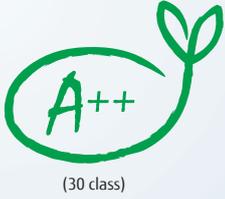


Split Air Conditioner



ASYG30LMTA ASYG36LMTA



Option



Wall Mounted LMTA Range

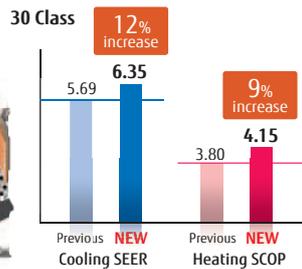
Feature

High Energy Efficiency

Large Heat Exchanger

Heat Exchanger volume
37% UP!

New dual suction design



Feature

Human Sensor

The sensor detects the movement of people in the room and optimises the power consumption of the unit by automatically adjusting the operating mode.



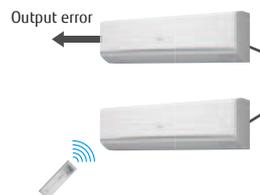
Feature

Corresponding to the server room

1 Operation

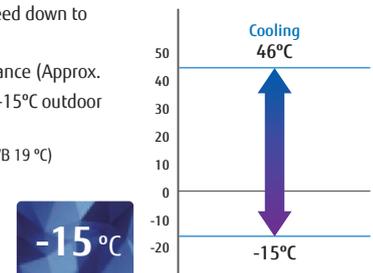
Cooling operation can be performed even in the low outdoor temperature and low humidity environment. In addition, the following interlock operation is possible by connecting two indoor units with a cable.

- **Rotating operation**
(Two units operate alternately)
- **Backup operation**
(In case one unit breaks down, the other unit starts operation automatically.)
- **Support operation**
(Both units operate simultaneously when the loaded capacity is not enough with one unit)



2 Low ambient operation

- Stable cooling operation is guaranteed down to -15°C outdoor temperature.
- Keep high sensible cooling performance (Approx. 75% capacity of rated condition) at -15°C outdoor temperature.
(Room temperature condition: DB 27°C WB 19°C)
- Server room function can be set at site.



Feature

Other functions

- 1 Outdoor unit low noise mode**
The reduction of noise at night can be set by remote controller.
- 2 50m long piping Length**
Long piping length allow to extend to 50m to support installing indoor unit in center of building.
- 3 KNX / Modbus connection**
Cooperation with external BMS is possible. (with option)

Optional parts

NEW

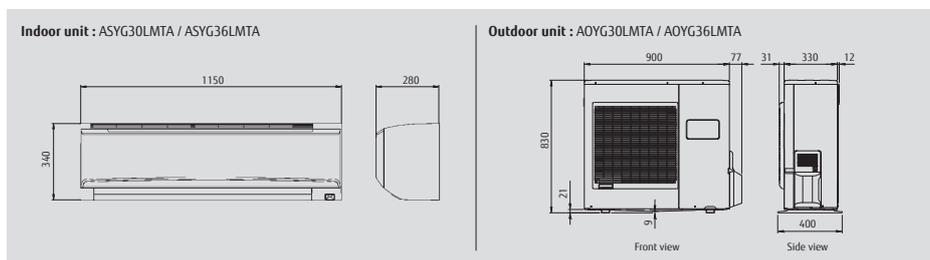
- Wired Remote Controller (Touch panel (two wire))** : UTY-RNRYZ1 + UTY-TWRX
Corresponds to twelve languages.
(English, German, French, Spanish, Italian, Portuguese, Dutch, Polish, Greek, Russian, Turkish, Chinese)
- Wired Remote Controller (High grade (three wire)) : UTY-RVNYM + UTY-XWNX
- Wired Remote Controller (two wire) : UTY-RLRY + UTY-TWRX
- Simple Remote Controller (three wire) : UTY-RSNYM + UTY-XWNX
- External input and output PCB: UTY-XCSXZ1 + UTZ-GXXB
- External Connect Kit: UTY-XWZX

Feature explanation

 Human sensor : Human sensor detects the movement of people in the room and judges whether the energy saving operation.	 Auto-changeover : The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.	 Weekly timer : Different ON-OFF times can be set for each day.
 Economy mode : Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.	 Double swing automatic : Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.	 Filter sign : Indicates the filter cleaning period by lamp.
 Powerful mode : Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.	 Automatic fan speed : The micro-computer automatically adjusts the airflow effectively to follow the changes of room temperature.	 Ion deodorization filter : The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultrafine-particle ceramic.
 Server room operation : Interlock operation is possible by connecting 2 indoor units even in the low 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.	 Apple-catechin filter : The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.
 Powerful mode : Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.	 Sleep timer : The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.	 Washable panel : Since the front panel is easy to remove, maintenance is also easy.
 Low noise mode : Sound noise level of outdoor unit can be selected.	 Program timer : This digital timer allows selection of one of four options: ON, OFF, ON → OFF or OFF → ON.	 Blue fin

Dimensions

(Unit : mm)



Specifications

(TENTATIVE)

