



Flexible
Multi
System

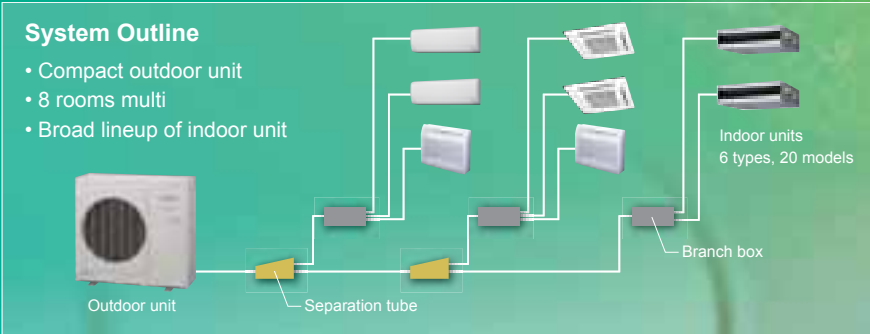


TENTATIVE

FUJITSU GENERAL LIMITED

High performance compact outdoor unit realizing high efficiency and comfort

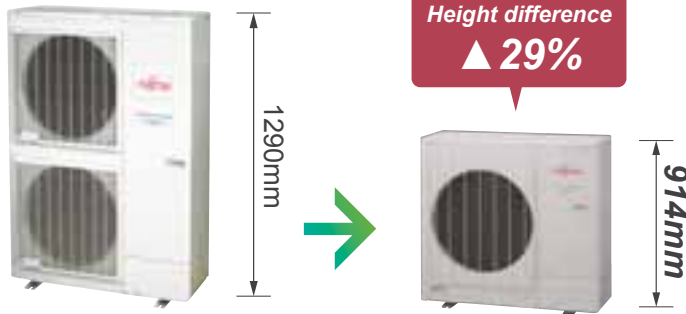
Flexible multi system contains high-level functions in a compact body to comfortably control 8 rooms. An indoor unit connection capacity from 11.2 kW to 18.2 kW is possible, and indoor units with a capacity of 2.0 kW to 7.0 kW can be selected and combined to meet the application. Installation is easy and saves space, so we can recommend this system for a wide range of applications including community housing, single-unit residences, and stores.



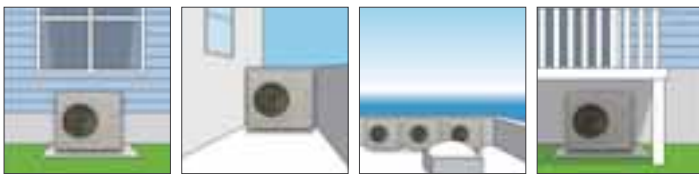
Compact Outdoor Unit



About 14kW class multi split model



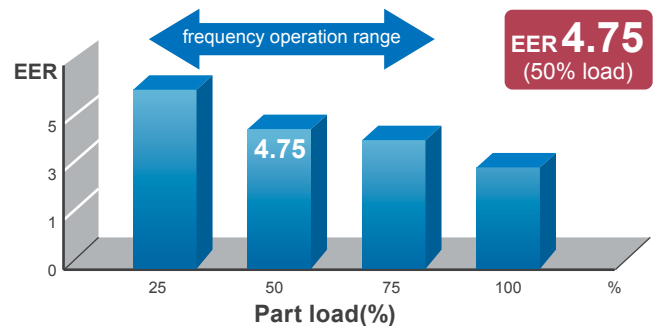
Compact and lightweight outdoor unit is easy to carry in. It can be installed in various obscure places.



High seasonal efficiency

The actual performance is conducted under various outside temperatures depending on weather and seasons, furthermore, especially for multi system, not all the rooms are operated all the time. So over 90% of actual operation time, air conditioners are operated at partial capacity instead of rated capacity. Considering these, we focused on energy-saving performance which is based on actual use.

Efficiency of part load performance was drastically improved by developing ALL DC and our own inverter system.



Innovated technology



High efficiency large fan :
New high efficiency fan is mounted.



DC fan motor :
High performance and high efficiency has been realized by using a small DC fan motor.



High efficiency DC twin rotary compressor :
A high performance, low noise, large capacity DC twin rotary compressor is used.

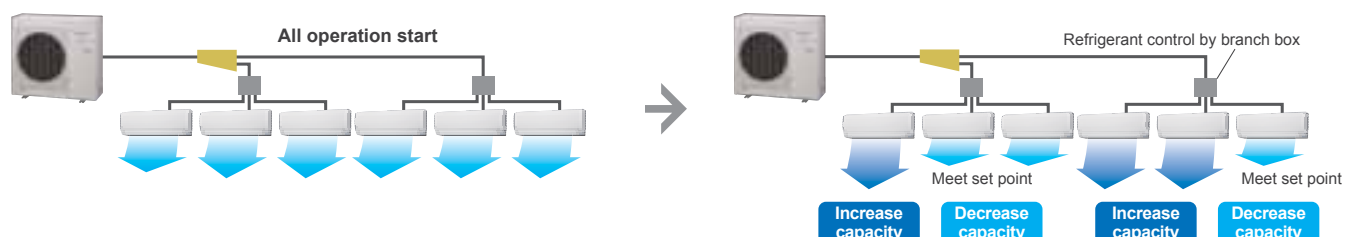


Heat exchanger :
Reduced compact size and energy saving has been realized by utilizing high density piping design and 3-Row heat exchanger.

More Comfort

Quick comfort by optimized refrigerant control

Every room meets set point most quickly and comfortably by optimized refrigerant control.

