



Multi Air Conditioning System for Buildings



Large Capacity Multi VRF System DC Inverter Control Compressor Long Piping System Design High Efficiency Refrigerant R410A

FUJITSU GENERAL LIMITED

Building air conditioning developed to care for people and their surroundings



Large Capacity Multi VRF System

The ability to connect 3 outdoor units together in series up to a total capacity of 42HP (120kW) in each 2HP offers greater design freedom, reducing the number outdoor units and piping installation space compared the conventional models.

DC Inverter Control Compressor

The introduction of high efficiency DC inverter compressors and the latest in control technology provides more precise operation, improving system efficiency, resulting in energy saving and better economy.

Long Piping System Design

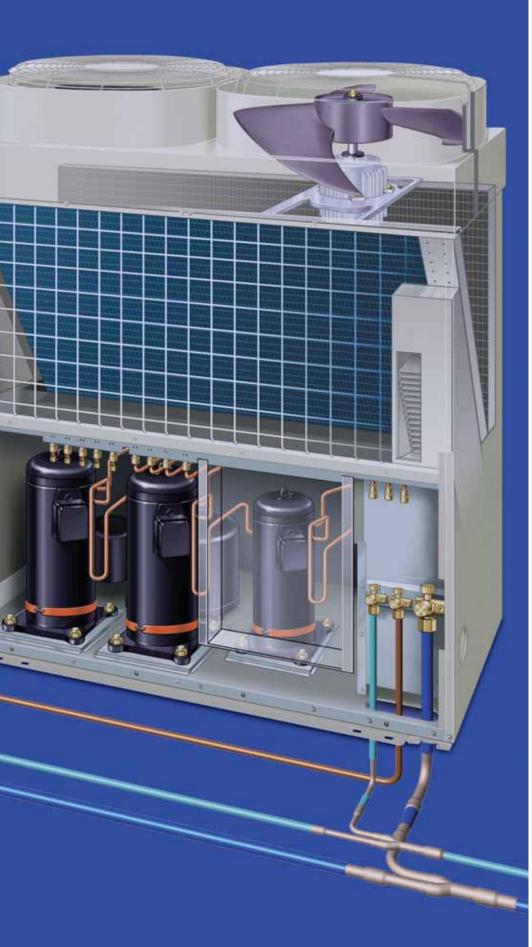
Maximum piping length 150m. Key design features allows 60m between the first separation tube and farthest indoor unit. This also allows use in large buildings and provides a high degree of design flexibility.

High Efficiency Refrigerant R410A

The V series systems operates using the zero ozone layer depleting potential, high efficiency refrigerant, R410A. This refrigerant provides increased energy efficiency, system performance and heat transfer, resulting in a reduction in pipe sizes compared to previous models. This also leads to cost savings during the installation phase of a project.



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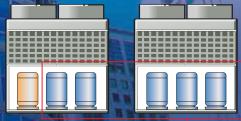
HIGH RELIABILITY

High reliability provides a constant comfortable indoor environment

Compressor rotation control

Improvement of long life by reducing compressor wear

In addition to control which reduces the number of times the compressor is started and stopped, the load at starting is shared and equalized by rotation control. This rotation improves the durability and reliability of each compressor.





Compressor starting rotation (Constant speed)

Inverter

Constant speed

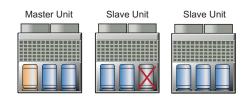
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Emergency operation

Outdoor unit

Continuous operation is possible even in the unlikely event of compressor failure

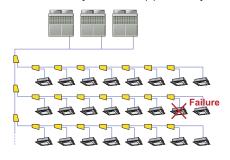
There is no immediate system shutdown if trouble occurs in any compressor. The other compressors continue to operate on an emergency basis.



Indoor unit

Continuous operation is possible even if trouble occurs at an indoor unit

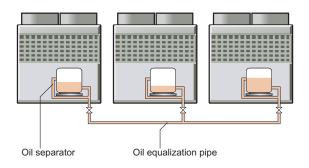
Each indoor unit is controlled individually on the system network. This allows all indoor units continue to run unaffected even if trouble should occur at any indoor unit(s) in one system.



Optimum oil control

Stable operation of compressor by optimum oil control

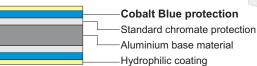
1	High trapping efficiency, large capacity cyclone type oil separator
2	Oil balance control which maintains uniform oil levels
3	Optimum EEV control for oil and refrigerant circulation

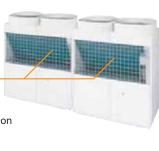


Blue fin heat exchanger mounted

Corrosion-resistance of the heat exchanger even in coastal areas has been improved by blue fin treatment of the outdoor unit heat exchanger.







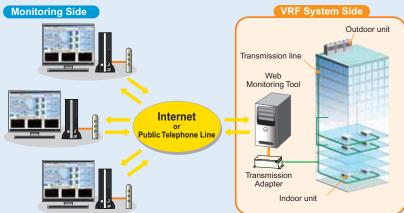
Web monitoring tool Software

UTR-YMSA

Trouble free operation at all times by web monitoring tool

The operational status of the VRF system within the building can be monitored in real time over the Internet.





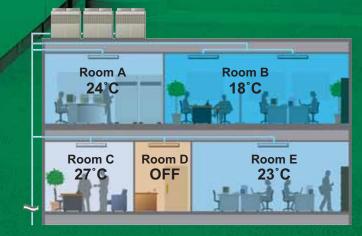
*Please contact your distributor for details.

IMPROVED COMFORT

Comfort ensured by high precision control technology

Individual air conditioning system

Pleasant air conditioning meeting individual room requirements.



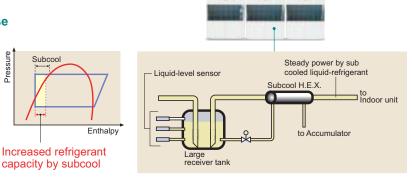
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Liquid level balance control

Pressure

Stable capacity and reduction of refrigerant noise by optimum state refrigerant

Balancing of the refrigerant in the system is optimized by liquid level balance control and subcool circuit between the receiver tanks of each outdoor unit. Stable refrigerant supply allows long pipe runs and achieves stable operational system performance whilst reducing unpleasant refrigerant noise.



Room temperature control

Comfort at any time by high precision refrigerant flow control

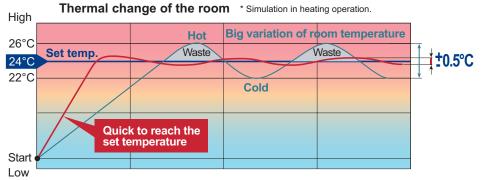
High precision ± 0.5°C ensures comfortable temperature control of the room. This is achieved by smooth refrigerant flow, controlled by inverter and by the indoor unit electronic expansion valve.

 Set temperature
 Conventional
 New model

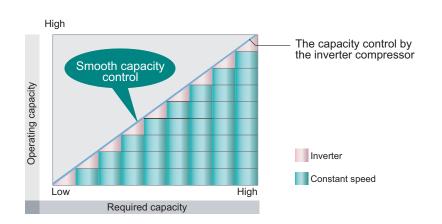
Inverter control

Comfort and energy saving achieved by implementation of inverter control

Comfort and energy saving is achieved by the adoption of linear step control in conjunction with inverter and constant speed compressor combination, which allows more precise control of the necessary refrigerant circulation amount required according to the system load. This also allows for a comfortable environment by use of smooth capacity control.



Comfortable due to small variation of room temperature



Super quiet

Outdoor unit

Quiet operating sound outdoor unit achieved

Operating noise has been reduced further through the application of a new dual casing bell mouth and large fan. The noise level can be reduced by 4-5dB (A) compared to normal operation by selecting silent operation.



Indoor unit

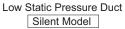
Quiet indoor units suited for bedrooms and other rooms which require quietness are available.













Compact Wall Mounted Comfort Model

HIGH EFFICIENCY OPERATION

High efficiency operation system

Effective use of the heat exchanger of other outdoor units Example

This system takes advantage of the features of the multi type outdoor unit

The heat exchanger is operated at maximum efficiency by effectively using the heat exchanger of each outdoor unit reciprocally. The larger heat exchanger than the capacity of a compressor is used in each outdoor unit. (V series)



14HP (Master unit)

Equipped with DC inverter scroll

compressor

Large propeller fan

A newly designed fan is adopted for achieving higher performance and reducing the noise level.

Sine-wave DC Inverter Control

By adopting Sine-Wave DC Inverter Control for smoothing the motor running, energy saving and high efficiency operation are realized

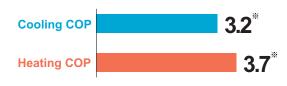
Adopted Sine-wave DC inverter control

DC inverter + Scroll compressor

By combining the DC inverter controlled scroll compressor with the constant speed scroll compressor, an operating system of energy saving and high efficiency is realized.

High efficiency

All key features of the outdoor unit result in a higher level of COP



* The data refers to a 10HP outdoor unit.

* "COP" is the coefficient of performance [= capacity (kW) ÷ input power (kW)].

*COP values are base on our own testing method.

High efficiency refrigerant R410A

Improvement of operation efficiency realized by adoption of a new refrigerant



Refrigerant characteristics (Comparison of R22 / R407C / R410A)

Refrigerant	R22	R407C	R410A
Composition element	Single component	Blended (Zeotrope)	Blended (Near azeotrope)
Working Pressure (As compared to R22)		Similar	Higher (1.6 times)
Capacity (As compared to R22)		Similar	Higher (1.5 times)
Pressure Loss (As compared to R22)		Similar	Lower (0.6 times)
Total Efficiency (As compared to R22)		Similar	Higher (1.05 times)

DESIGN FREEDOM

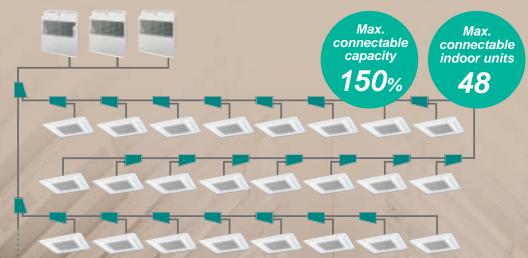
Design features ensure solutions for all applications

Connectable large capacity

Indoor units up to 150% of the capacity of the outdoor unit can be connected

The Indoor unit connection ratio of this system can be from 50 to 150%(*1) of the outdoor unit capacity, thus achieving a high level of diversification with up to 48 indoor units (30 to 42HP) connectable on one refrigerant system.

