FUJITSU

Hi-spec Design model

LT
Series

LU
Series

Photo : LT series

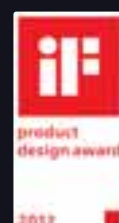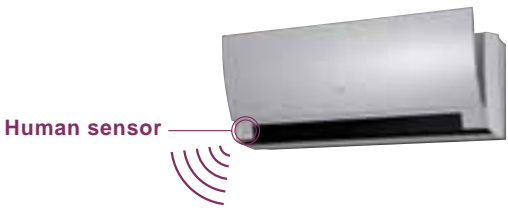FUJITSU GENERAL LIMITED

New Partner for Living

LT LU
Series Series

Hi-spec Design model

Full flat panel matches to various interior and
energy saving operation is realized by Human Sensor.*
Our advanced technology makes your life comfortable.

*LT series only

iF product design award 2012

GOOD DESIGN
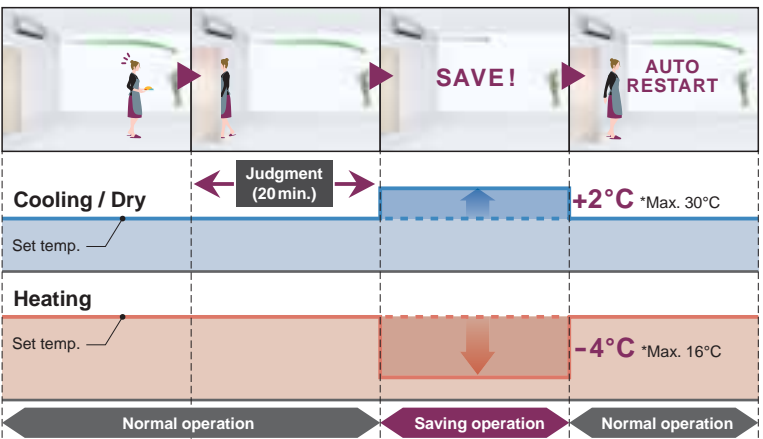
Energy Saving

Human sensor

Energy saving operation
by detecting movement

Human sensor control *

Even if people leave the room and forget to turn off the power, 20 minutes after the last person has left the room, the air conditioner will automatically switch to the saving operation. In saving operation, temperature is increased by 2ºC when cooling and reduced by 4ºC when heating. When someone comes back to the room, it returns to previous operating mode. This prevents wasteful operation to save energy without anyone even thinking about it.

*LT series only

		SAVE !	AUTO RESTART

Cooling / Dry

Judgment (20 min.)   **+2°C** *Max. 30°C

Set temp.

Heating

Set temp.   **−4°C** *Max. 16°C

Normal operation	Saving operation	Normal operation

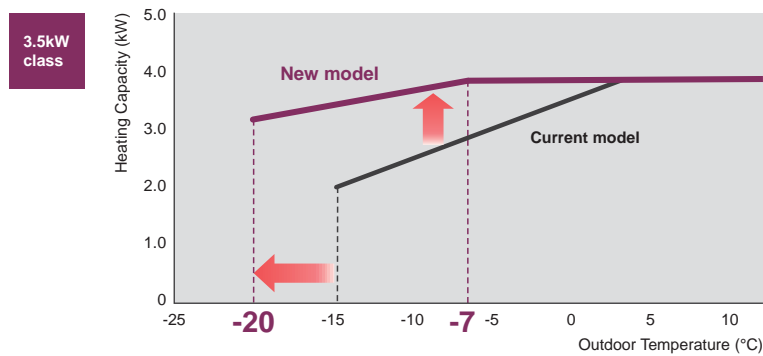**Human sensor's coverage**

90°

6m

100°

6m

High Performance

Panel opens automatically
when operation starts

Powerful heating*

Heating capacity was improved at low outdoor temperature by adopting large heat exchanger and high capacity compressor. 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.