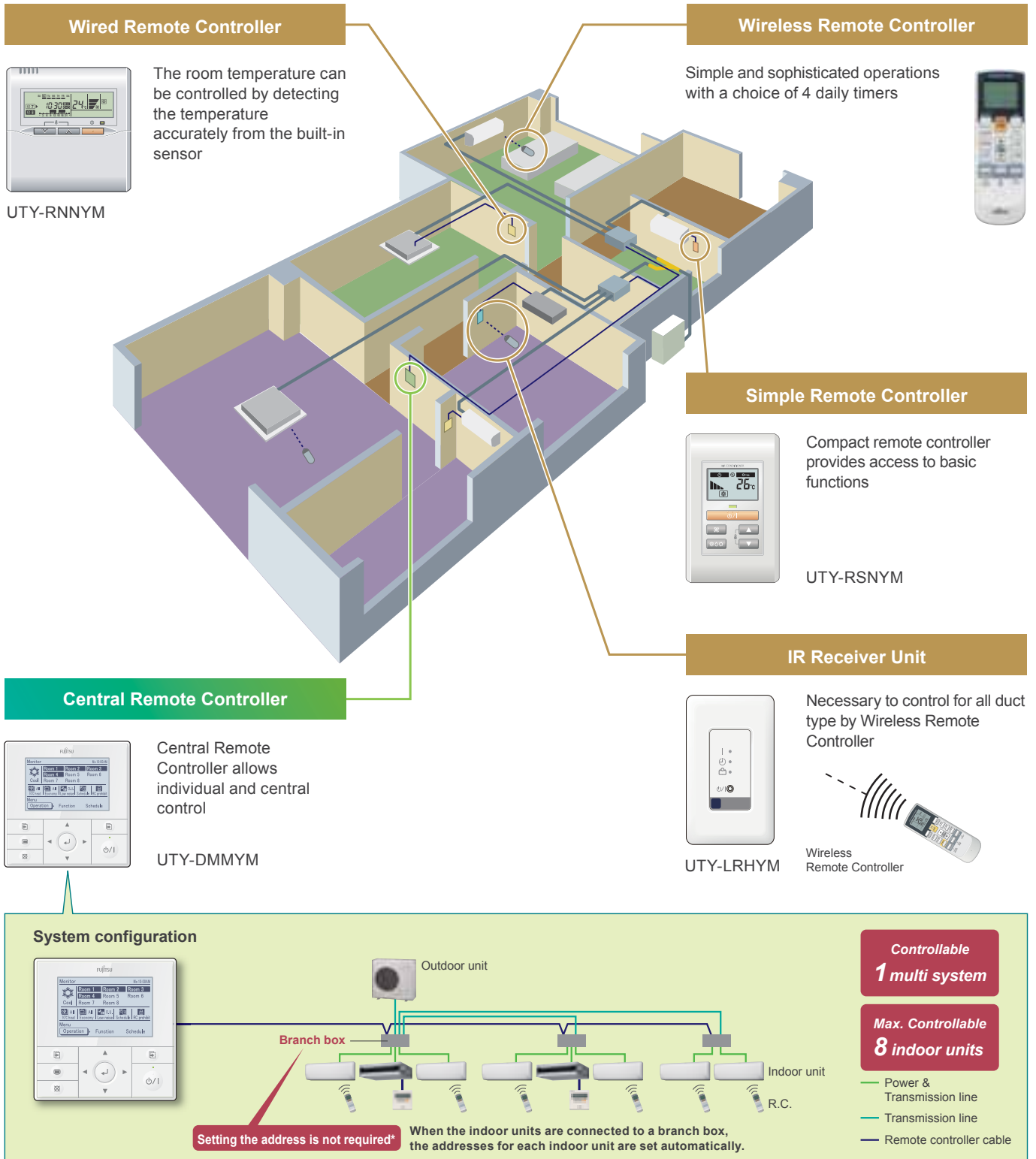


Convenient control system



System overview

All indoor units are provided with wireless or wired remote controllers as standard equipment. Other options, such as individual and central remote controllers, are also available. The easy-to-operate central remote controller makes it simple to control the operation mode, temperature, airflow volume, timer, and other functions of each indoor unit from a single location.



*Note : Cross-over connections are not allowed in the refrigerant system. Group settings are not allowed.

Central Remote Controller



Central remote controller developed for residential applications. All indoor units can be batched controlled using simple operations. Schedule management and other functions can be used to achieve even greater energy savings.



UTY-DMMYM

Central & Individual Control

Batched control of up to 8 indoor units. The temperature, airflow volume, and remote control prohibition settings of all indoor units can be batched.

User-friendly operation

- Large backlight LED screen
- Large easy-to-see operation panel

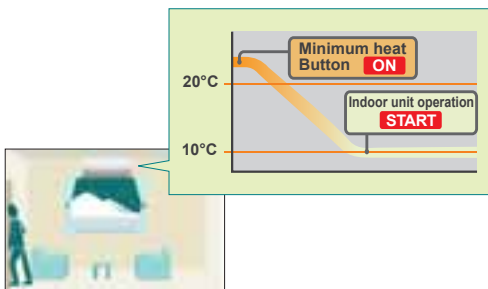
Multiple language support

Corresponds to 9 different languages (English, German, French, Spanish, Russian, Portuguese, Italian, Greek, and Turkish)

Comfort control

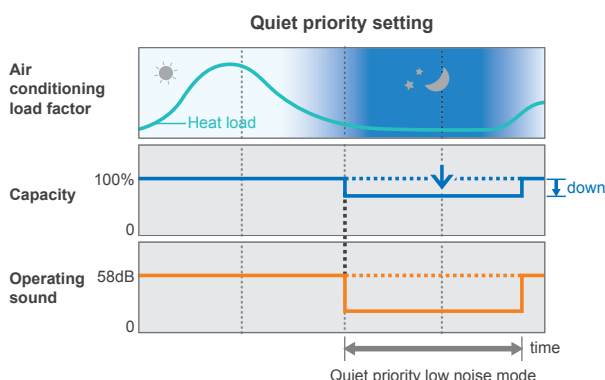
10°C heat operation

When you leave, minimum heating operation is performed to maintain the room temperature (maintain at 10°C).



Low noise operation

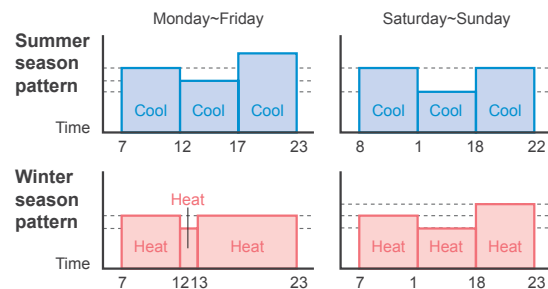
Users can choose from 4 low noise levels, depending on the installation environment. The operation time can be set using the timer.