*1 Indoor unit connectable capacity is 75 to 150% for single outdoor unit system (8 - 14HP) in case of including indoor unit model code 18 and under in the system.

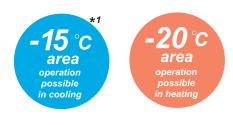


Note : When all indoor units are operating at maximum capacity individual indoor units operate at a slightly lower capacity.(When connecting more than 100%)

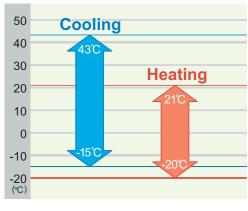
Low outdoor air temperature operation

Expansion of operating ranges

World's top class low outdoor air temperature operating range is achieved. This extends the potential locations for use to the cold regions of the world.

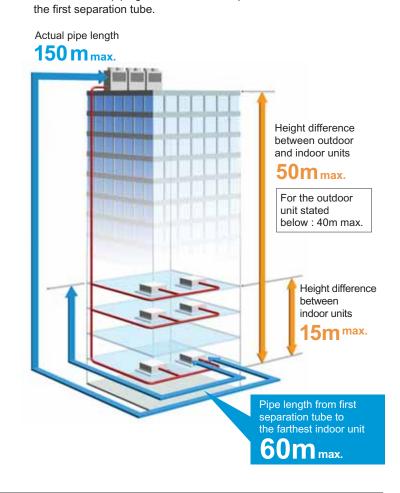


*1 Note : When outdoor units connect multiple, operating range is from -5℃ to 43℃ in cooling.



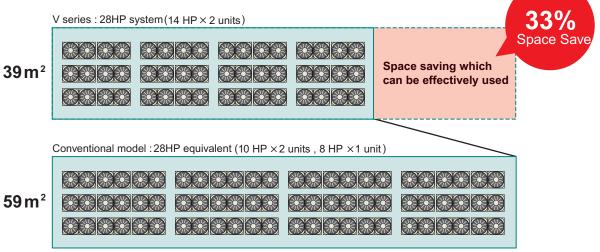
Long piping system design

With the V Series, installation up to a maximum piping length of 150m and a maximum height difference of 50m is possible. In addition, the piping can be extended up to a maximum of 60m from



Compact outdoor unit improves effective use of space

Installation space can be reduced freeing up valuable building space



* 12 floors building (28HP capacity is required by each floor)

EASY INSTALLATION

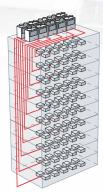
Multi air conditioning system for large buildings with numerous superior construction work features



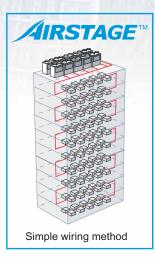
Simple communication wiring

Connection method simplifies installation and prevents errors

By using our wiring connection method, the wiring length is reduced compared to other wiring systems.

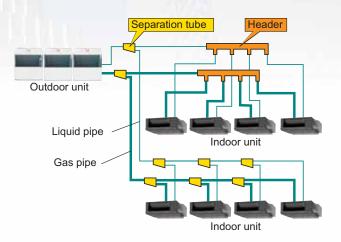


Other wiring method

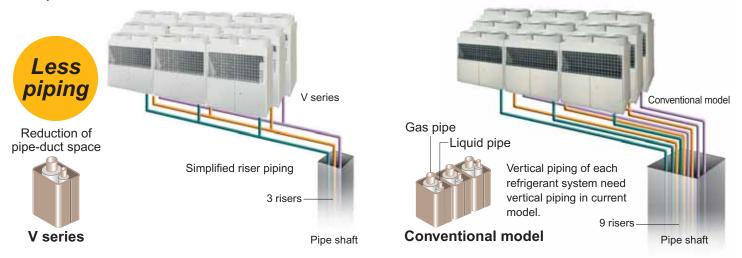


Simple piping system

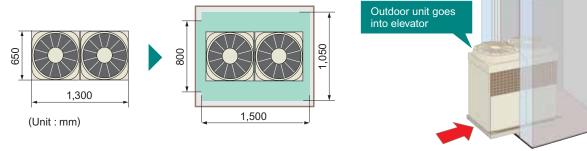
Separation tubes and headers provide connection flexibility and simplicity reducing installation costs.



Piping system allows reduction of the number of pipes Example: 90HP=10HP x 3units x 3



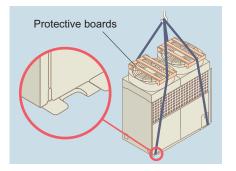
Compact outdoor unit can be carried in a small elevator



Lifting belt hooks convenient in crane work

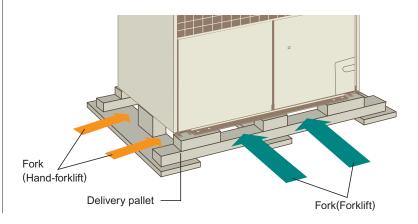
Craning into place

The outdoor unit can be lifted by crane and set down on the building roof.



Easy removing pallet

Delivery pallet can be easily removed and installation work can be performed speedily.



Pipe size reduction

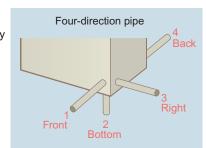
Use of R410A refrigerant allows for a pipe size reduction compared to the conventional system. This offers improvement in construction work and a reduction in piping costs.



Choice of 4-direction piping connection

Piping connection

4-direction piping allows a variety of installation configurations. Easy installation and pipe direction setting.

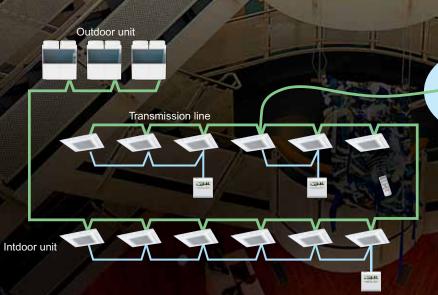


SERVICE & MAINTENANCE

This VRF V Series has numerous special features which incorporate our newest technology. Service and maintenance are performed accurately and speedily. Confidently use pleasant air conditioning anytime.

Improves maintenance and inspection mobility (Service Tool)

Extremely portable and convenient USB type adaptor was used. Connection anywhere in the VRF network is easy. Data can be collected from device sensors at a minimum interval of 2 second, and maintenance and inspection work can performed easily.



Service Tool Software

1 1 2



USB adaptor (Field supplied)

Operating display

Outdoor unit

By indicating the operating status and details of failures on a PCB in the outdoor unit, better service and quick and easy maintenance are possible.



Indoor unit

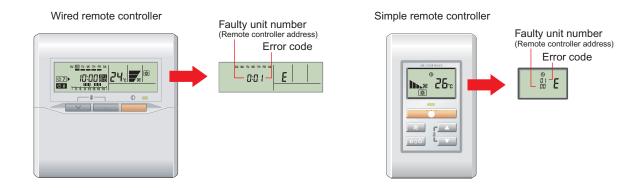
The operation status of the indoor unit can be easily checked by

operation indicator. In addition, when an error occurs, the error

contents are displayed and repair work can be performed quickly.

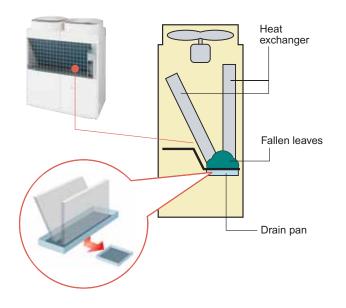
Error display with self-diagnosis function

When an error or abnormality occurred in the system, the indoor unit No. and error code at which the error occurred are displayed at the display section of the controller. (Except wireless remote controller)



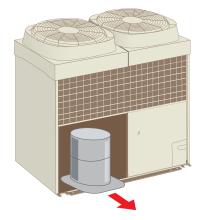
Drain pan cleaning is easy

Detachable drain pan simplifies removal of fallen leaves collected in the drain pan at the bottom of the heat exchanger



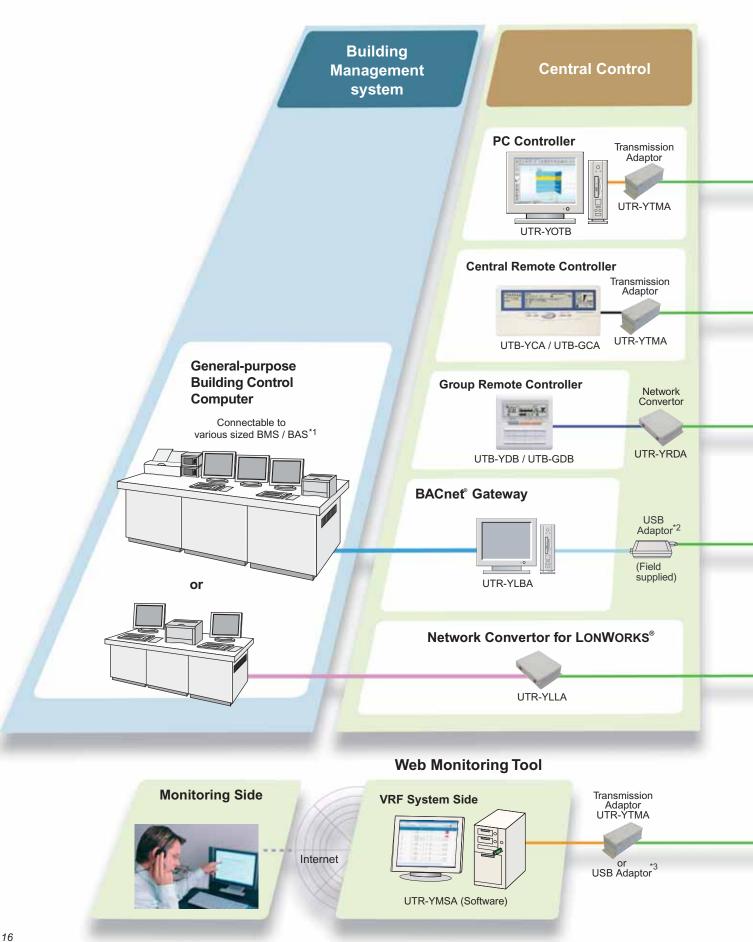
Easy replacement

Compressor can be moved by pull-out tray which simplifies inspection and replacement work. A pull-out plate ensures easy compressor replacement if necessary.