	Indoor	ASYG30LMTA	ASYG36LMTA
Nominal Capacity (kW)	Outdoor	AOYG30LMTA	AOYG36LMTA
	Cooling	8.0 (2.9-9.0)	9.4 (2.9-10.0)
UK Total / Sensible Cooling *	Heating	8.8 (2.2-11.0)	10.1 (2.7-11.2)
		7.88 / 5.86	9.00 / 6.63
Power Consumption (kW)	Cooling	2.33	3.16
	Heating	2.41	2.96
EER / COP (Nominal Conditions)		3.43 / 3.65	2.97 / 3.41
	Pdesign (kW) @ -10°C	Cooling	8.0
SEER	Heating	6.5	7.1
	SCOP	Cooling	6.35
Energy Efficiency Class	Heating (Average)	4.15	4.19
	Cooling	A++	A+
Annual Energy Consumption (kWh/a)	Heating (Average)	A+	A+
	Cooling	441	575
Moisture Removal	Heating	2193	2373
	l/h	2.7	3.7
Dimensions (HxWxD) mm	Inner	340x1150x280	340x1150x280
	Outer	830x900x330	830x900x330
Net Weight (kg)	Inner	18	18
	Outer	61	61
Room Air Circulation (high) m3/h	Inner	1380	1380
	Outer	3600	3800
Power Supply	V-PH-Hz	230-1-50	230-1-50
Power Supply To		Outdoor	Outdoor
Running Current (A)	Cooling	14.5	19
	Heating	14.5	19
Starting Current	A	10.5	13.9
Suggested MCB/Fuse	A	16	20
Interconnecting Cable		3 + E	3 + E
Remote Control Type		Wireless	Wireless
Sound Pressure (dB(A) Cooling)	Indoor O/L/M/H	31/38/44/50	31/38/44/50
	Outdoor H	52	52
	Indoor H	65	65
Sound Power (dB(A) Cooling)	Outdoor H	67	68
	m	50	50
	m	30	30
Refrigerant Charge	m	20	20
Additional Refrigerant Charge	g/m	40	40
Pipe Size (inches)	Gas	5/8	5/8
	Liquid	3/8	3/8
Operating Range (OC)	Cooling	-15 to 46	-15 to 46
	Heating	-15 to 24	-15 to 24
Refrigerant		R410A	R410A

Note

*Cooling/heating capacities are based on the following conditions.

Cooling	Indoor temperature 23°CDB / 16°CWB Outdoor temperature 30°C
---------	--

- Performance test is in accordance with EN14511
- Seasonal efficiency test is in accordance with EN14825
- Sound power test is in accordance with EN12102

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Wall Mounted

ECO Range Compact & Comfort

Refrigerant
R410A
INVERTER

ALL DC

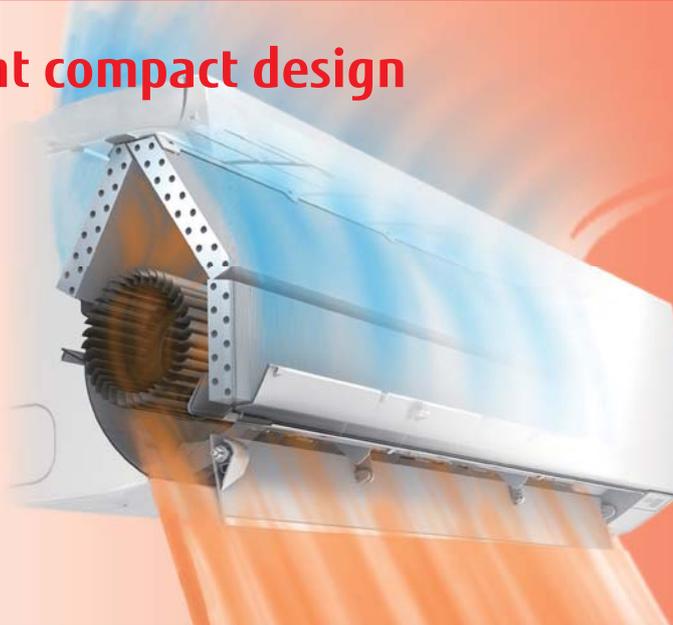
i
i-PAM

ASYG09LLCE / ASYG12LLCE

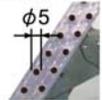


Point

High efficient compact design

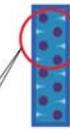


High density heat exchanger



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

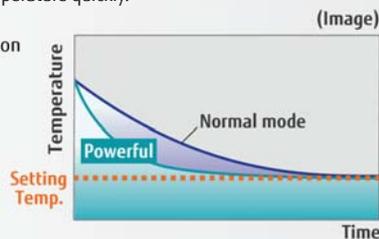
Point

More Comfort airflow

Powerful operation

Reach the setting temperature quickly.

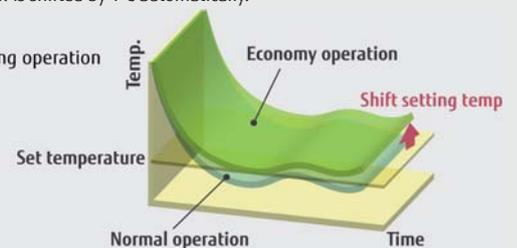
Ex. : Cooling operation



Economy operation

Setting temp. is shifted by 1°C automatically.

