, ~230V, 50Hz			3-phase, ~400V, 50Hz				
Capacity	Cooling	kW	12.5 (4.5-14.0)	13.4 (5.0-14.5)	12.5 (5.0-14.0)	14.0 (5.4-16.0)	15.0 (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		2.91	2.81	3.08	3.01	3.19	
COP	Heating	W/W	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
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	m ³ /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			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)



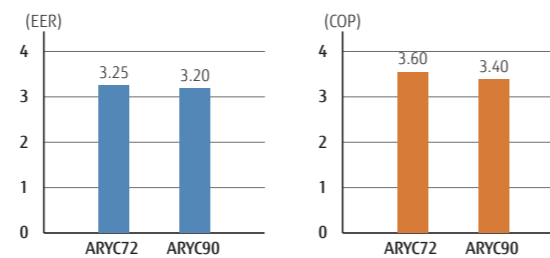
High Static Pressure Duct



Features

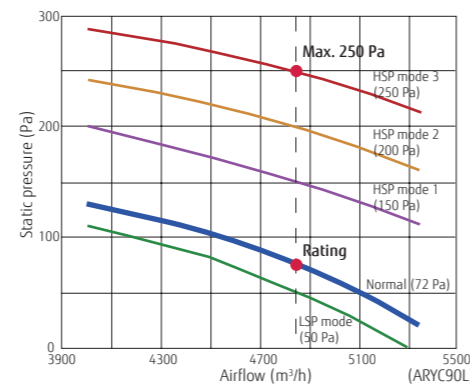
High energy efficiency

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.



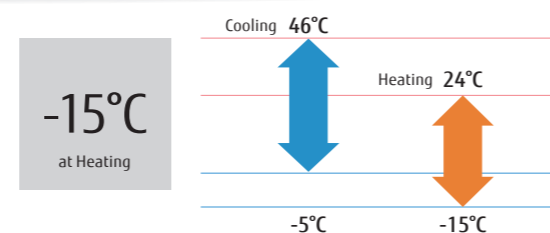
Outdoor unit quiet operation

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	kW	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	W/W	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	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
	Outdoor	mm	100 (220)	110 (242)
Weight	Indoor	kg(lbs)	1690×930×765	1690×930×765
	Outdoor	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		m	30	30
Operation Range	Cooling	°CDB	-5 to 46	-5 to 46
	Heating	°CDB	-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)