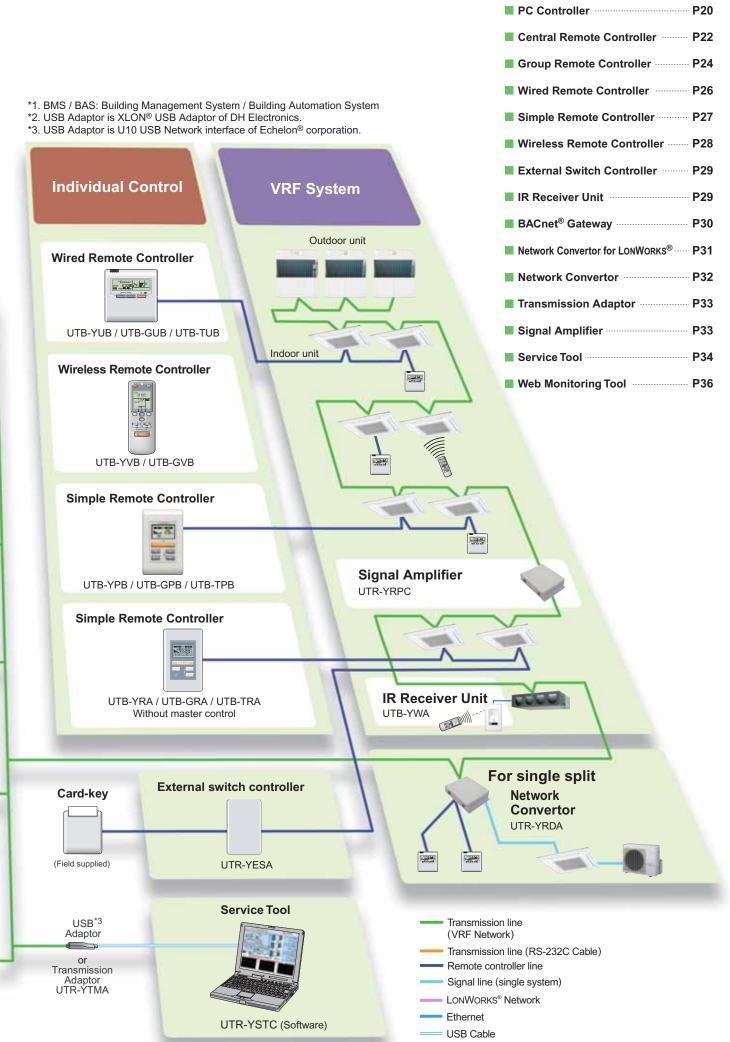


Control System

It supports every user's needs by offering a variety of control systems available, such as individual control, central control and building management system control options



CONTROL



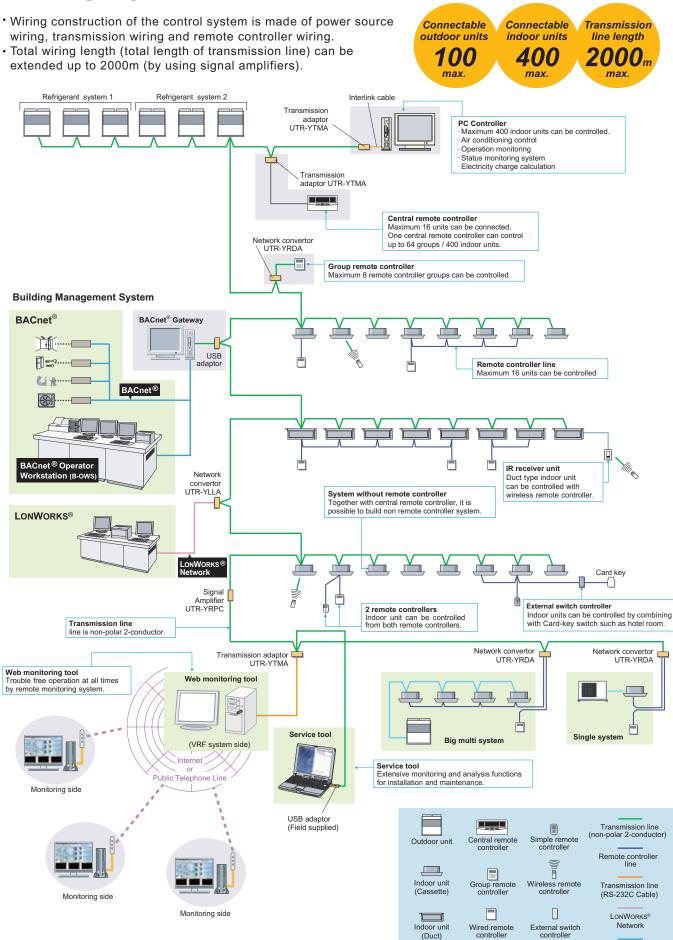
CONTRO

Comparison with Controllers

	ltem	PC controller (software)	Central remote controller	Group remote controller	Wired remote controller	Wireless remote controller	Simple remote controller	Simple ^{*2} remote controller
Model		UTR-YOTB	UTB-YCA UTB-GCA	UTB-YDB UTB-GDB	UTB-YUB UTB-GUB UTB-TUB	UTB-YVB UTB-GVB	UTB-YPB UTB-GPB UTB-TPB	UTB-YRA UTB-GRA UTB-TRA
Max. controllable remote controller groups		400	400	8	1	1	1	1
Max. controllable indoor units		400	400	96	16	16	16	16
I	x. controllable groups	400	64	—	—	—	—	—
	On / Off	•	•	•	•	•	•	•
Ę	Operating mode setting	•	•	•	•	•	•	—
function	Fan speed setting	•	•	•	•	•	•	•
trol fu	Room temp. setting	•	•	•	•	•	•	•
contr	Test operation	•	•	—	•	•	•	—
	Up / down air direction flap setting	•	•	_	•	•	—	_
conditioning	Right / left air direction flap setting	•	•	—	•	•	—	—
cone	Auto restart ^{*1}	•	•	•	•	•	•	•
Air	Group setting	•	•	—	—	—	—	—
	RC prohibition	•	•	—	—	—	—	—
	Failure	•	•	•	•	—	•	•
	Defrosting	•	•	_	•	_	•	•
	Current time	•	•	•	•	•	—	—
Display	Day of week	•	•	•	•	_	—	—
D	R.C.prohibition	•	•	—	•	—	•	•
	Cooling / heating priority	•	•	•	•	—	•	•
	Address display	•	•	•	•	—	•	•
	On / Off timer	•	•	_	•	•	_	_
	Weekly timer	•				—	—	—
	Sleep timer	_	_	_	_	٠	_	_
ler	Program timer	—	—	—	—	•	—	—
Tim	On / Off per day	72	2	2	2	1	—	—
	On / Off per week	504	14	14	14	—	—	—
	Day off	•	•	_	•	_	_	—
	Min. unit of timer setting (Minutes)	10	10	10	30	5	—	—
	Status monitoring system	٠	—	—	—	_	—	—
ontro	Electricity charge calculation	•	—	—	—	—	—	—
ŝ	Error history	٠	٠	•	•	—	٠	٠

*1. Auto restart can be set by DIP switch on PCB inside of indoor unit.*2. This controller is not available "master control" function.





Combination of individual remote controller

Wired, wireless and simple remote controllers can be used jointly.

Ethernet

Signal line (single system)

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Simple remote

PC controller

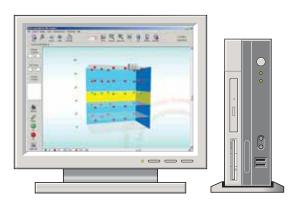
IR receiver unit

PC Controller Software



High performance and optimum control system for various building applications

- Up to 400 indoor units / 400 remote controller groups / 400 groups can be connected into one system for large scale buildings or hotels.
- Provides powerful functions for building air conditioning management, including electricity charge calculation and numerous data management functions, as well as standard equipment monitoring and control.



Functions

Central building monitoring and control

- Detailed settings can be programmed for each whole building / group / remote controller group.
- The PC controller and central remote controller can be used together to permit system control from two or more locations, if required.

Central control

Any of 6 functions of the individual remote controller can be locked to permit access from the PC controller: all functions, timer mode, operating mode, temperature setting, filter reset, on / off. Or the system can be set to allow control from the PC Controller only.

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Operation Control

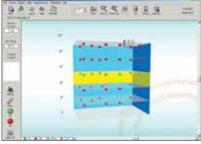
Auto mode (Priority-mode changer)

Auto mode function automatically switches between cooling and heating modes based on the temperatures set and the room temperature detected by the master indoor unit. Other operating indoor units can be operated in the same operating mode as master unit.

User-friendly Operation

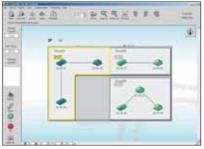
- Runs under Windows® 2000 and Windows® XP Professional / Home so is as easy to use as a standard PC.
- Operational status can be color-coded for instant recognition: On / green, Off / red, test / orange, error / flashing.
- Operational status can be displayed according to user's preference.

Rotating 3-D Display



When monitoring and controlling the operations of a whole building.

Floor Layout Display



When monitoring and controlling the operations of each floor or group.

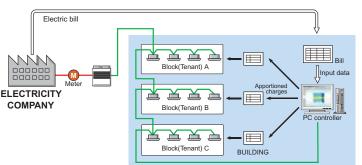
List Table Display



When monitoring and controlling each unit in detail.

Electricity charge calculation

- Total electricity charge, billed for multiple indoor units connected to the charge meter for air conditioning, is apportioned according to the accumulated operation time and indoor unit capacity.
- Allows accounting for special rates (e.g., for night or weekend use).
- Calculations can be printed as final bills.