Ex. : Cooling operation

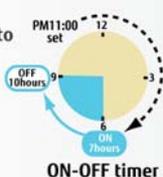


Point

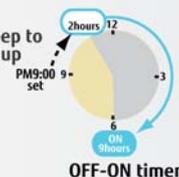
More Convenient Timer

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

From wake up to go to work



From sleep to wake up



Point

Super Quiet Operation

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

Fan speed
Quiet

Noise level
22dB(A)

Model: ASYG09LLCE / ASYG12LLCE



Wireless RC



AOYG09/12LLCE

Optional parts

Wireless Remote Control Holder : UTZ-RXLA

Feature explanation



Economy mode



Automatic fan speed



Filter sign



Powerful mode



Auto restart



Washable panel



Auto-changeover



Sleep timer



Up / down swing flaps



Program timer

Dimensions

Indoor unit : ASYG09LLCE / ASYG12LLCE

820

262

206

(Unit : mm)

Specifications

Model No.	Indoor unit		ASYG09LLCE		ASYG12LLCE	
	Outdoor unit		AOYG09LLCE		AOYG12LLCE	
Power Source	Single-phase, ~230V, 50Hz					
Nominal Capacity	Cooling	kW	2.5 (0.9-3.0)		3.4 (0.9-3.8)	
	Heating		3.0 (0.9-3.8)		4.0 (0.9-5.0)	
UK Total/Sensible Cooling*			2.42 / 1.59		3.29 / 2.14	
Power Consumption	Cooling/Heating	kW	0.730-0.740		1.080/1.130	
EER	Cooling	W/W	3.42		3.15	
	Heating		4.05		3.54	
Pdesign	Cooling/Heating(-10°C)	kW	2.50/2.30		3.40/3.20	
SEER	Cooling	W/W	6.90		6.60	
	Heating (Average)		4.00		3.80	
Energy Efficiency Class	Cooling	A++		A++		
	Heating (Average)	A+		A		
Annual Energy Consumption	Cooling	kWh/a	127		180	
	Heating		805		1,179	
Moisture Removal			1.30		1.80	
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	43/38/33/22		43/38/33/22	
	Indoor (Heating)	H/M/L/Q	43/38/33/22		43/38/33/22	
Sound Power Level	Outdoor (Cooling/Heating)	High	47/48		50/51	
	Indoor (Cooling/Heating)	High	59/60		59/60	
Airflow Rate	Outdoor (Cooling/Heating)	High	61/61		65/65	
	Indoor / Outdoor	High	720/1,670		720/1,830	
Net Dimensions H x W x D	Indoor	mm	262×820×206		262×820×206	
		kg	7.0		7.0	
Weight	Outdoor	mm	535×663×293		535×663×293	
		kg	24		26	
Remote Controller Type			Wireless		Wireless	
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth			
Suggested MCB Size			10		10	
Max. Operating Current	Cooling/Heating	Amp	6.00/7.50		6.50/9.00	
Power Supply To	Outdoor					
Connection Pipe Diameter (Gas / Liquid)	Inch		3/8 & 1/4		3/8 & 1/4	
Max Pipe Length (Factory Gas Charge Pipe Length)	m		20(15)		20(15)	
Max Height Difference			15		15	
Refrigerant	Type	R410A		R410A		
	Charge	g	650		850	
	Additional Charge	g/m	20		20	
Operation Range	Cooling	°CDB	-10 to 43		-10 to 43	
	Heating	°CDB	-15 to 24		-15 to 24	

Note: Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB. UK 23°C Indoor and 30°C Outdoor.

Heating : Indoor temperature of 20°CDB / 15°CWB, and outdoor temperature of 7°CDB / 6°CWB. UK 20°C Indoor and 0°C Outdoor.

Pipe length : 5.0m

Height difference : 0m (Outdoor unit - Indoor unit)



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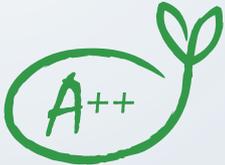
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Model: ASYG07LMCA / ASYG09LMCA / ASYG12LMCA / ASYG14LMCA



All Models



Wireless R.C.



For ASYG07/09/12LMCA



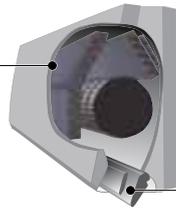
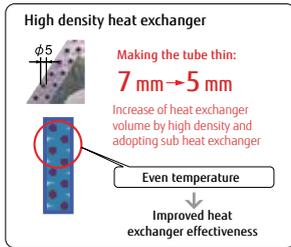
For ASYG14LMCA



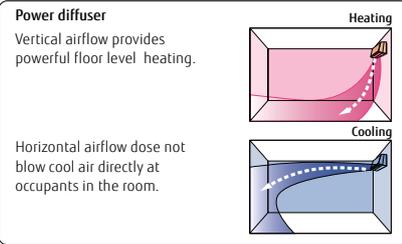
Wall Mounted LMCA Range

Feature

High Efficiency Compact Design



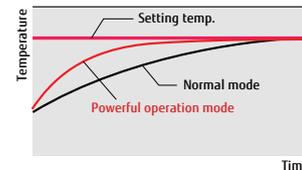
More comfort airflow



Feature

Powerful operation

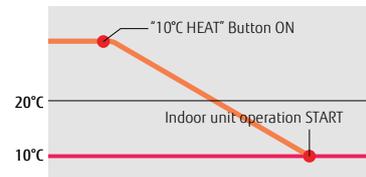
20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



Feature

10°C HEAT operation

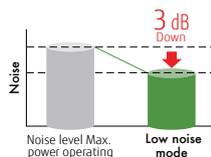
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.