Convenience

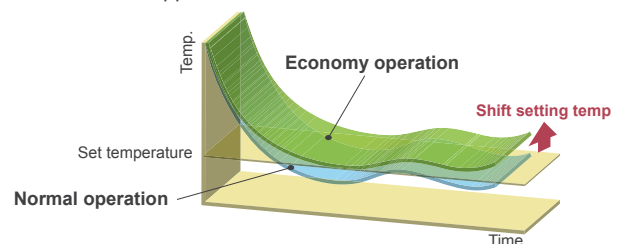
Weekly schedule timer

The ON/OFF setting can be set for 4 times a day. Two weekly patterns can be set to match the cooling and heating seasons.



Economy operation

Economy operation is energy saving, as the set temperature of indoor unit is shifted by 1°C and the maximum electric value of the outdoor unit is suppressed.



Prohibited Settings

The remote controller operation of all indoor units comes with a lock function to prevent unapproved operations in the various rooms. The central remote controller also has a key lock function to prevent children from playing with it, etc

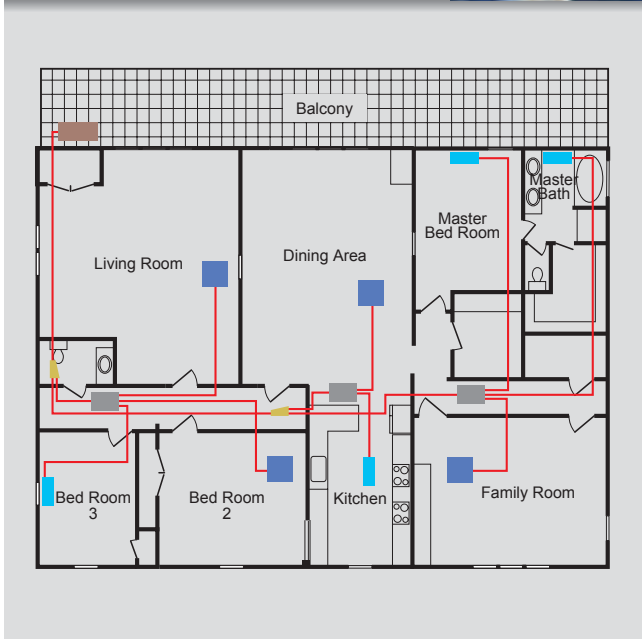
Flexible Design







A variety of installation patterns can be supported using the branch box connection method.

Examples

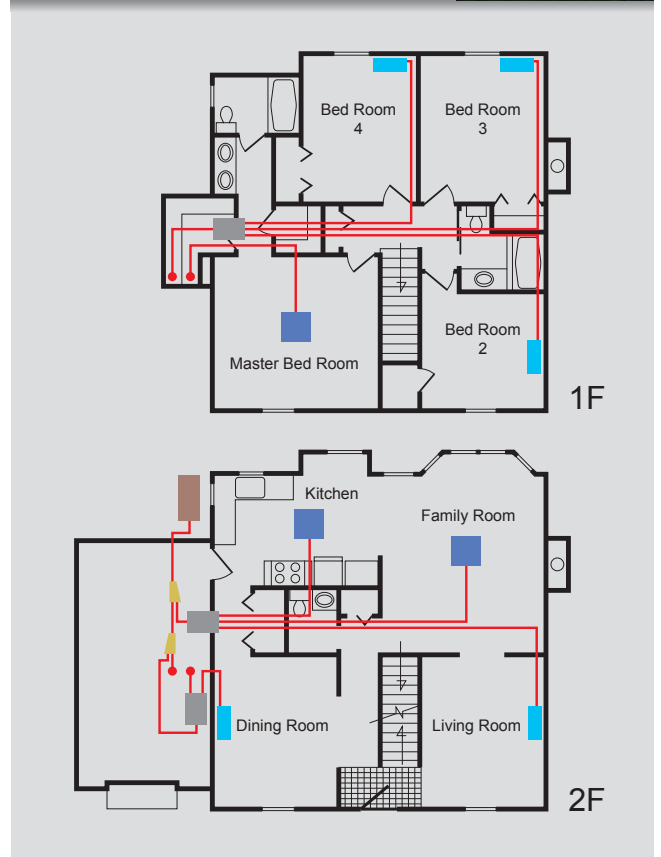
Residential 1-story home



-  Outdoor unit
-  2.5 kW Indoor unit
-  2.0 kW Indoor unit
-  Branch box

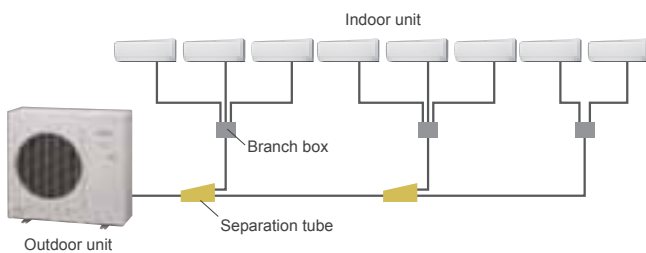
Examples

Residential 2-story home



Large capacity connection

Up to 8 indoor units can be connected to one outdoor unit. A maximum of 130% indoor unit connectable capacity. Match any room layout



Connectable indoor unit capacity
Ratio up to 130%

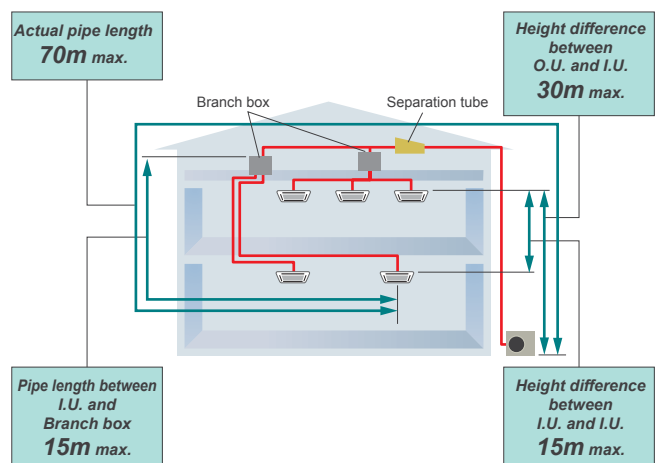
Connectable indoor unit number
Up to 8

*At least 2 units must be connected.