Note: This electrical power apportioning calculation is not official. When issued to the user as a bill, it must be explained to the user in advance.

Schedule control

- Annual schedules can be set for each remote controller group.
- Start / stop, operating mode, remote controller prohibition, and temperature settings can be recorded up to 72 times per day at 10 minute intervals for up to 6 configurations for each remote controller group.

Schedule Control

- Settings can be made for periods straddling midnight.
- Allows programming of special settings for holidays, including public holidays, for a complete year.
- · Standard 6 functions are available by schedule control.

Error display

Audible alarms are accompanied by explanatory text. Up to 100 alarms can be recorded for each piece of equipment, this is particularly useful during maintenance.



Operating record

The operating status of indoor units and accumulated operating time of outdoor units can be logged and a daily or monthly report produced.



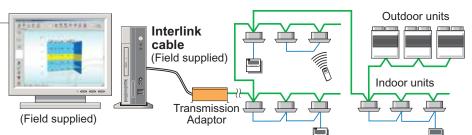
Operation Record

Pattern setting

Recognizes patterns of use, including ON/OFF, operating mode, and set temperature. An arbitrary pattern operation can be done by the touch of one button.

Easy Installation

- Simple connection by Transmission Adaptor and Interlink cable (Interlink cable field supplied).
- Easy software installation using just the CD provided.



Requirements of PC for this software

		AT compatible machine that runs Microsoft [®] Windows [®]					
	Operating System	Microsoft [®] Windows [®] 2000 Professional (English version / Service pack3 or later) Microsoft [®] Windows [®] XP Professional / Home (English version / Service pack1 or later)					
Personal	CPU	Intel [®] Pentium [®] / Celeron [®] , AMD Athlon [™] / Duron [™] 1GHz or higher					
Computer	HDD	4 GB or more					
	Memory	256 MB or more					
	Interface	Serial port and USB port					
	Accelerator	Requires that the internal graphics accelerator be compatible with Microsoft® DirectX® 7.0 or later					
Software		Adobe® Acrobat® Reader 4.0 or later					
Hardware		Interlink cable (D-sub 9 pin female connector) [Field supplied]					
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Packing Lis	t	CD-ROM / Transmission Adaptor (UTR-YTMA) / Software Protection Key					

Central Remote Controller

 Max. controllable indoor units
 Max. controllable remote controllable groups
 Max. controllable groups

 400
 400
 64

 Functionality in a compact housing with built-in weekly timer
 Image: second seco

Controllable method

- Up to 400 indoor units / 400 remote controller groups / 64 groups can be controlled by one system.
- Up to 16 central remote controllers can be connected into one system allowing operation and monitoring to be achieved from the central control room, at each floor, by each tenant, or in the plant room.

Functions

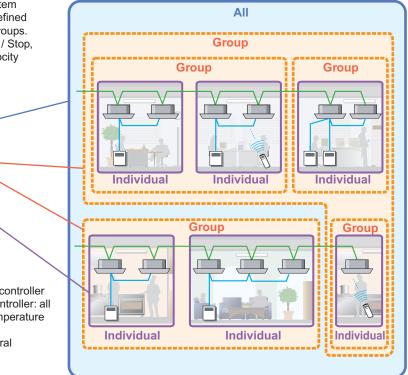
Control up to 400 indoor units

- The central remote controller performs system control after you select All Groups, User Defined Groups, or Individual Remote Controller Groups.
- Accurate control of functions such as Start / Stop, Operating Mode, Temperature, and Air Velocity ensures occupancy comfort.

All Groups

User Defined Groups

Individual Remote Controller Groups

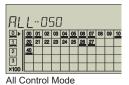


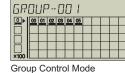
Central control

Any of 6 functions of the individual remote controller can be locked from the Central Remote Controller: all functions, timer mode, operating mode, temperature setting, filter reset, on / off. All functions can be controlled via the Central Remote Controller only.

Easy Operation

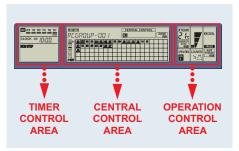
- Control functions are divided into three clusters: Timer Control, Central Control and Operational Control, which are clearly displayed.
- A large liquid crystal display clearly indicates which indoor unit is currently operating.









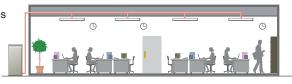


Built-in weekly timer

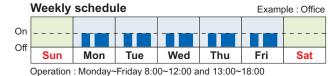
- Capable of controlling up to 400 indoor units, the timer function enables detailed scheduling for each remote controller group.
- A simple approach to system configuration reduces wiring costs.

1.Allows two daily ON / OFF times for each day of the week. 2.Allows time settings in 10 minutes increments.

- Time operations for a certain day can be temporarily cancelled by pressing the "DAY OFF" button in advance.
- 4. Timer settings can be carried over to the following day.
- 5.Daily time settings allow Copy and Paste functionality.



Example: Office



Operating

conditions of

all indoor units can be memorized

Transmission line

Memory functions

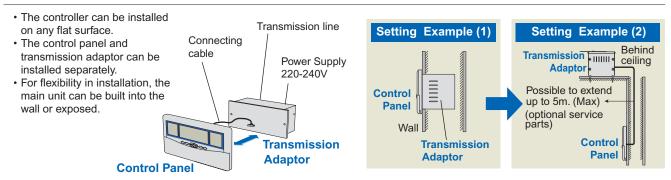
Central remote controller maintains original settings for all indoor units. This data can easily be transmitted to the system even after operating conditions have been changed.

Error display

Error codes can be displayed for all indoor units and outdoor units. The last 2 error codes can be displayed, for easy inspection, service and maintenance.

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Simple and Convenient Installation



Specifications

Madal	UTB-YCA / UTB-GCA		
Model	Control Panel	Transmission Adaptor	
Power Supply	DC 12V	220-240V 50-60Hz Single phase	
Power Consumption (W)	4.8		
Fuse Capacity (A)	3		
Dimensions (H x W x D)(mm)	143 x 296 x 22	107 x 288 x 100	
Weight (g)	550	1,300	
<packing list=""></packing>			
Packing List	Control Panel / Transmission Adaptor / Connecting Cable		

Outdoor units

Indoor units

Group Remote Controller

Max. controllable

remote controller groups



Group control of indoor units with simple operation

- Up to 8 remote controller groups can be controlled by a single controller.
- Up to 64 Group Remote Controllers can be connected in a single VRF system.
- Network Convertor (UTR-YRDA) is required to connect Group Remote Controllers to a VRF system.

Functions

High performance and compact size

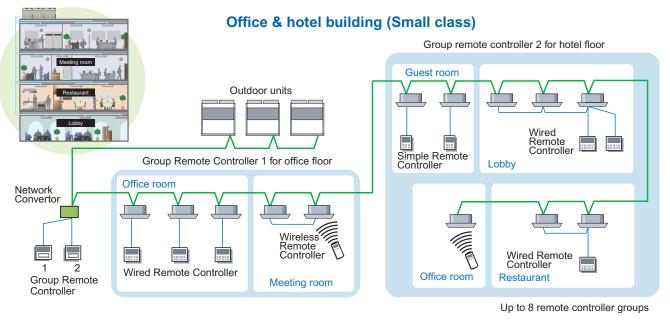
ON / OFF, operating mode, set temperature and air flow can be controlled / monitored centrally or individually.

Central + ON/OFF control

connectable Group R.C. in a VRF system

Control up to 8 remote controller groups

- A single Group Remote Controller controls and monitors up to 8 remote controller groups.
- Up to 64 Group Remote Controllers can be connected in a single VRF system.
- · Up to 4 Group Remote Controllers can be controlled by a single Network Convertor (UTR-YRDA).



Built-in weekly timers

Time

The weekly timer is provided as a standard function.

- 1. The timer can be set up for up to 4 times per day. (On / Off, operating mode, set temperature)
- 2. Allows separate settings for each day of the week.

ON / OFF switching

ON OFF ON OFF

Air conditioning ON/OFF setting corresponding to air conditioning specification needs is possible.



Time

Cooling / Heating switching

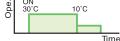
Switching between the cooling mode and heating mode can be set by time.





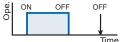
Since peak power cut is performed in a planned way, setting which changes the room temperature linked with time is possible.

ON ON 0 30°C 10°C



Low temperature heating operation can be set to prevent freezing in cold regions at night, etc.

Stop setting

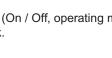


Indoor unit start/stop matched to the air conditioning operation end time is possible.



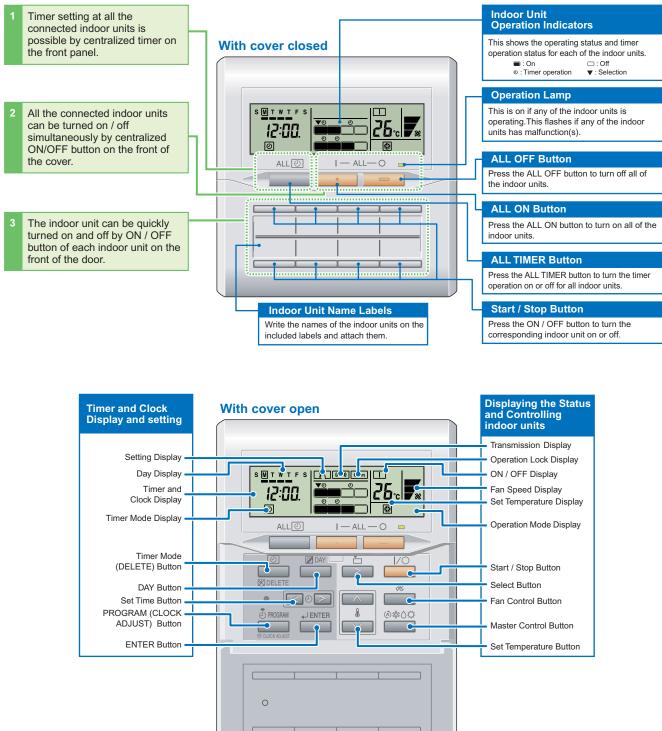
Weekly

timer



Time

Useful functions



Specifications

Model		Group Remote Controller
		UTB-YDB / UTB-GDB
Power Supply		DC 12V
	Height	120
Dimensions (mm)	Width	120
	Depth	17
Weight (g)		200