Feature

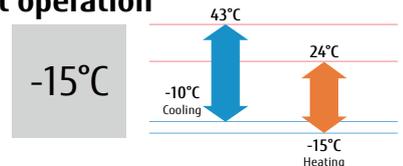
Low noise mode for outdoor unit

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



Feature

Low ambient operation



Optional parts

Wired Remote Controller:	UTYRVNYM	(Must use with Communication Kit below)
Simple Remote Controller:	UTYRSNYM	(Must use with Communication Kit below)
Communication Kit:	UTYXCBXZ2	
External Connect Kit	UTYXWZXZ5	
Modbus Interface	FJRCMBS1	(Must use with Communication Kit above)
KNX Interface	FJRCKNX1i	(Must use with Communication Kit above)
WiFi Interface	FJRCWIF1	(Must use with Communication Kit above)

Feature explanation



Economy mode

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



Power diffuser

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



Powerful mode

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



10°C HEAT operation

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



Low noise mode

Sound noise level of outdoor unit can be selected.



Auto-changeover

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



Up/down swing flaps

The up/down flaps automatically swing up and down.



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.



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.



Filter sign

Indicates the filter cleaning period by lamp.



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.

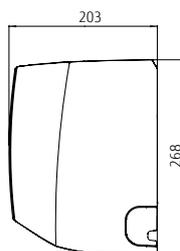
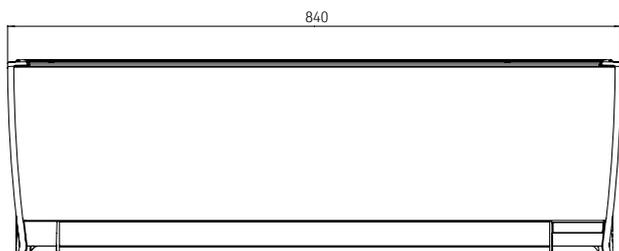


Washable panel

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

Dimensions

(Unit : mm)



Specifications

(TENTATIVE)

	Indoor	ASYG07LMCA	ASYG09LMCA	ASYG12LMCA	ASYG14LMCA
	Outdoor	AOYG07LMCA	AOYG09LMCA	AOYG12LMCA	AOYG14LMCA
Nominal Capacity (kW)	Cooling	2.00 (0.50-3.00)	2.50 (0.50-3.20)	3.40 (0.90-3.90)	4.00 (0.90-4.40)
	Heating	3.00 (0.50-3.40)	3.20 (0.50-4.00)	4.00 (0.90-5.30)	5.00 (0.90-6.00)
UK Total / Sensible Cooling *		1.94 / 1.30	2.42 / 1.59	3.30 / 2.14	3.52 / 2.52
Power Consumption (kW)	Cooling	0.47	0.65	0.97	1.14
	Heating	0.69	0.73	1.02	1.36
EER / COP (Nominal Conditions)		4.30 / 4.38	3.85 / 4.38	3.50 / 3.92	3.52 / 3.66
Pdesign (kW) @ -10°C	Cooling	2.00	2.50	3.40	4.00
	Heating	2.30	2.40	3.50	3.90
SEER	Cooling	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+
Annual Energy Consumption (kWh/a)	Cooling	103	125	170	203
	Heating	786	820	1225	1365
Moisture Removal	l/h	1.00	1.30	1.80	2.10
Dimensions (HxWxD) mm	Inner	268x840x203	268x840x203	268x840x203	268x840x203
	Outer	535x663x293	535x663x293	535x663x293	540x790x290
Net Weight (kg)	Inner	9	9	9	9
	Outer	21	21	26	34
Room Air Circulation (high) m3/h	Inner	750	750	750	750
	Outer	1670	1670	1830	1800
Power Supply	V-PH-Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Power Supply To		Outdoor	Outdoor	Outdoor	Outdoor
Running Current (A)	Cooling	2.50	3.20	4.60	5.30
	Heating	3.30	3.50	4.80	6.30
Starting Current	A	3.30	3.50	4.80	6.30
Suggested MCB/Fuse	A	10	10	10	10
Interconnecting Cable		3 + E	3 + E	3 + E	3 + E
Remote Control Type		Wireless	Wireless	Wireless	Wireless
Sound Pressure (dB(A) Cooling)	Indoor Q/L/M/H	21 / 32 / 40 / 43	21 / 32 / 40 / 43	21 / 32 / 40 / 43	25 / 33 / 40 / 44
	Outdoor H	45	45	50	49
Sound Power (dB(A) Cooling)	Indoor H	59	59	59	60
	Outdoor H	58	58	61	63
Max Pipe Length	m	20	20	20	20
Max Height Difference	m	15	15	15	15
Refrigerant Charge	m	15	15	15	15
Additional Refrigerant Charge	g/m	20	20	20	20
Pipe Size (inches)	Gas	3/8	3/8	3/8	1/2
	Liquid	1/4	1/4	1/4	1/4
Operating Range (OC)	Cooling	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
	Heating	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Refrigerant		R410A	R410A	R410A	R410A

Note

*Cooling/heating capacities are based on the following conditions.