Long piping design

Can be installed in high rise condominium or commercial building

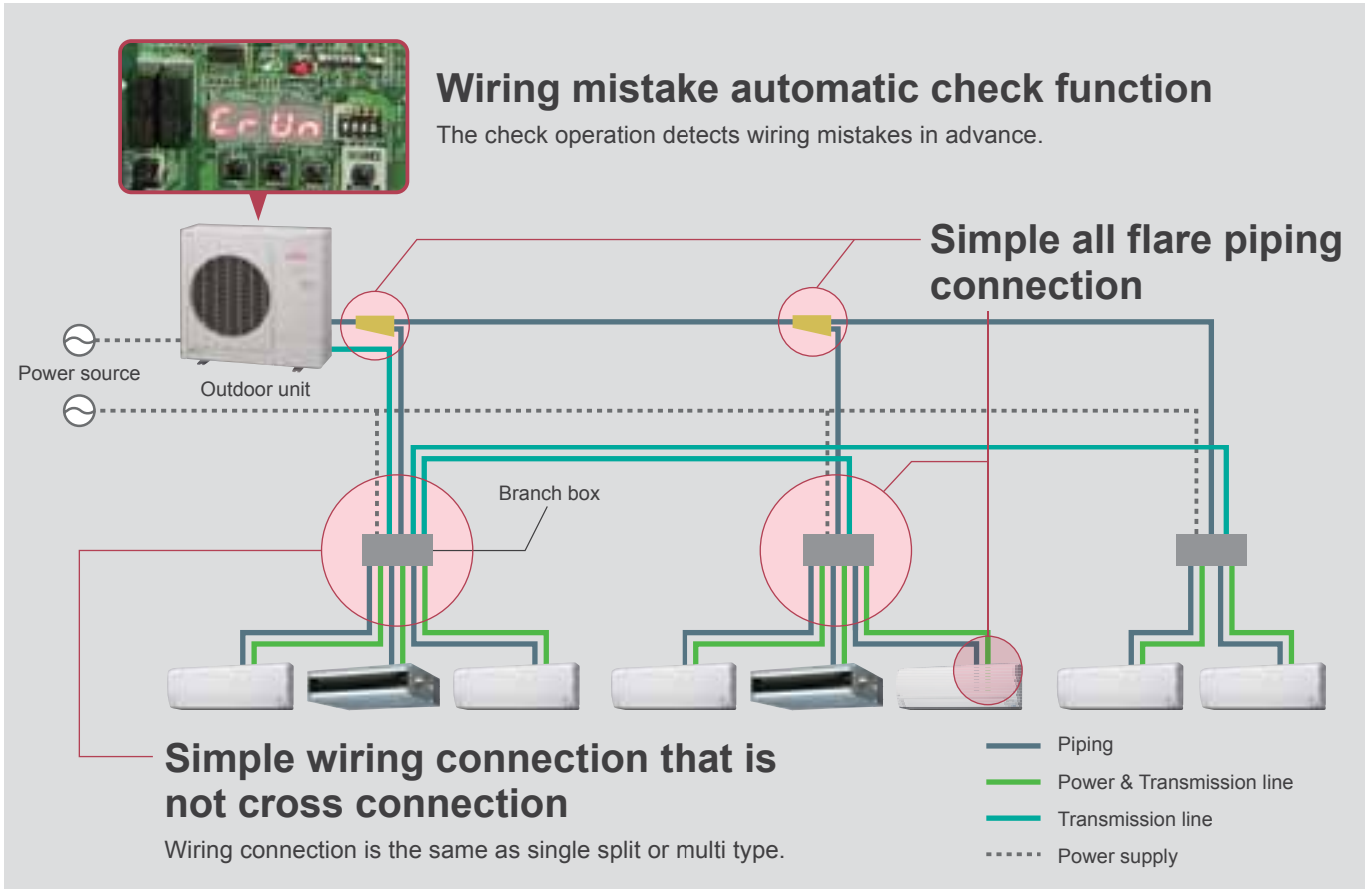
Total pipe length
115m max.



Easy Installation

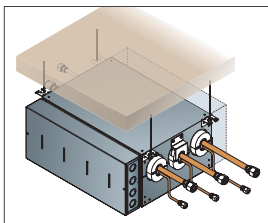


All flare piping connection and simple installation that minimizes wiring mistakes.



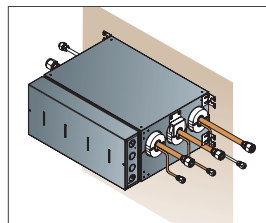
Branch Box

Allowed Branch Box Mounting Direction



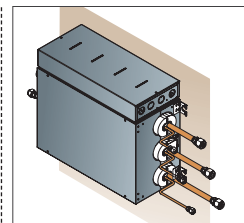
Hanging from the ceiling

Do not hang from the ceiling when performing a vertical installation.



Horizontal Wall Mounting

Install the unit with its top side facing upwards.



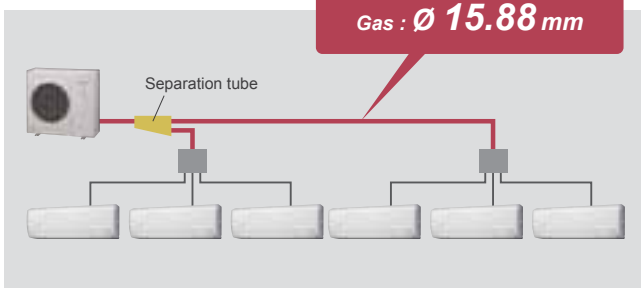
Vertical Wall Mounting

Install the unit with the control box facing upwards.

Common main pipe diameter

Common main pipe diameter improves piping workability.

Common
Liquid : $\varnothing 9.52 \text{ mm}$
Gas : $\varnothing 15.88 \text{ mm}$



Lightening of outdoor unit

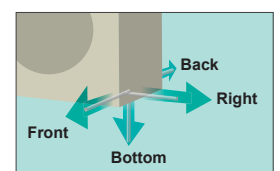
Easier to carry and install.

Can be carried by 2 people



4-way piping connection

Four directions piping connection is possible. The perfect route can be selected according to the installation.