CONTROL

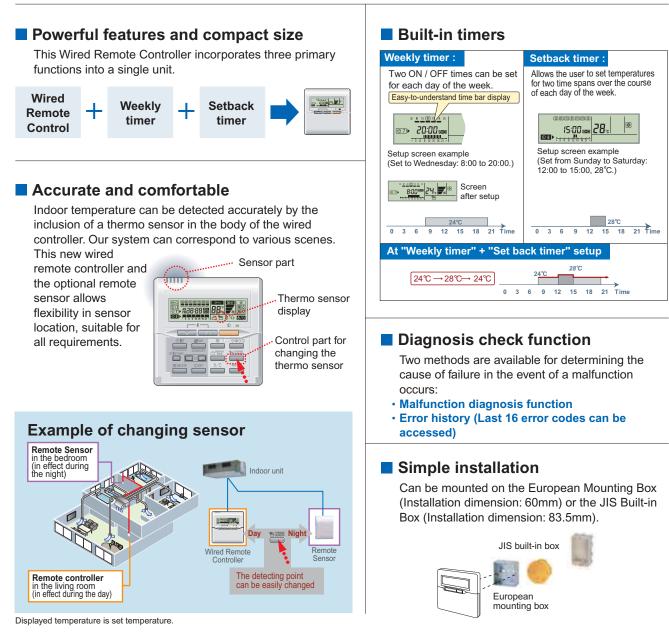
DC12V power supply is supplied by a network converter.

Wired Remote Controller

The room temperature can be controlled by detecting the temperature accurately from the built-in sensor

- Simple operation with Built-in Weekly / Daily Timer.
- A single controller controls up to 16 indoor units.
- Up to 2 wired remote controllers can be connected to a single indoor unit.

Functions



Max. controllable

indoor units

16

00000

Specifications

Model		Wired Remote Controller
		UTB-YUB / UTB-GUB / UTB-TUB
Power Supply		DC 12V
He	Height	120
	Width	120
	Depth	17
Weight (g)		160

Simple Remote Controller UTB-YPB / UTB-GPB / UTB-TPB UTB-YRA / UTB-GRA / UTB-TRA

Compact remote controller provides access to basic functions

- Up to 16 indoor units can be controlled with one remote controller.
- Suitable for hotels or offices which have many visitors coming in and going out and do not require detailed functions.





UTB-YRA / UTB-GRA / UTB-TRA Without master control

Functions

User-friendly operation

- Provides access to basic operations, such as Start / Stop, Fan Control, master control Switching, and Temperature Setting.
- A large Start / Stop button is provided in the centre of the remote controller unit for easy operation.
- · Can be incorporated with the standard remote controller.
- Following an error display, Diagnostics can be carried out on the controller.

Background light

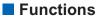
- Backlight enables easy operation in a darkened room.
- Backlight activates during all button operations, and lasts 10 seconds in operating mode and 5 seconds in stop mode after a button is pressed.

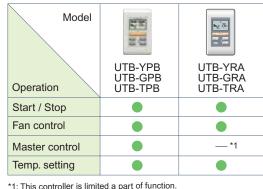


Simple installation

Can be mounted on the European Mounting Box (Installation dimension: 60mm) or the JIS Built-in Box (Installation dimension: 83.5mm).







It is recommend to use together with other type controller.

Specifications

Model		Simple Remote Controller	
		UTB-YPB / UTB-GPB / UTB-TPB	UTB-YRA / UTB-GRA / UTB-TRA
Power Supply		DC 12V	
	Height	120	
Dimensions (mm)	Width	7	5
Depth		14	
Weight (g)		90 (100 : UTB-TPB)	90 (100 : UTB-TRA)

JIS built-in box

DC12V power supply is supplied by the indoor unit.

Wireless Remote Controller



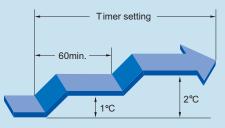


Functions

Built-in daily timer

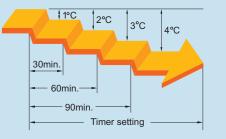
Select from 4 different timer programs : On / Off / Program / Sleep **Program timer :** The program timer operates the ON and OFF timer once within a 24 hour period. **Sleep timer :** The sleep timer function automatically corrects the set temperature according to the time setting to prevent excessive cooling or heating during sleep hours.

Cooling operation/dry operation When the sleep timer is set, the set temperature automatically rises 1°C every hour. The set temperature can rise up to a maximum of 2°C.



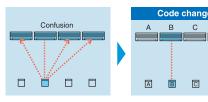
Heating operation

When the sleep timer is set, the set temperature automatically drops 1°C every 30 minutes. The set temperature can drop to a maximum of 4°C.



Easy installation and operation

• Code selector switch prevents indoor unit mix-up. (Up to 4 codes can be set.)



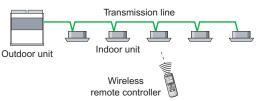
•Wide and precise transmitting range.



D

System addressing

• During installation work, system addressing can be performed using the wireless remote controller, thus eliminating manual switch setting.



Specifications

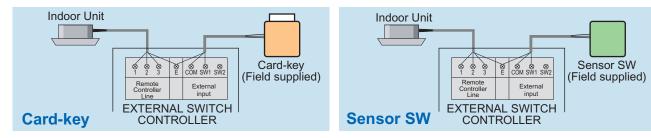
Model		Wireless Remote Controller
		UTB-YVB / UTB-GVB
Battery		1.5V (R03 / LR03 / AAA) x 2
	Height	158
Dimensions (mm)	Width	56
	Depth	20
Weight (g)		70

External Switch Controller

Air conditioner switching can be controlled by connecting other sensor switches

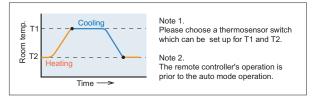
- In combination with a field supply Card-Key Switch or other sensor, the external switch controller allows control of the ON / OFF, Temperature, fan speed and operating mode functions. This makes this product suitable for installations such as hotel rooms.
- Card-key or other sensor switches are available as a field supplied parts.

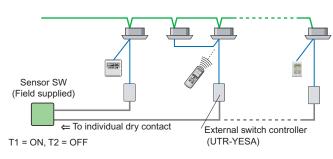
Electrical wiring



Installation example

 Auto mode operation, which switches the cooling and the heating automatically, is enabled by using the sensor switch and external switch controller.
 Note: All indoor units will operate in the same mode.





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IR Receiver Unit

Necessary to control duct type by wireless remote controller

Wiring connection



Specifications

Model		External Switch Controller	IR Receiver Unit
		UTR-YESA	UTB-YWA
Power Supply		DC 12V	DC 12V
	Height	120	122
Dimensions (mm)	Width	75	60
	Depth	30	26.5
Weight (g)		90	150

CONTROI

DC12V power supply is supplied by the indoor unit.

BACnet[®]Gateway Software **UTR-YLBA** Max. Max. Max. controllable controllable controllable 400 4 1600 VRF system outdoor units indoor units **CD-ROM** (Software) • The VRF system can be incorporated into a Building Management System.

Software

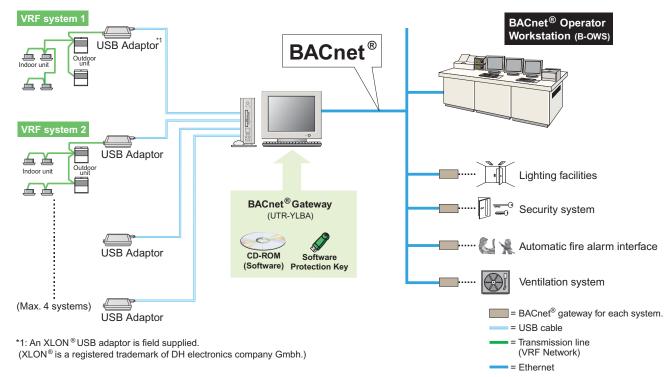
Protection Key

- Enables central control of up to 1,600 indoor units through BACnet®, a global standard for open networks.

ANSI / ASHRAE Standards® 135-2001 BACnet® Application Specific

- Controller (B-ASC) BACnet® / IP over Ethernet.
- · Connects up to 4 VRF systems (1,600 indoor units / 400 outdoor units) per gateway.
- · Ideal for applications in high rise buildings and hotels, etc.

Installation example



Requirements of PC for this software

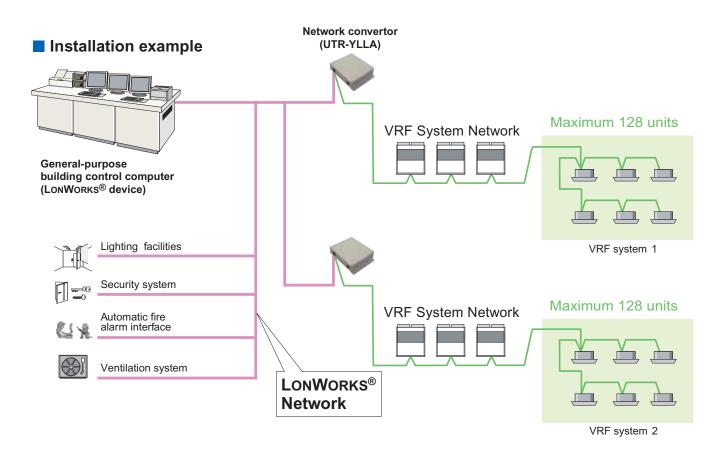
		AT compatible machine that runs Microsoft [®] Windows [®]
	Operating	Microsoft [®] Windows [®] 2000 Professional (English version / Service pack3 or later)
	System	Microsoft [®] Windows [®] XP Professional (English version / Service pack1 or later)
Personal Computer	CPU	Intel [®] Pentium [®] III 400MHz or higher
Computor	Memory	256 MB or more
	Display	1024 x 768 dots or more
		LAN (10BASE-T / 100BASE-TX)
	Interface	USB 1.1
		*The power supply of 100mA / 5VDC is necessary for one USB adaptor.
		Personal Computer (Field supplied)
Required Hardwa	are	USB Adaptor (DH electronics XLON [®] USB USB4-WM-FTT) (Field supplied)
		*1 adaptor is necessary for 1 VRF system.
Required Softwar	е	Adobe® Acrobat® reader 4.0 or later
<packing b="" list<=""></packing>	>	
Packing List		CD-ROM / Software Protection Key



Network Convertor for LONWORKS® UTR-YLLA

128 indoor units

- For connection between VRF system and a LONWORKS[®] open network for management of small to medium-sized BMS and VRF systems.
- The UTR-YLLA permits central monitoring and control of a VRF system from a BMS through a LonWorks[®] interface.
- Up to 128 Indoor units can be connected to a single Network Convertor.