Cooling	Indoor temperature 23°CDB / 16°CWB Outdoor temperature 30°C
---------	--

- Performance test is in accordance with EN14511
- Seasonal efficiency test is in accordance with EN14825
- Sound power test is in accordance with EN12102



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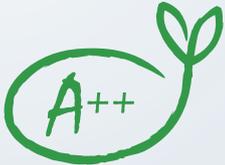
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Model: ASYG07LMCA / ASYG09LMCA / ASYG12LMCA / ASYG14LMCA



All Models



Wireless R.C.



For ASYG07/09/12LMCA



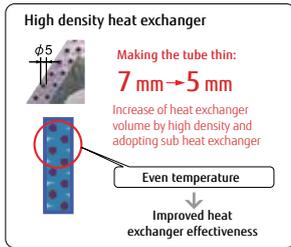
For ASYG14LMCA



Wall Mounted LMCA Range

Feature

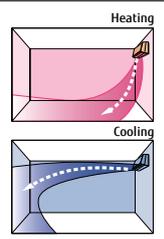
High Efficiency Compact Design



More comfort airflow

Power diffuser

Vertical airflow provides powerful floor level heating.

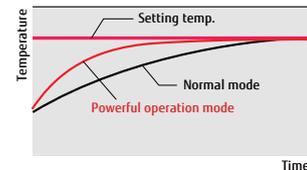


Horizontal airflow does not blow cool air directly at occupants in the room.

Feature

Powerful operation

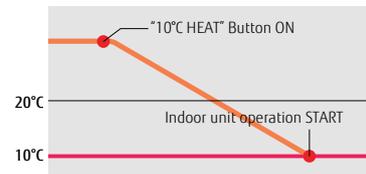
20 minutes continuous operation by maximum airflow and maximum compressor speed is possible. Rapid cooling and heating makes the room comfortable quickly.



Feature

10°C HEAT operation

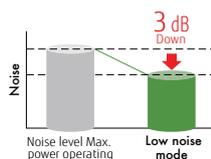
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.



Feature

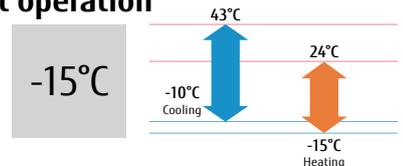
Low noise mode for outdoor unit

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



Feature

Low ambient operation



Optional parts

Wired Remote Controller:	UTYRVNYM	(Must use with Communication Kit below)
Simple Remote Controller:	UTYRSNYM	(Must use with Communication Kit below)
Communication Kit:	UTYXCBXZ2	
External Connect Kit	UTYXWZXZ5	
Modbus Interface	FJRCMBS1	(Must use with Communication Kit above)
KNX Interface	FJRCKNX1i	(Must use with Communication Kit above)
WiFi Interface	FJRCWIF1	(Must use with Communication Kit above)

Feature explanation



Economy mode

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



Power diffuser

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



Powerful mode

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



10°C HEAT operation

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



Low noise mode

Sound noise level of outdoor unit can be selected.



Auto-changeover

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



Up/down swing flaps

The up/down flaps automatically swing up and down.



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.



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.



Filter sign

Indicates the filter cleaning period by lamp.



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.

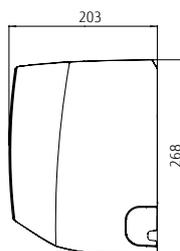
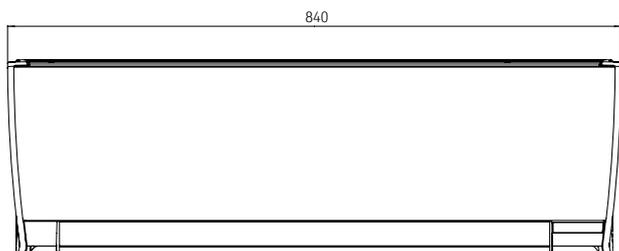


Washable panel

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

Dimensions

(Unit : mm)



Specifications

(TENTATIVE)