Flexible Multi System Outdoor unit

AOYG45LAT8 DC



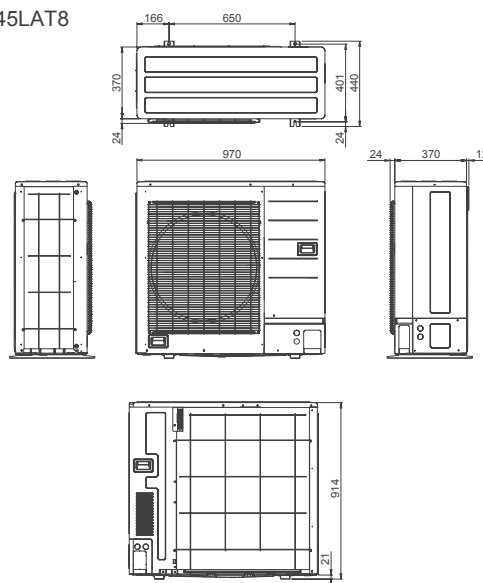
Specifications

Model name			AOYG45LAT8
Maximum Connectable Indoor Unit			8
Indoor unit connectable capacity	Cooling	kW	11.2 - 18.2
Power source		V/∅/Hz	230/1/50
Rated Capacity	Cooling	kW	14.0
	Heating		16.0
Input Power	Cooling	kW	5.20
	Heating		5.07
Air flow rate	Cooling	m ³ /h	4,650
	Heating		4,800
Sound pressure level	Cooling	dB(A)	56
	Heating		58
Heat exchanger fin			Plate fin coil
Net Dimensions H x W x D		mm	914 x 970 x 370
Weight		kg(lbs)	98 (217)
Piping Connections (Small / Large)		mm	9.52/15.88
Max Pipe Length			115 (Total)
Max Height Difference (O.U ~ I.U)		m	30
Operating range	Cooling	°CDB	-5 to 46
	Heating		-15 to 24
Refrigerant			R410A

Dimensions

Outdoor Unit
AOYG45LAT8

(Unit : mm)



Connectable Indoor unit lineup

Full lineup of 6 types and 20 models

Class	7,000BTU 2.0kW	9,000BTU 2.5kW	12,000BTU 3.5kW	14,000BTU 4.0kW	18,000BTU 5.0kW	24,000BTU 7.0kW
Compact Wall Mounted	 ASYG07LJCA	 ASYG09LJCA	 ASYG12LJCA			
Wall Mounted					 ASYG18LFCA	 ASYG24LFCA
Floor		 AGYG09LVCA	 AGYG12LVCA	 AGYG14LVCA		
Floor / Ceiling				 ABYG14LVTA	 ABYG18LVTA	
Compact Cassette	 AUYG07LVLA	 AUYG09LVLA	 AUYG12LVLA	 AUYG14LVLA	 AUYG18LVLA	
Slim Duct	 ARYG07LLTA	 ARYG09LLTA	 ARYG12LLTA	 ARYG14LLTA	 ARYG18LLTA	

Feature Explanation

Comfortable function



Up / down swing flaps

The up/down flaps automatically swing up and down.



Auto restart

In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power supply is restored.



Connectable fresh air duct



Double swing automatic

Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.



Auto-changeover

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



Fresh air intake

Fresh air can be taken in by a fan which can be connected using external control unit.



Automatic air flow adjustment

The micro-computer automatically adjusts the air flow effectively to follow the changes of 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.

Clean function



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.



Washable panel

Convenient function



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 + setback timer

Weekly + Setback timer can set temperature for two times spans and for each day of the week.

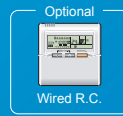


Filter sign

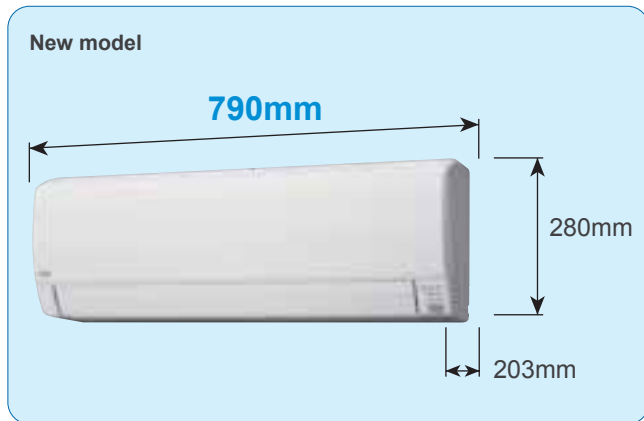
Indicates the filter cleaning period by lamp. To enable Filter sign, it has to be selected on the function setting.

Compact Wall Mounted Type Simple design with energy saving.

ASYG07LJCA
ASYG09LJCA
ASYG12LJCA



Compact design



Air conditioner filter features

Long-life* ion deodorization filter

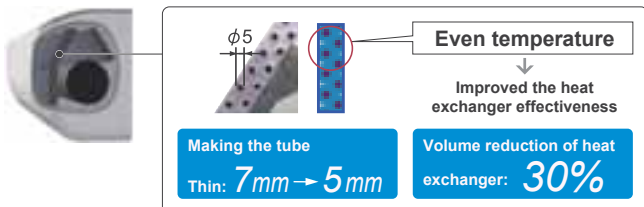
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

*The filter can be used for approx. 3 years if it is washed under water to restore its surface action when it is dirty.

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.

High density heat transfer tube arrangement



Easy maintenance

Removable & washable panel



More Comfort & Convenience

- Powerful cooling & heating by using DC fan motor
- Auto-restart function memorizes the operating mode as before, once the power supply is restored.
- Comfortable timer (ON, OFF, PROGRAM, SLEEP)

Optional parts

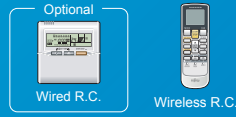
- Wired Remote Controller: UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- External Connect Kit: UTY-XWZX
- Communication Kit: UTY-XCBXZ1
- Apple Catechin Filter: UTR-FA16 (Replacement parts)
- Ion Deodorization Filter: UTR-FA16-2 (Replacement parts)