Specifications

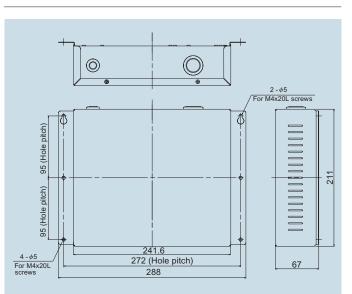
Dimensions

Main specification

Power Supply	50-60Hz 220-240V
Power Consumption (W)	4.5
Dimensions (H X W X D) (mm)	67 X 288 X 211
Weight (g)	1,500

Transmission specification

BMS SIDE		
Transmission speed	78kbps	
Transceiver	FTT-10A	
Transmission way form	Free topology	
Termined resistor	None (It attaches at the terminal of a network.)	



CONTROL

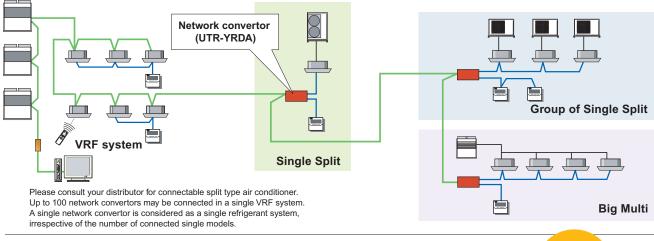
mannan

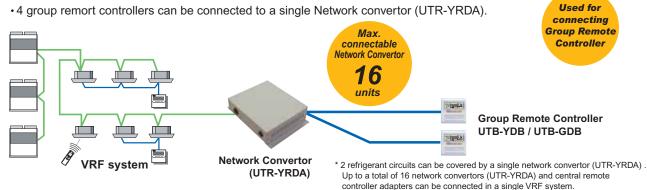
Network Convertor

- This network convertor is to be used for connecting single split system or group remote controller (UTB-YDB / UTB-GDB) with the VRF system.
- Please select the function by switching the dip switch during the installation.

Installation example

- Split type systems can be controlled from a central remote controller or PC controller through connection to the VRF's network convertor.
- Standard remote controller and central remote controller provide On / Off control, master control, temperature and fan control, etc.
- A single network convertor can be used to connect and control up to 16 single units.



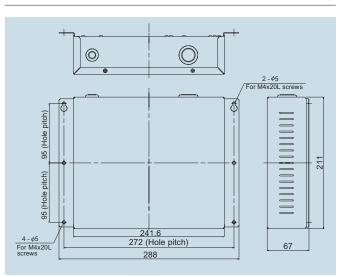


Specifications

Main specification

Power Supply	50-60Hz 220-240V
Power Consumption (W)	8.5
Dimensions (H X W X D) (mm)	67 X 288 X 211
Weight (g)	1,500

Dimensions



manimum

Used for

connecting single split

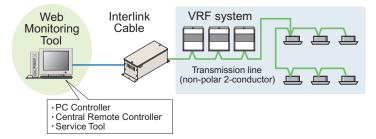
system

Transmission Adaptor

- For air conditioning of the medium and large size buildings, the control software can control and monitor air conditioners together with the ones in the other buildings.
- This device enables control by other equipment via an Interlink cable or connection cable.
- Up to 400 Indoor units / 100 Outdoor units can be connected to one Transmission Adaptor.

nnection cable. hission Adaptor.

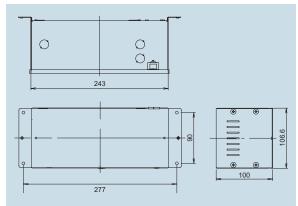
Installation example



Specifications

Power Supply	50-60Hz 220-240V
Power Consumption (W)	2.9
Fuse Capacity	3A
Dimensions (H X W X D) (mm)	100 X 288 X 110
Weight (g)	1,300

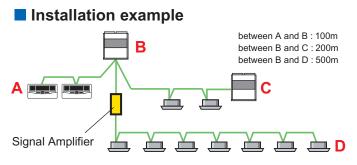
Dimensions



mannan

Signal Amplifier

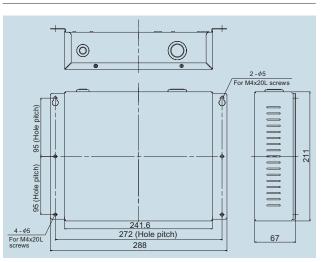
- This unit allows the connection of the following number of units:
 - (1) Transmission Line : Max. 2,000m
 - (2) Connectable Units : Max. Indoor Unit : 400 units
 - Max. Outdoor Unit : 100 units
 - Max. Central Remote Controller : 16 units
- Up to 8 signal amplifiers can be installed in a single VRF system.
- A signal amplifier is required,
- (1) When the total wiring length of the transmission line exceeds 500m.
- (2) When the total number of units on the transmission line exceeds 64.



Specifications

Power Supply	50-60Hz 220-240V
Power Consumption (W)	4.5
Dimensions (H X W X D) (mm)	67 X 288 X 211
Weight (g)	1,500

Dimensions

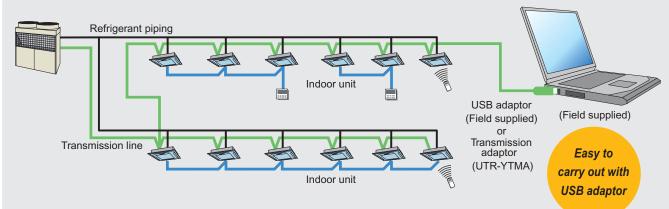


Service Tool Software



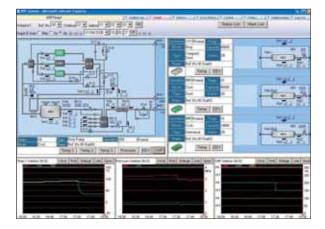
- Operation status can be checked and analyzed to detect even the smallest abnormalities.
- Storage of data on system operation status on a PC allows access even from off site.
- Up to 400 indoor units (a single VRF system) can be controlled and monitored for large scale buildings or hotels.
- This software can be connected to any point of transmission line with USB adaptor (field supplied)





*USB Adaptor is U10 USB Network interface of Echelon® corporation.

Functions



Equipment Detail (Diagram)

Displays the detail information for sensor values, electrical components etc. for the specified units in schematic. The information here can be used along with the detail information in list form, to check the operation status of units and make detail analysis on the cause, in case an error occurs.

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Monitored

and controlled

100 outdoor units Monitored

and controlled

400

indoor units

Service Tool

Equipment Detail (List)

Displays the detail information for sensor values, electrical components etc. of units in a specified refrigerant system in list form.

The information here can be used along with the detail information in diagram form, to check the operation status of units and make detail analysis on the cause, in case an error occurs.

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Error History

Displays the error information for each unit. The error information can sequentially be displayed up to 50 items as they occur starting with the latest error.

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Remote File Download

Operation and error history data can be downloaded. Only the required data may be downloaded specifying the refrigerant system, unit and time range.

Requirements of PC for this software

		AT compatible machine that runs Microsoft [®] Windows [®]
Personal Computer	Operating System	Microsoft [®] Windows [®] 2000 Professional (English version / Service pack3 or later) Microsoft [®] Windows [®] XP Professional (English version / Service pack1 or later)
e e mp a te t	CPU	Intel [®] Pentium [®] / Celeron [®] , AMD Athlon [™] / Duron [™] 1GHz or higher
	HDD	2.1 GB or more
	Memory	256 MB or more
	Interface	Serial port and USB port
Software		Internet Explorer 6.0 or later / Adobe [®] Acrobat [®] Reader 4.0 or later
Hardware		Interlink cable D-sub 9 Pin [Field supplied] Transmission Adaptor (UTR-YTMA) Or USB Adaptor is U10 USB Network interface of Echelon ® corporation.

<PACKING LIST>

Packing List	CD-ROM / Software Protection Key

The transmission adaptor or the USB adaptor of optional parts is necessary to connect this software with the VRF system.

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System List

Displays the overall operation status of all or specified units in the system in a list form.

Commissioning Tool

Test run commands can be executed with this tool. During test running, the outdoor unit / indoor unit sensor data can be saved (commissioning log data). After the end of test running, this data can be exported in CSV file format.

Web Monitoring Tool Software

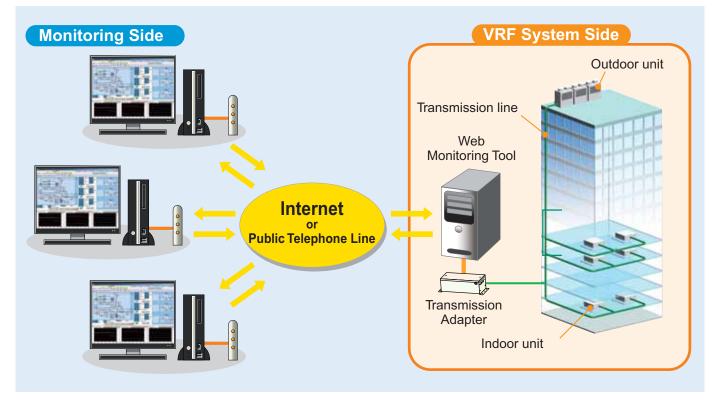
UTR-YMSA

4 VRF system can be supported 1600 Indoor unit can be monitored

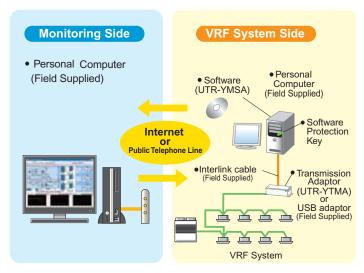
Product features

- Troubleshooting is performed by monitoring each air conditioning unit remotely during periodical system checks.
- Error notification can be automatically transmitted to several locations using the internet*.
- Requires either a dedicated internet connection* or public telephone line.
- Determination of an error occurrence can be made through error warnings and equipment status information obtained from a remote location.
- The monitoring data in a remote side can be optionally downloaded. And, this data can be displayed in off-line mode of the service tool.
- Monitoring side computer is not required to install special software, required only general web browser. *Unchanging global IP address is required.