	Indoor	ASYG07LMCA	ASYG09LMCA	ASYG12LMCA	ASYG14LMCA
	Outdoor	AOYG07LMCA	AOYG09LMCA	AOYG12LMCA	AOYG14LMCA
Nominal Capacity (kW)	Cooling	2.00 (0.50-3.00)	2.50 (0.50-3.20)	3.40 (0.90-3.90)	4.00 (0.90-4.40)
	Heating	3.00 (0.50-3.40)	3.20 (0.50-4.00)	4.00 (0.90-5.30)	5.00 (0.90-6.00)
UK Total / Sensible Cooling *		1.94 / 1.30	2.42 / 1.59	3.30 / 2.14	3.52 / 2.52
Power Consumption (kW)	Cooling	0.47	0.65	0.97	1.14
	Heating	0.69	0.73	1.02	1.36
EER / COP (Nominal Conditions)		4.30 / 4.38	3.85 / 4.38	3.50 / 3.92	3.52 / 3.66
Pdesign (kW) @ -10°C	Cooling	2.00	2.50	3.40	4.00
	Heating	2.30	2.40	3.50	3.90
SEER	Cooling	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+
Annual Energy Consumption (kWh/a)	Cooling	103	125	170	203
	Heating	786	820	1225	1365
Moisture Removal	l/h	1.00	1.30	1.80	2.10
Dimensions (HxWxD) mm	Inner	268x840x203	268x840x203	268x840x203	268x840x203
	Outer	535x663x293	535x663x293	535x663x293	540x790x290
Net Weight (kg)	Inner	9	9	9	9
	Outer	21	21	26	34
Room Air Circulation (high) m3/h	Inner	750	750	750	750
	Outer	1670	1670	1830	1800
Power Supply	V-PH-Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Power Supply To		Outdoor	Outdoor	Outdoor	Outdoor
Running Current (A)	Cooling	2.50	3.20	4.60	5.30
	Heating	3.30	3.50	4.80	6.30
Starting Current	A	3.30	3.50	4.80	6.30
Suggested MCB/Fuse	A	10	10	10	10
Interconnecting Cable		3 + E	3 + E	3 + E	3 + E
Remote Control Type		Wireless	Wireless	Wireless	Wireless
Sound Pressure (dB(A) Cooling)	Indoor Q/L/M/H	21 / 32 / 40 / 43	21 / 32 / 40 / 43	21 / 32 / 40 / 43	25 / 33 / 40 / 44
	Outdoor H	45	45	50	49
Sound Power (dB(A) Cooling)	Indoor H	59	59	59	60
	Outdoor H	58	58	61	63
Max Pipe Length	m	20	20	20	20
Max Height Difference	m	15	15	15	15
Refrigerant Charge	m	15	15	15	15
Additional Refrigerant Charge	g/m	20	20	20	20
Pipe Size (inches)	Gas	3/8	3/8	3/8	1/2
	Liquid	1/4	1/4	1/4	1/4
Operating Range (OC)	Cooling	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
	Heating	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Refrigerant		R410A	R410A	R410A	R410A

Note

*Cooling/heating capacities are based on the following conditions.

Cooling	Indoor temperature 23°CDB / 16°CWB Outdoor temperature 30°C
---------	--

- Performance test is in accordance with EN14511
- Seasonal efficiency test is in accordance with EN14825
- Sound power test is in accordance with EN12102



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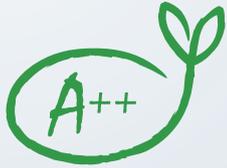
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Model: ASYG07LUCA / ASYG09LUCA / ASYG12LUCA / ASYG14LUCA



Wireless R.C.



For ASYG07/09LUCA



For ASYG12/14LUCA



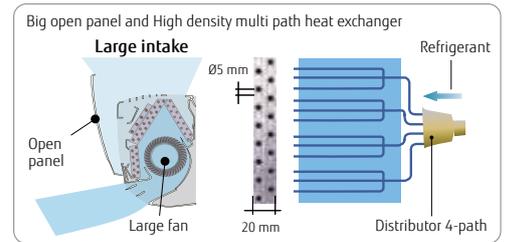
reddot design award winner 2012



Wall Mounted LU Range

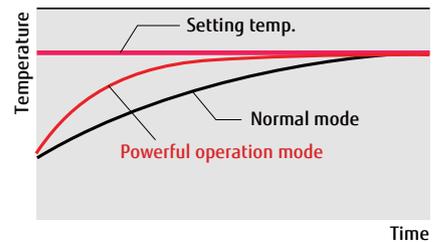
Feature Thin & Slim Design

Thin and slim design is realized by Ø5-mm heat exchanger and high efficiency wind blower.



Feature Powerful operation

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

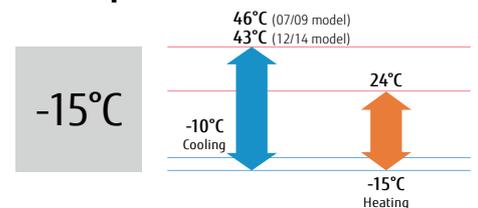


Feature 3 Mode timer (Weekly/Program/Sleep)

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.



Feature Low ambient operation



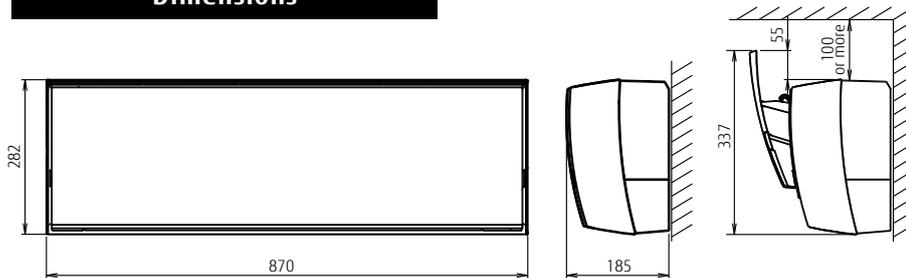
Optional parts

Wired Remote Controller:	UTYRVNYM	(Must use with Communication Kit below)
Simple Remote Controller:	UTYRSNYM	(Must use with Communication Kit below)
External Connect Kit	UTYXWZXZ5	(Must use with Communication Kit below)
Communication Kit:	UTYTWBXF	
Modbus Interface	FJRCMBS1	(Must use with Communication Kit above)
KNX Interface	FJRCKNX1i	(Must use with Communication Kit above)
WiFi Interface	FJRCWIF1	(Must use with Communication Kit above)

Feature explanation

- 
Save human sensor
 Human sensor detects the movement of people in the room and judges whether the energy saving operation.
- 
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.
- 
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.
- 
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.
- 
Filter sign
 Indicates the filter cleaning period by lamp.
- 
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.