Specifications

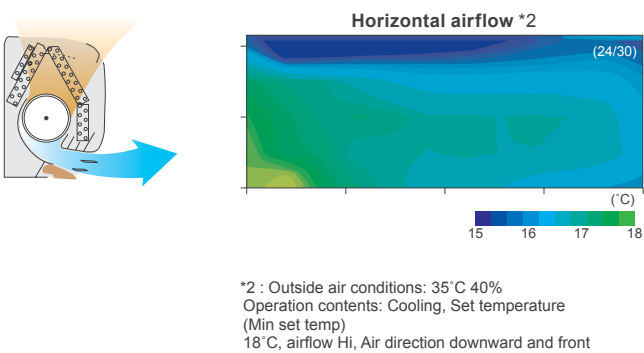
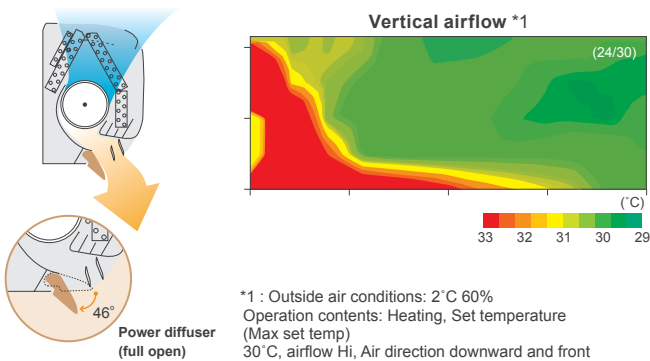
Model No.			ASYG07LJCA	ASYG09LJCA	ASYG12LJCA
Power source	V/∅/Hz		230/1/50	230/1/50	230/1/50
Air flow rate (C/H)	High	m ³ /h	560/560	600/600	660/660
Sound pressure level (C/H)	High	dB(A)	36/36	37/37	40/40
	Med		32/32	33/33	36/36
	Low		29/29	29/29	30/31
	Quiet		25/25	25/25	25/25
Dimensions H x W x D		mm	280 x 790 x 203		
	Net Weight	kg(lbs)	8(18)		
Connection pipe diameter	Liquid	mm	∅6.35		
	Gas		∅9.52		

Wall Mounted Type Simple & elegant appearance design

ASYG18LFCA
ASYG24LFCA



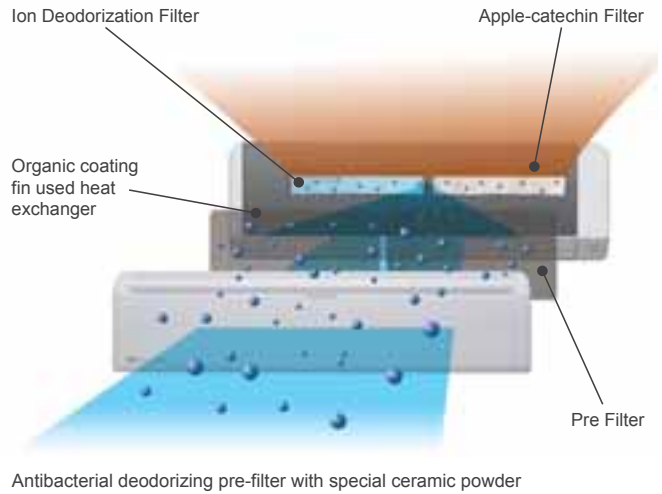
“Vertical airflow” provides powerful floor level heating & “Horizontal airflow” does not blow cool air directly at the occupants in the room



Easy maintenance

Simplification of drain pan cleaning improves maintenance-ability.

Air conditioner filter features



Optional parts

- Wired Remote Controller: UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- External Connect Kit: UTY-XWZX
- Apple Catechin Filter: UTR-FA13-1 (Replacement parts)
- Ion Deodorization Filter: UTR-FA13-2 (Replacement parts)

Specifications

Model No.		ASYG18LFCA		ASYG24LFCA	
Power source	V/ø/Hz	230/1/50		230/1/50	
Air flow rate (C/H)	High	m³/h		900/900	
Sound pressure level (C/H)	High	dB(A)		43/42	
	Med			37/37	
	Low			33/33	
	Quiet			26/25	
Dimensions H x W x D Net Weight	mm	320 x 998 x 228			
	kg(lbs)	14(31)			
Connection pipe diameter	Liquid	mm		ø6.35	
	Gas			ø12.70	
				ø15.88	

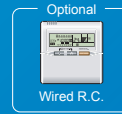
Floor

Simple & Thin design harmonizes with the interior

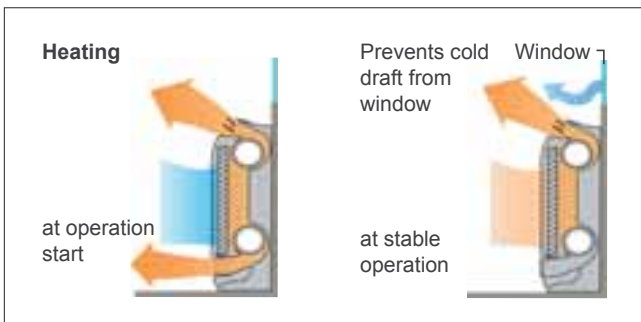
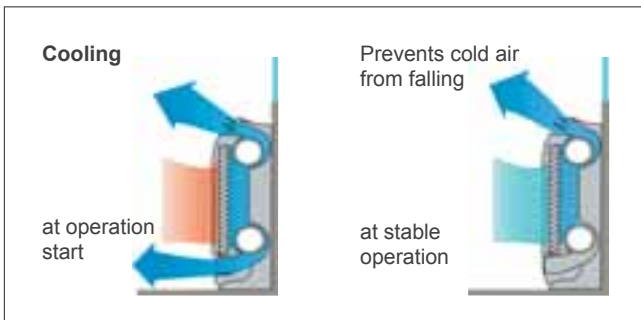
AGYG09LVCA
AGYG12LVCA
AGYG14LVCA



Wired R.C.
Optional



2-Fan & Wide airflow



Filter features

Long-life* ion deodorization filter

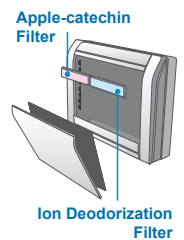
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

*The filter can be used for approx. 3 years if it is washed under water to restore its surface action when it is dirty.

✚ Using different filters at both sides

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.