Web Monitoring System

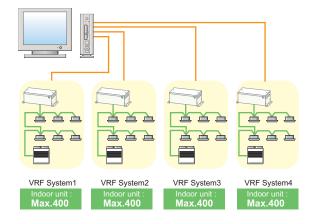


System components



Support 4 VRF system

• PC Transmission adaptors (max. 4 adaptors per PC) permit control and monitoring of up to 1,600 units. Suitable for large-scale buildings or hotels.



Comparison table

No.	Item	Service Tool	Web Monitoring Tool UTR-YMSA			
140.		UTR-YSTC	Monitoring Side	VRF System Side		
1	Interchangeability of equipment	•	•	•		
2	Indication of equipment list	•	•	•		
3	Operation control	•		•		
4	Indication of unit circuit diagram	•	•	•		
5	Commissioning tool	•		•		
6	Monitoring of equipment information	•	•	•		
7	Monitoring of operating condition	•	•	•		
8	Monitoring of sensor data	•	•	•		
9	Indication of trend graph	•	•	•		
10	Storage and CSV output of operating history (sensor data)	•	•	•		
11	Printing of trend graph	•	•	•		
12	Monitoring and screen display of abnormalities	•	•	•		
13	E-mail automatic transmission of abnormalities			●*1		
14	Setting for user level			•		

*1 It is available only during a connection to the Internet.

Requirements of PC for this software

		AT compatible machine that runs Microsoft [®] Windows [®]					
Personal Computer	Operating System	Microsoft ® Windows ® 2000 Professional (English version / Service pack3 or later) Microsoft ® Windows ® XP Professional (English version / Service pack1 or later)					
	CPU	Intel [®] Pentium [®] / Celeron [®] , AMD Athlon [™] / Duron [™] 1GHz or higher					
	HDD	2.1 GB or more					
	Memory	512 MB or more					
	Interface	Serial port (Max. 4) ^{*1} and USB port					
Software		Internet Explorer 6.0 or later / Adobe® Acrobat® Reader 4.0 or later *2					
Hardware		Interlink cableD-sub 9 Pin [Field supplied]USB Adaptor is U10 USB NetworkTransmission Adaptor (UTR-YTMA)orinterface of Echelon ® corporation.					

<PACKING LIST>

*1 1 port required for each VRF system connected.

*2 If Internet Explorer is installed on the remote side PC, remote supervision of VRF system status is available.

The transmission adaptor or the USB adaptor of optional parts is necessary to connect this software with the VRF system.

Outdoor Units

Outdoor Unit Line up

• By combining 6 types (Master Unit and Slave Unit 8/10/14 HP) of 1 to 3 Outdoor Units, ranging from 8 HP (22.4 kW) to 42 HP (120 kW).

	Mode	Iname				
Capacity	Master units	Slave units				
22.4kW (8HP)	AJ*A72LATF	AJ*A72UATF				
28.0kW (10HP)	AJ*A90LATF	AJ*A90UATF				
40.0kW (14HP)	AJ*126LATF	AJ*126UATF				

AJ* : AJY (FUJITSU), AJG (GENERAL)

Capacity range

HP	Capacity (kW)	*3 Maximum connectable indoor unit	Indoor unit connectable capacity (kW)			
8	22.4	15	11.2-33.6	*1 *2		
10	28.0	16	14.0-42.0	50-150%		
14	40.0	10	20.0-60.0			
16	44.8	30	22.4-67.2			
18	50.4		25.2-75.6			
20	56.0	32	28.0-84.0			
22	62.4		31.2-93.6			
24	68.0		34.0-102			
26	72.8		36.4-109	*1		
28	80.0		40.0-120	50-150%		
30	84.0		42.0-126			
32	90.4		45.2-135			
34	96.0	19	48.0-144			
36	102	48	51.0-153			
38	108		54.0-162			
42	120		60.0-180			

Combination of outdoor units

Unit	HP	Capacity (kW)	Master	Slave1	Slave2			
	8	22.4	AJ*A72LATF					
The second se	10	28.0	AJ*A90LATF					
	14	40.0	AJ*126LATF					
	16	44.8	AJ*A72LATF	AJ*A72UATF				
	18	50.4	AJ*A90LATF	AJ*A72UATF				
THE OWNER WHEN	20	56.0	AJ*A90LATF	AJ*A90UATF				
	22	62.4	AJ*126LATF	AJ*A72UATF				
	24	68.0	AJ*126LATF	AJ*A90UATF				
	28	80.0	AJ*126LATF	AJ*126UATF				
	26	72.8	AJ*A90LATF	AJ*A72UATF	AJ*A72UATF			
	30	84.0	AJ*A90LATF	AJ*A90UATF	AJ*A90UATF			
	32	90.4	AJ*126LATF	AJ*A90UATF	AJ*A72UATF			
NAME OF TAXABLE	34	96.0	AJ*126LATF	AJ*A90UATF	AJ*A90UATF			
	36	102	AJ*126LATF	AJ*126UATF	AJ*A72UATF			
	38	108	AJ*126LATF	AJ*126UATF	AJ*A90UATF			
	42	120	AJ*126LATF	AJ*126UATF	AJ*126UATF			
AJ* : AJY (FUJITSU),	AJ* : AJY (FUJITSU), AJG (GENERAL)							

 *1 Based on rated cooling capacity.
 *2 Indoor unit connectable capacity is 75 to 150% for single outdoor unit system (8 -14HP) in case of including indoor unit model code 18 and under in the system. *3 Minimum connectable indoor unit number is 2.

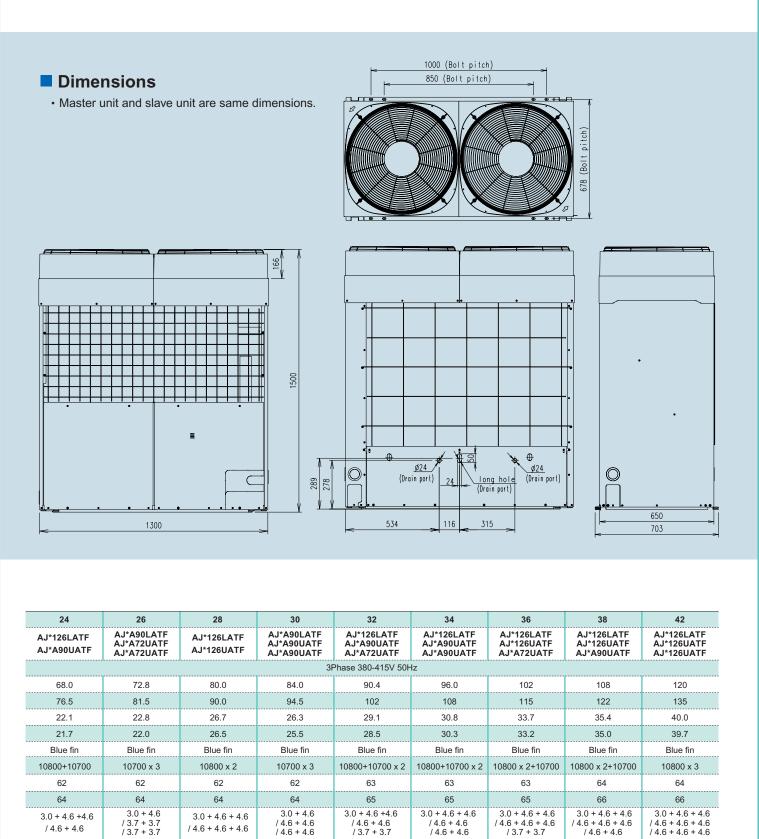
However ARXC90 can be used single connection.

Specifications

Nominal system capacity	/ HP		8	10	14	16	18	20	22		
Model name	Model name		AJ*A72LATF	AJ*A90LATF	AJ*126LATF	AJ*A72LATF AJ*A72UATF	AJ*A90LATF AJ*A72UATF	AJ*A90LATF AJ*A90UATF	AJ*126LATF AJ*A72UATF		
Power source	Power source 3Phase 380-415V 50Hz										
Capacity	Cooling	kW	22.4	28.0	40.0	44.8	50.4	56.0	62.4		
Capacity	Heating	ĸvv	25.0	31.5	45.0	50.0	56.5	63.0	70.0		
Input power	Cooling	kW	7.00	8.75	13.3	14.0	15.8	17.5	20.3		
	Heating	KVV	6.76	8.51	13.2	13.5	15.3	17.0	20.0		
Heat exchanger fin			Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin	Blue fin		
Airflow rate	m³/h		m³/h		10700	10700	10800	10700 x 2	10700 x 2	10700 x 2	10800+10700
	Cooling	dB	58	58	60	61	61	61	62		
Sound pressure level	Heating	(A)	60	60	62	63	63	63	64		
Compressor motor output	kW		3.0 + 4.6	3.0 + 4.6	3.0 + 4.6 + 4.6	3.0 + 4.6 / 3.7 + 3.7	3.0 + 4.6 / 3.7 + 3.7	3.0 + 4.6 / 4.6 + 4.6	3.0 + 4.6 + 4.6 / 3.7 + 3.7		
Dimensions H x W x D	mm		1500 x 1300 x 650	1500 x 1300 x 650	1500 x 1300 x 650	1500 x 1300 x 650 /1500 x 1300 x 650		1500 x 1300 x 650 /1500 x 1300 x 650			
Weight	kg		269	269	374	269 + 272	269 + 272	269 + 272	374 + 272		
Refrigerant charge	kg		14.0	14.0	15.5	14.0 + 14.0	14.0 + 14.0	14.0 + 14.0	15.5 + 14.0		
Connection pipe	Liquid	mm	ø12.70	ø12.70	ø12.70	ø12.70	ø15.88	ø15.88	ø15.88		
diameter	Gas		ø22.22	ø22.22	ø28.58	ø28.58	ø28.58	ø28.58	ø34.92		
Operation	Cooling	°C	-15 to 43	-15 to 43	-15 to 43	-5 to 43	-5 to 43	-5 to 43	-5 to 43		
Dimensions H x W x D Weight Refrigerant charge Connection pipe diameter	Heating		-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21	-20 to 21		

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 : 7.5m; Height difference between outdoor unit and indoor unit : 0m.