*LT series only

3.5kW class

New model

Current model

Heating Capacity (kW)

5.0
4.0
3.0
2.0
1.0
0

-25   **-20**   -15   -10   **-7**   -5   0   5   10
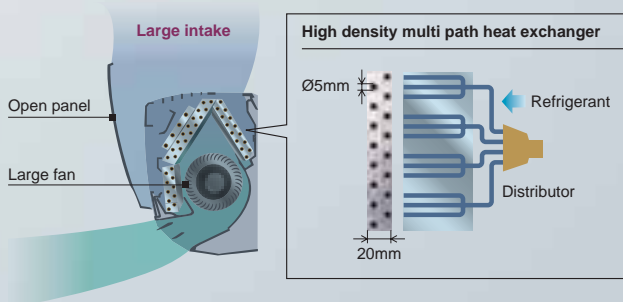
Outdoor Temperature (°C)

Our Advanced Technology

Indoor unit : Equipped with high density multi-path heat exchanger to increase the cooling and heating efficiency. The comfort is improved by adopting an open panel and large diameter long fan to take in a large airflow volume and blow a powerful airflow.

Outdoor unit : Adopts a large heat exchanger and DC twin rotary compressor* to more effectively utilize the high capacity. The operating noise is also reduced using an efficient airflow structure design.

Large intake

Open panel

Large fan

High density multi path heat exchanger

Ø5mm

Refrigerant

Distributor

20mm
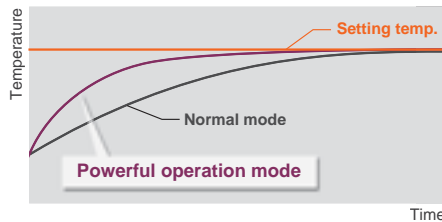
DC twin rotary compressor

*ASYG12LT only

More Comfort & Friendly for Use

Quick comfort
pressing just one button

Powerful operation mode

Powerful operation is boosted with the maximum full power and strong airflow. Rapid cooling and heating makes the room comfortable quickly when people come back home.
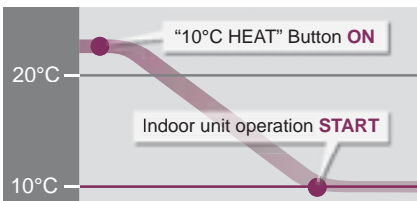
Caution

Powerful mode operates for 6 minutes or more, and stops automatically if reaching set temperature or 20 minutes pass.

Temperature

Setting temp.

Normal mode

Powerful operation mode

Time

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
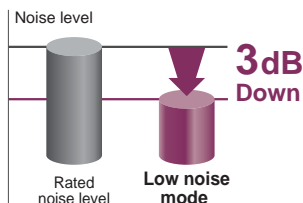
"10°C HEAT" Button **ON**

20°C

Indoor unit operation **START**

10°C

Caution

▪ When the room temperature is higher than 10°C, **"10°C HEAT"** operation does not start. Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.

▪ When **"10°C HEAT"** operation stops, the room set temperature quickly returns to the preset temperature.

Low noise mode for outdoor unit

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

Noise level

3dB
Down

Rated noise level

Low noise mode

MODE TEMP. FAN
COOL **28**°C

[ENERGY SAVING] SWING

⊕WEEKLY WE
[CLOCK] **10:00**

10°C HEAT TEMP. POWERFUL

FUJITSU

For LT series
(Real scale)