Easy maintenance

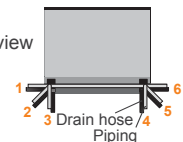
Washable panel removable

Removable panel



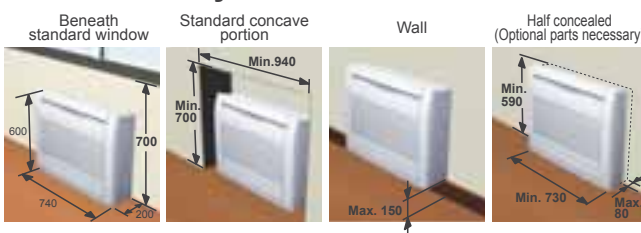
Flexible piping connection 6 direction of drain & piping

Back view



Flexible & easy installation

(unit:mm)



Optional parts

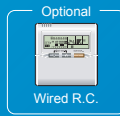
- Wired Remote Controller: UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- Half Concealed Kit: UTR-STA
- External Connect Kit: UTY-XWZX
- Apple Catechin Filter: UTR-FC03-2 (Replacement parts)
- Ion Deodorization Filter: UTR-FC03-3 (Replacement parts)

Specifications

Model No.		AGYG09LVCA	AGYG12LVCA	AGYG14LVCA
Power source	V/ø/Hz	230/1/50	230/1/50	230/1/50
Air flow rate (C/H)	High	m³/h	530/530	600/600
Sound pressure level (C/H)	High	dB(A)	39/39	42/42
	Med		34/35	36/38
	Low		28/30	30/32
	Quiet		22/22	22/22
Dimensions H x W x D Net Weight	mm	600 x 740 x 200		
	kg(lbs)	14(31)		
Connection pipe diameter	Liquid	mm	ø6.35	
	Gas	mm	ø9.52	
				ø12.70

Floor / Ceiling

ABYG14LVTA
ABYG18LVTA



Flexible installation

Example for floor installation

Floor console



Example for ceiling installation

Under ceiling



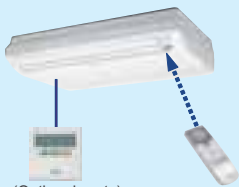
Easy installation

Main work settings can be done easily from the remote controller at installation

Main work settings

- High ceiling setting
- Auto restart
- Temperature adjustment when cooling / heating

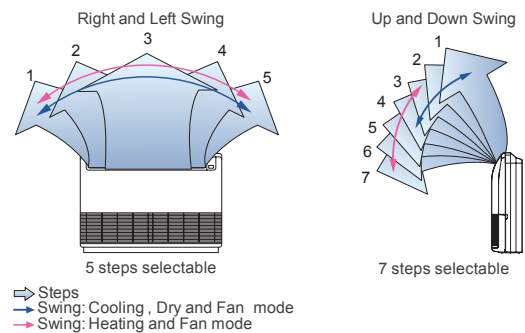
Setting by wireless or wired remote controller



(Optional parts)

Double auto swing

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



Optional parts

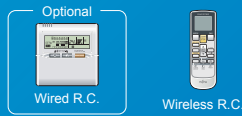
Wired Remote Controller: UTY-RNNYM
Simple Remote Controller: UTY-RSNYM
External Connect Kit: UTY-XWZX

Specifications

Model No.		ABYG14LVTA		ABYG18LVTA	
Power source	V/ø/Hz	230/1/50		230/1/50	
Air flow rate (C/H)	High	m³/h		640/640	
Sound pressure level (C/H)	High	dB(A)		36/36	
	Med			34/34	
	Low			33/33	
	Quiet			29/29	
Dimensions H x W x D Net Weight	mm	199 x 990 x 655			
	kg(lbs)	27(60)			
Connection pipe diameter	Liquid	mm		ø6.35	
	Gas			ø12.70	

Compact Cassette Powerful wide air flow & Quiet operation

AUYG07LVLA
 AUYG09LVLA
 AUYG12LVLA
 AUYG14LVLA
 AUYG18LVLA



Grille is an option

Easy maintenance

1 Maintenance of fan motor and fan

Maintenance of the fan motor and fan can be done easily after taking off the panel as the bell mouth of the fan can be removed easily.

A : Fan motor B : 2-stage turbo fan
 C : Bell-mouth D : Panel

2 Long life filter

: standard equipment



3 Adaptation of transparent drainage parts

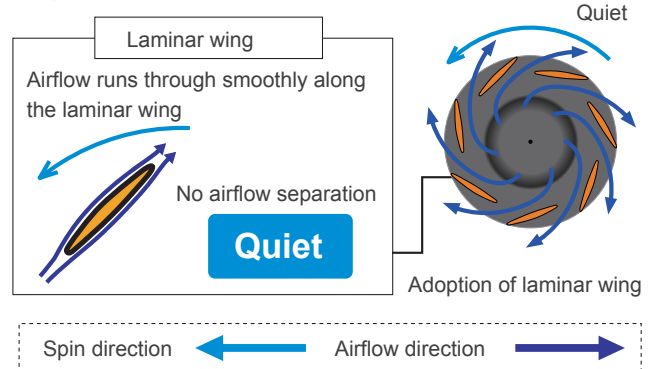
transparent drainage parts

During installation, maintenance and operation, the drain pump and kit can be checked easily.

Quiet quality

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

Designed by CFD-analysis (fluid) simulations



2-stage turbo fan

High efficiency design by 2 stage structure

Wind velocity

Fast

Slow

2-stage turbo fan

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

Heat exchange efficiency: **20%UP**

Optional parts

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

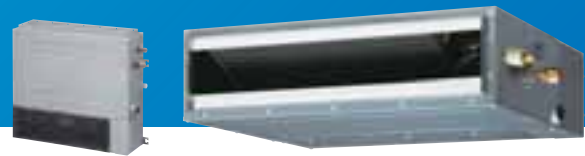
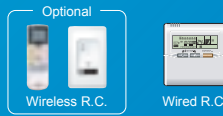
Specifications

Model No.		AUYG07LVLA	AUYG09LVLA	AUYG12LVLA	AUYG14LVLA	AUYG18LVLA
Power source	V/ø/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Air flow rate (C/H)	High	m³/h 540/540	540/540	610/610	680/700	750/800
	Med	33/34	33/34	37/37	40/40	42/44
Sound pressure level (C/H)	Low	31/32	31/32	33/33	35/37	37/41
	Quiet	29/29	29/29	31/31	32/34	33/37
		26/27	26/27	27/28	27/29	27/30
Dimensions H x W x D Net Weight	mm	245 x 570 x 570				
	kg(lbs)	15(33)				
Connection pipe diameter	Liquid	ø6.35				
	Gas	ø9.52		ø12.70		
Panel		UTG-UFYD-W				

Slim Duct

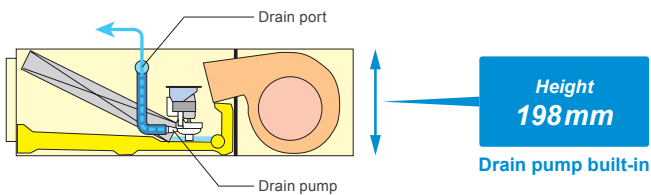
•Slim design with drain pump •Increase static pressure range •Dual concealed type

ARYG07LLTA
ARYG09LLTA
ARYG12LLTA
ARYG14LLTA
ARYG18LLTA



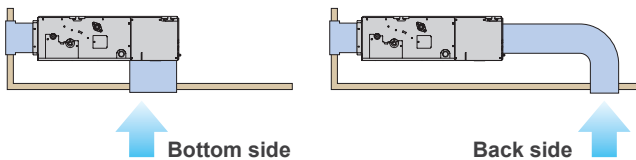
Slim design

This model is slim design, it can install at the place where a ceiling is narrow.