Dimensions



(Unit : mm)

Specifications

(TENTATIVE)

	Indoor	ASYG07LUCA	ASYG09LUCA	ASYG12LUCA	ASYG14LUCA
	Outdoor	AOYG07LUCA	AOYG09LUCB	AOYG12LUC	AOYG14LUC
Nominal Capacity (kW)	Cooling	2.00 (0.50-3.00)	2.50 (0.50-3.20)	3.50 (0.90-4.00)	4.20 (0.90-5.00)
	Heating	3.00 (0.50-4.00)	3.20 (0.50-4.20)	4.00 (0.90-5.60)	5.40 (0.90-6.00)
UK Total / Sensible Cooling *		1.94 / 1.30	2.42 / 1.59	3.40 / 2.24	4.07 / 2.73
Power Consumption (kW)	Cooling	0.46	0.55	0.91	1.24
	Heating	0.66	0.68	0.93	1.38
EER / COP (Nominal Conditions)		4.35 / 4.55	4.50 / 4.71	3.87 / 4.30	3.40 / 3.91
Pdesign (kW) @ -10°C	Cooling	2.00	2.50	3.50	4.20
	Heating	2.60	2.80	3.90	4.80
SEER	Cooling	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+
Annual Energy Consumption (kWh/a)	Cooling	97	123	174	217
	Heating	887	956	1363	1677
Moisture Removal	l/h	1.00	1.30	1.80	2.10
Dimensions (HxWxD) mm	Inner	282x870x185	282x870x185	282x870x185	282x870x185
	Outer	540x660x290	540x660x290	540x790x290	540x790x290
Net Weight (kg)	Inner	10	10	10	10
	Outer	23	25	33	34
Room Air Circulation (high) m3/h	Inner	680	800	850	900
	Outer	1720	1720	1940	1940
Power Supply	V-PH-Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Power Supply To	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Running Current (A)	Cooling	2.60	3.10	4.60	5.80
	Heating	3.40	3.40	4.70	6.30
Starting Current	A	3.40	3.40	4.70	6.30
Suggested MCB/Fuse	A	10	10	10	10
Interconnecting Cable		3 + E	3 + E	3 + E	3 + E
Remote Control Type		Wireless	Wireless	Wireless	Wireless
Sound Pressure (dB(A) Cooling)	Indoor Q/L/M/H	21 / 31 / 35 / 38	21 / 32 / 36 / 42	21 / 32 / 37 / 43	25 / 33 / 40 / 45
	Outdoor H	46	48	50	50
Sound Power (dB(A) Cooling)	Indoor H	57	59	60	60
	Outdoor H	58	60	65	65
Max Pipe Length	m	20	20	20	20
Max Height Difference	m	15	15	15	15
Refrigerant Charge	m	15	15	15	15
Additional Refrigerant Charge	g/m	20	20	20	20
Pipe Size (inches)	Gas	3/8	3/8	3/8	1/2
	Liquid	1/4	1/4	1/4	1/4
Operating Range (OC)	Cooling	-10 ~ 46	-10 ~ 46	-10 ~ 43	-10 ~ 43
	Heating	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Refrigerant		R410A	R410A	R410A	R410A

Note
 •Cooling/heating capacities are based on the following conditions.

Cooling	Indoor temperature 23°CDB / 16°CWB Outdoor temperature 30°C
---------	--

- Performance test is in accordance with EN14511
- Seasonal efficiency test is in accordance with EN14825
- Sound power test is in accordance with EN12102