High-quality comfort function operated using a single button.
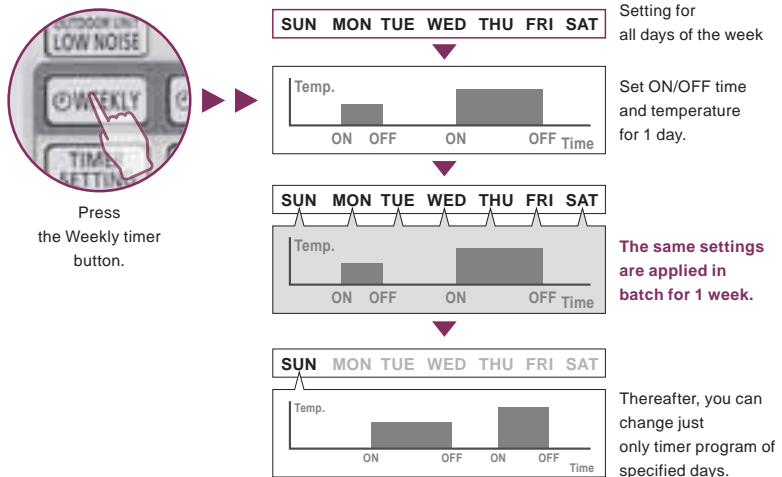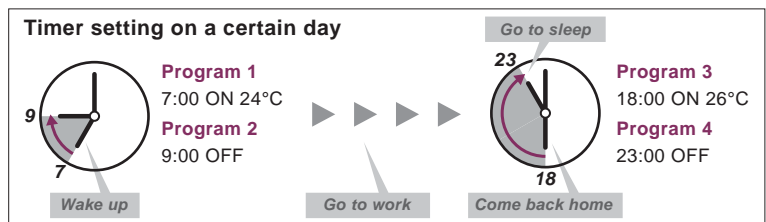Remote controller with better design & more convenience

Slim & Smart design remote controller

This thinnest ever remote controller has an easy-to-view large LCD and a one-touch selection button in simple and easy-to-use layout to achieve a great operation feel for often used functions. Ease of use and design are improved.

3 mode timer

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.
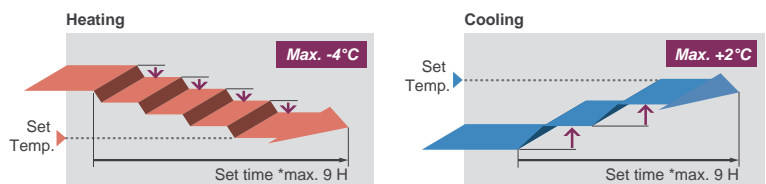
Easier weekly timer setting : Batch setting for all days of the week are possible and then specified day setting can be also changed. Setting the weekly timer is easier than previous setting for each day.

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

Sleep timer : The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
*Sleep timer setting : 0.5, 1, 2, 3, 5, 7, 9 H

High COP & Powerful Heating with Human Sensor model

CLASS **A** → ALL **DC**

ASYG09LT ASYG12LT

Wireless R.C. For ASYG09LT For ASYG12LT

High COP model

CLASS **A** → ALL **DC**

ASYG07LU ASYG09LU ASYG12LU ASYG14LU

Wireless R.C. For ASYG07/09LU For ASYG12/14LU

The LU series indoor units are compatible with our Multi System.

Type	2 rooms		3 rooms		4 rooms	8 rooms
Model name	AOYG14LAC2	AOYG18LAC2	AOYG18LAT3	AOYG24LAT3	AOYG30LAT4	AOYG45LAT8 (Branch Box)
Capacity (kW) Cooling	4.0	5.0	5.4	6.8	8.0	14.0
Heating	4.4	5.6	6.8	8.0	9.6	16.0
Model name kW Class						
ASYG07LU 2.0	□	□	□	□	□	□
ASYG09LU 2.5	□	□	□	□	□	□
ASYG12LU 3.5	□	□	□	□	□	□
ASYG14LU 4.0			□	□	□	□

Feature Summary

	i-PAM	Human Sensor	Powerful Heating	Up/Down	Adjust	Restart	Auto Changeover	10°C HEAT	Economy	POWERFUL	Low noise	Sleep	Program	Weekly	Filter	Ion	AF
LT series	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
LU series	□		□	□	□	□	□	□	□	□	□	□	□	□	□	□	□

10

Feature Explanation

Energy label : There are seven classifications of energy efficiency, from A to G. The most efficient level is "A" and the least efficient level is "G".

All DC inverter technology : By All DC inverter control, electricity loss is decreased and power consumption is substantially reduced.

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

Human sensor : Human sensor catches movements of people in a room.

Powerful heating : Rated heating capacity is maintained up to an outdoor temperature lower than –7°C and operation can be performed even at low outdoor temperature.

Up / down swing flaps : The up/down flaps automatically swing up and down.