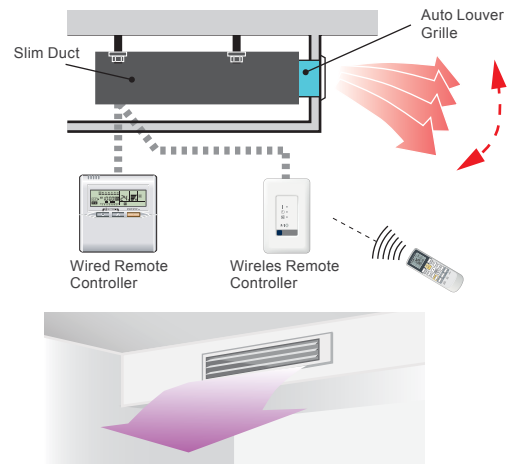
Air-intake

Air intake direction can be selected to match the installation site.



Auto Louver Grille Kit (Option)

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



Selectable with a wide range of static pressure

By using DC fan motor, it is possible to change the static pressure range 0 to 90Pa.

The change of static pressure range is possible by remote controller.



Static pressure range
0 to 90 Pa

Flexible installation

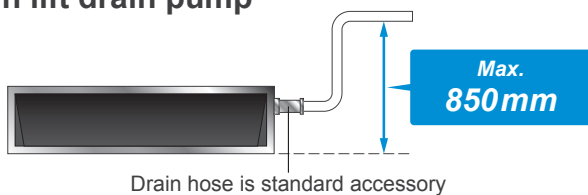
Ceiling concealed



Floor concealed



High lift drain pump



Drain hose is standard accessory

Optional parts

- Simple Remote Controller: UTY-RSNYM
- IR Receiver Unit: UTY-LRHYM
- Remote Sensor Unit: UTY-XSZX FUTURE RELEASE
- External Control Set: UTD-ECS5A
- Auto Louver Grille Kit: UTD-GYSA (for ARYG07/09/12/14LATU)
UTD-GYSB (for ARYG18LATU)

Specifications

Model No.		ARYG07LLTA	ARYG09LLTA	ARYG12LLTA	ARYG14LLTA	ARYG18LLTA
Power source	V/ø/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Air flow rate (C/H)	High	m³/h	550/550	600/600	650/650	800/800
Static pressure range		Pa	0 to 90			
Sound pressure level (C/H)	High	dB(A)	28/28	28/28	29/29	32/32
	Med		25/25	27/26	28/28	30/30
	Low		24/24	26/25	27/27	28/28
	Quiet		22/22	25/24	26/24	26/24
Dimensions H x W x D Net Weight	mm	198 x 700 x 620				198 x 900 x 620
	kg(lbs)	18(40)	19(41)			23(50)
Connection pipe diameter	Liquid	ø6.35				
	Gas	ø9.52			ø12.7	

Optional Parts

Connection Units

Branch Box

UTP-PY03A



3 zones type

UTP-PY02A



2 zones type

Separation tube

UTP-SX248A



Liquid pipe

Gas pipe

Controllers

Central Remote Controller
UTY-DMMYM



Wired Remote Controller
UTY-RNNYM



Simple Remote Controller
UTY-RSNYM



IR Receiver Unit
UTY-LRHYM
For Slim Duct Type



Others

Grille Kit

UTG-UFYD-W
For Compact Cassette type



Air Outlet Shutter Plate

UTR-YDZB
For Compact Cassette Type

Shuts the air outlet when only using as 3 blow out.



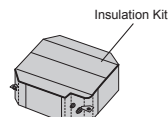
Fresh Air Intake Kit

UTZ-VXAA
For Compact Cassette Type



Insulation Kit for High Humidity

UTZ-KXGC
For Compact Cassette Type



Half Concealed Kit

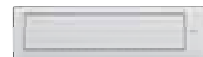
UTR-STA
For Floor Type

This kit is used to half conceal floor type indoor unit into the wall.



Auto Louver Grille Kit

UTD-GYSA
(for ARYG07/09/12/14LATU)
UTD-GYSB
(for ARYG18LATU)
For Slim Duct type



External Connect Kit

UTY-XWZX
For Compact Wall Mounted Type
Wall Mounted Type
Floor Type
Ceiling Type
Compact
Cassette Type



Communication Kit

UTY-XCBXZ1
For Compact Wall Mounted Type



Remote Sensor Unit

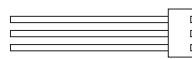
UTY-XSZX (FUTURE RELEASE)
For Slim Duct Type

New amenity space can be offered by installing the Remote sensor.



External Control Set:

UTD-ECS5A
For Slim Duct Type



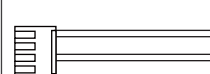
External connect kit

UTY-XWZXZ3
For Outdoor unit



External connect kit (For Base heater)

UTY-XWZXZ4
For Outdoor unit



Apple catechin filter

UTR-FA16
For Compact Wall Mounted Type
UTR-FC03-2
For Floor Type



Apple catechin filter

UTR-FA13-1
For Wall mounted type



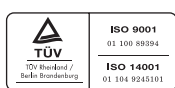
Ion deodorization filter

UTR-FA16-2
For Compact Wall Mounted Type
UTR-FC03-3
For Floor Type



Ion deodorization filter

UTR-FA13-2
For Wall mounted type



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Fujitsu General (Shanghai) Co., Ltd.



ISO 9001 Certified number : 00608Q11061R2M
Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.
ISO 14001 Certified number : 00609E20454R2M
Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.



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N807

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FUJITSU GENERAL LIMITED

1116, Suenaga, Takatsu-ku, Kawasaki 213-8502, Japan

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