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Wall Mounted

Standard Range
High Efficiency & Comfort

Refrigerant
R410A
INVERTER

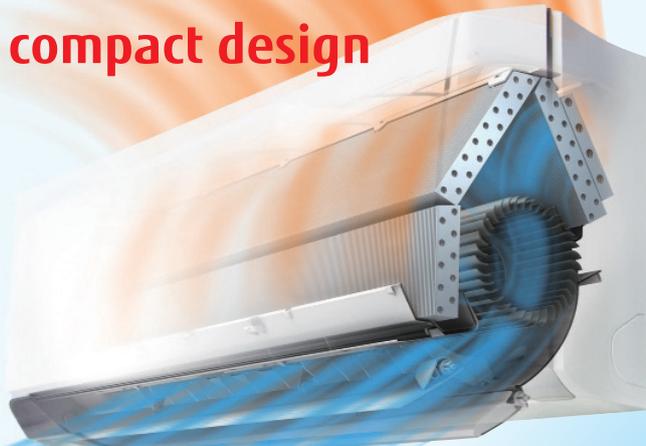
ALL
DC

i
i-PAM

ASYG07LMCE / ASYG09LMCE / ASYG12LMCE / ASYG14LMCE



Point High efficient compact design

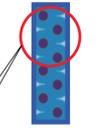


High density heat exchanger



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

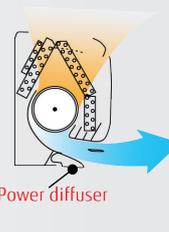
Point More Comfort airflow



Power diffuser



Vertical airflow provides powerful floor level heating



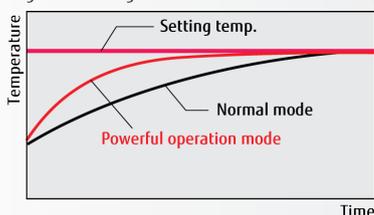
Power diffuser



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

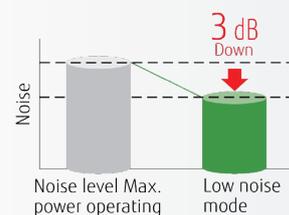
Point Powerful operation

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



Point Low noise mode for outdoor unit

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



Model: ASYG07LMCE / ASYG09LMCE / ASYG12LMCE / ASYG14LMCE



Wireless RC



AOYG07/09/12LMCE



AOYG14LMCE

Optional parts

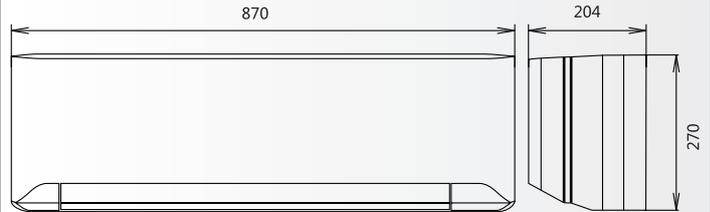
Wired Remote Controller: UTY-RVNYM
 Simple Remote Controller: UTY-RSNYM
 Communication kit: UTY-XCBX22

Feature explanation

Economy mode	Auto-changeover	Program timer
Power diffuser	Up/down swing flaps	Filter sign
Powerful mode	Automatic fan speed	Ion deodorization filter
10°C HEAT operation	Auto restart	Apple-catechin filter
Low noise mode	Sleep timer	Washable panel

Dimensions

Indoor unit : ASYG07LMCE / ASYG09LMCE / ASYG12LMCE / ASYG14LMCE (Unit : mm)



Specifications

Model No.	Indoor unit		ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
	Outdoor unit		AOYG07LMCE	AOYG09LMCE	AOYG12LMCE	AOYG14LMCE
Power Source			Single-phase, ~230V,50Hz			
Nominal 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)
UK Total/Sensible Cooling			1.94/1.30	2.42/1.59	3.30/2.14	3.87/2.52
Power Consumption	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
	Heating		4.38	4.38	3.92	3.66
Pdesign	Cooling/Heating(-10°C)	kW	2.00/2.30	2.50/2.40	3.40/3.50	4.00/3.90
	SEER	Cooling	6.80	7.00	7.00	6.90
SCOP	Heating (Average)	W/W	4.10	4.10	4.00	4.00
	Energy Efficiency Class		Cooling	A++	A++	A++
Annual Energy Consumption	Heating (Average)	kWh/a	103	125	170	203
	Moisture Removal		Cooling	786	820	1225
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	1.00	1.30	1.80	2.10
	Indoor (Heating)		43/40/32/21	43/40/32/21	43/40/32/21	44/40/33/25
Sound Power Level	Outdoor(Cooling/Heating)	dB(A)	43/38/33/22	43/38/33/22	43/38/33/22	44/40/35/27
	Indoor(Cooling/Heating)		High	45/45	45/45	50/50
Airflow Rate	Indoor(Cooling/Heating)	High	59/59	59/59	59/59	60/60
	Outdoor(Cooling/Heating)		High	58/56	58/56	61/61
Net Dimensions H x W x D	Indoor	mm	750/1670	750/1670	750/1830	750/1800
	Outdoor		mm	270×870×204	270×870×204	270×870×204
Weight	Indoor	kg	8.5	8.5	8.5	8.5
	Outdoor		kg	535×663×293	535×663×293	535×663×293
Remote Controller Type			Wireless	Wireless	Wireless	Wireless
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth			
Suggested MCB Size			10	10	10	10
Max. Operating Current			6.00/7.50	6.00/7.50	6.50/9.00	9.00/10.50
Starting Current			3.30	3.50	4.80	6.30
Power Supply To			Outdoor			
Connection Pipe Diameter (Gas / Liquid)			Inch 3/8 & 1/4	3/8 & 1/4	3/8 & 1/4	1/2 & 1/4
Max Pipe Length (Factory Gas Charge Pipe Length)			20(15)	20(15)	20(15)	20(15)
Max Height Difference			15	15	15	15
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	g	700	700	850	1050
	Additional Charge	g/m	20	20	20	20
Operation Range	Cooling	°CDB	-10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating	°CDB	-15 to 24	-15 to 24	-15 to 24	-15 to 24

Note: Specifications are based on the following conditions.
 Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.
 Heating : Indoor temperature of 20°CDB / 15°CWB, and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 5.0m
 Height difference : 0m (Outdoor unit - Indoor unit)



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ISO 9001
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ISO 14001
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UKAS
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