Automatic air flow adjustment : The micro-computer automatically adjusts the air flow 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 the power supply is restored.

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

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.

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

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

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

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.

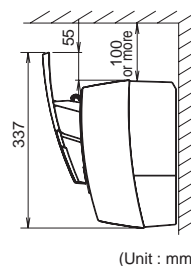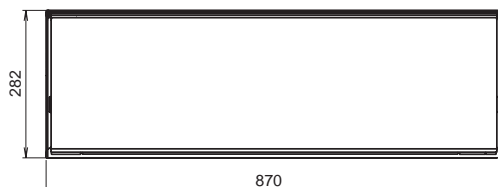**Filter sign :** Indicates the filter cleaning period by lamp.

Long-life 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 : Fine dust, invisible mold spores, and harmful microorganisms are absorbed onto the filter by static electricity, and further growth is inhibited and deactivated by the polyphenol extracted from apples.

Specifications

Series			LT series		LU series			
Model No.	Indoor unit		ASYG09LT	ASYG12LT	ASYG07LU	ASYG09LU	ASYG12LU	ASYG14LU
	Outdoor unit		AOYG09LT	AOYG12LT	AOYG07LU	AOYG09LU	AOYG12LU	AOYG14LU
Power Source		V/ Ø/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	2.5(0.9~3.5)	3.5(1.1~4.0)	2.0(0.5~3.0)	2.5(0.5~3.2)	3.5(0.9~4.0)	4.2(0.9~5.0)
	Heating		3.2(0.9~5.4)	4.0(0.9~6.5)	3.0(0.5~4.0)	3.2(0.5~4.2)	4.0(0.9~5.6)	5.4(0.9~6.0)
Input Power	Cooling / Heating	kW	0.505/0.660	0.850/0.910	0.460/0.660	0.555/0.680	0.905/0.930	1.235/1.380
EER - Energy Class	Cooling	W/W	4.95-A	4.12-A	4.35-A	4.50-A	3.87-A	3.40-A
COP - Energy Class	Heating		4.85-A	4.40-A	4.55-A	4.71-A	4.30-A	3.91-A
Running Current	Cooling / Heating	A	2.6/3.3	4.0/4.3	2.6/3.4	3.1/3.4	4.6/4.7	5.8/6.3
Moisture Removal		l/h	1.3	1.8	1.0	1.3	1.8	2.1
Noise (Indoor)	Cooling H / M / L / Q	dB(A)	42/36/32/21	43/37/32/21	38/35/31/21	42/36/32/21	43/37/32/21	45/40/33/25
Noise (Outdoor)	Cooling		50	48	46	48	50	50
Airflow Rate (High)	Indoor / Outdoor	m³/h	800/1,700	850/2,050	680/1,720	800/1,720	850/1,940	900/1,940
Net Dimension H x W x D	Indoor	mm	282×870×185	282×870×185	282×870×185	282×870×185	282×870×185	282×870×185
		kg(lbs)	9.5(21)	9.5(21)	9.5(21)	9.5(21)	9.5(21)	9.5(21)
	Outdoor	mm	540×790×290	620×790×290	540×660×290	540×660×290	540×790×290	540×790×290
		kg(lbs)	33(73)	40(88)	23(51)	25(55)	33(73)	34(75)
Piping Connections (Small / Large)		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drain Pipe Diameter (Inner / Outer)			16/29	16/29	16/29	16/29	16/29	16/29
Max Pipe Length (Pre-Charge)		m	20(15)	20(15)	20(15)	20(15)	20(15)	20(15)
Max Height Difference			15	15	15	15	15	15
Operation Range	Cooling	°CDB	-10~43	-10~43	-10~43	-10~43	-10~43	-10~43
	Heating		-20~24	-20~24	-15~24	-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A

Dimensions

282
870
185
55
100 or more
337

(Unit : mm)

Optional parts

- Wired Remote Controller : UTY-RNNYM
- Simple Remote Controller : UTY-RSNYM
- Communication Kit : UTY-TWBXF
- External Connect Kit : UTY-XWZXZ5

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