/ 4.6 + 4.6 + 4.6

1500 x 1300 x 650 /1500 x 1300 x 650

374 + 377

15.5 + 15.5

ø15.88

ø34.92

-5 to 43

-20 to 21

/ 4.6 + 4.6

1500 x 1300 x 650 /1500 x 1300 x 650

269 + 272 + 272

14.0 + 14.0 + 14.0

ø19.05

ø34.92

-5 to 43

-20 to 21

1500 x 1300 x 650 /1500 x 1300 x 650

374 + 272 + 272

15.5 + 14.0 + 14.0

ø19.05

ø34.92

-5 to 43

-20 to 21

1500 x 1300 x 650 /1500 x 1300 x 650 /1500 x 1300 x 650 /1500 x 1300 x 650

374 + 272 + 272

15.5 + 14.0 + 14.0

ø19.05

ø34.92

-5 to 43

-20 to 21

/ 4.6 + 4.6

1500 x 1300 x 650

374 + 272

15.5 + 14.0

ø15.88

ø34.92

-5 to 43

-20 to 21

/ 3.7 + 3.7

1500 x 1300 x 650 /1500 x 1300 x 650

269 + 272 + 272

14.0 + 14.0 + 14.0

ø15.88

ø34.92

-5 to 43

-20 to 21

OUTDOOR UNI

/ 4.6 + 4.6 + 4.6

1500 x 1300 x 650 /1500 x 1300 x 650

374 + 377 + 377

15.5 + 15.5 + 15.5

ø19.05

ø41.27

-5 to 43

-20 to 21

1500 x 1300 x 650 /1500 x 1300 x 650

374 + 377 + 272

15.5 + 15.5 + 14.0

ø19.05

ø41.27

-5 to 43

-20 to 21

/1500 x 1300 x 650 /1500 x 1300 x 650 /1500 x 1300 x 650 /1500 x 1300 x 650

374 + 377 + 272

15.5 + 15.5 + 14.0

ø19.05

ø41.27

-5 to 43

-20 to 21

Indoor Units

Indoor unit capacity range				4.05	5.0	
Capacity range(kW) Type Model code	2.2	2.8 9	3.6 12	4.05 14	5.3 18	5.7 20
Compact Cassette	AUXB07LATF	AUXB09LATF	AUXB12LATF	AUXB14LATF	AUXB18LATF	20
Slim Type Cassette						Slim Type AU*A20LATF
Silent model Compact Duct P46	ARXB07LALF	ARXB09LALF	ARXB12LALF	ARXB14LALF	ARXB18LALF	
Low Static Pressure Duct						
Duct P48						
High Static Pressure Duct						
Floor / Ceiling			AB*A12LATF	AB*A14LATF	AB*A18LATF	
Ceiling						
Comfort model Compact Wall Mounted	AS*E07LACF	AS*E09LACF	AS*E12LACF on of EV kit is necessa	AS*E14LACF ry.		
Wall Mounted					AS*A18LATF	
Ceiling Wall	AW*A07LATF	AW*A09LATF	AW*A12LATF	AW*A14LATF	AW*A18LATF	
•AU*: AUY(FUJITSU), AUG(GENERAL)	•AB*: ABY(FUJITS	SU), ABG(GENERAL	•AS*: ASY(FUJI1	TSU), ASG (GENERA	L) •AW*: AWY(FU	JITSU),AWG(GENERAL)

Broad range of indoor units of many designs and capacity ranges available which can be selected to suit any air conditioning needs

6.8	7.05	8.8	10.5	12.7	14.1	17.0	25.4
24	25	30	36	45	54	60	90
	Slim Type	Slim Type					
	AU*A25LATF	AU*A30LATF	AU*A36LATF	AU*A45LATF	AU*A54LATF		
		0000	CUCU,	0000			
	ARXB25LATF	ARXB30LATF	ARXB36LATF	ARXB45LATF			
	CUCUL	CUCUL	CUUU!	CUCU!			
	ARXA25LATF	ARXA30LATF	ARXA36LATF	ARXA45LATF			
		ALOVAGULATI"	ATO AOULATI"				
							-
			ARXC36LATF	ARXC45LATF		ARXC60LATF	ARXC90LATF
AB*A24LATF							
				AB*A45LATF			
		AB*A30LATF	AB*A36LATF	AD A43LAIF	AB*A54LATF		
AS*A24LATF		AS*A30LATF					
AW*A24LATF		AW*A30LATF					

Compact Cassette

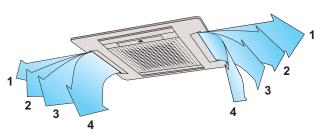
Compact size panel design that fits standard ceiling panel (600x600mm)

Models

AUXB07LATF AUXB09LATF AUXB12LATF AUXB14LATF AUXB18LATF

Comfortable air flow 4-step swing

Auto air flow direction and auto swing



2-4 way air flow system Select 2-way, 3-way or 4-way air flow to suit your needs.



Specifications

Model name			AUXB07LATF	AUXB09LATF	AUXB12LATF	AUXB14LATF	AUXB18LATF				
Power source				220 to 240V 50Hz							
Canaaite.	Cooling	kW	2.20	2.80	3.60	4.00	5.00				
Capacity	Heating	K V V	2.50	3.20	4.10	4.50	5.45				
Input power	nput power W		28	28	52	52	50				
	High		530	530	580	580	640				
Airflow rate	Med	m ³ / h	480	480	520	520	540				
	Low		410	410	460	460	470				
	High		38	38	41	41	44				
Sound pressure level	Med	dB(A)	35	35	37	37	38				
	Low		31	31	34	34	35				
Dimensions (H x W x D)		mm	230 x 570 x 570	230 x 570 x 570	230 x 570 x 570	230 x 570 x 570	230 x 570 x 570				
Weight		kg	18	18	18	18	18				
Refrigerant	Liquid (Flare)	mm	ø6.35	ø6.35	ø6.35	ø6.35	ø9.52				
pipe diameter	Gas (Flare)		ø12.7	ø12.7	ø12.7	ø12.7	ø15.88				
Grille			UTG-UD*D-W (Option)								

*UTG-UDYD-W(FUJITSU); UTG-UDGD-W(GENERAL)

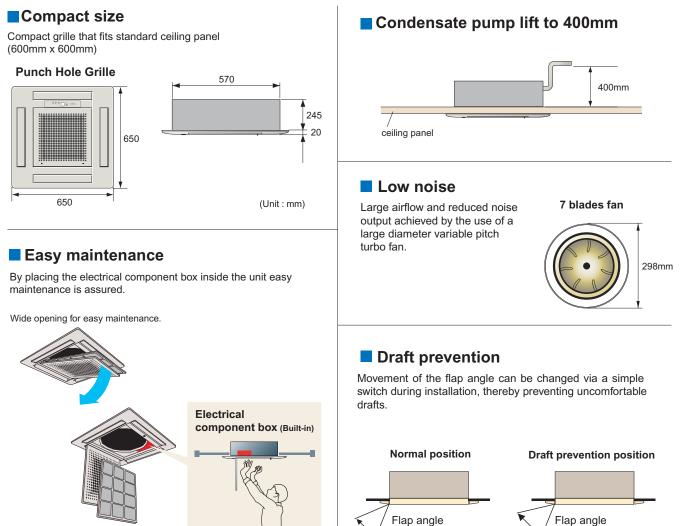
Note : Specifications are based on the following conditions.

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 : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

Voltage: 230 [V].

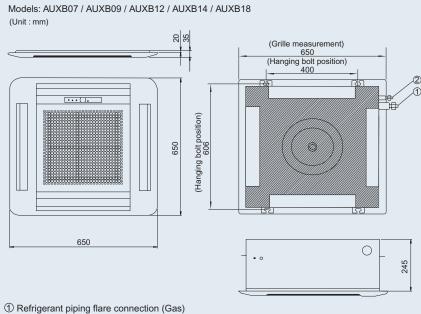


36° - 65°

Detachable, washable filter and intake grille.

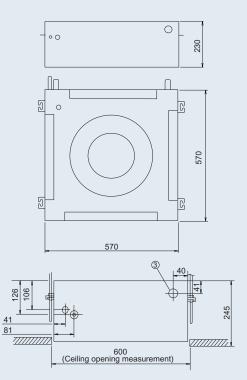
(Service staff)

Dimensions



Refrigerant piping flare connection (Liquid)

③ Drain piping connection (Drain pipe : I.D.Ø32 O.D.Ø37)



25° - 65°



Unit fascia can be adjusted up to 35mm to enable installation in a narrow ceiling

Models

AU*A20LATF AU*A25LATF AU*A30LATF

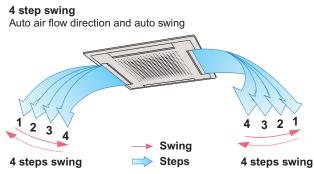
Cassette

Detachable grille makes filter maintenance easy

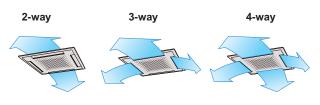
Comfortable air flow

Models

AU*A36LATF AU*A45LATF AU*A54LATF



2-4 way air flow system Select 2-way, 3-way or 4-way air flow to suit your needs.



Wide air flow Larger air flap distributes the outlet air flow a longer distance in the horizontal direction.

Specifications

Model name			AU*A20LATF	AU*A25LATF	AU*A30LATF	AU*A36LATF	AU*A45LATF	AU*A54LATF			
Power source					220 to 24	0V 50Hz					
C	Cooling	kW	5.70	7.05	8.80	10.5	12.7	14.1			
Power source Capacity Input power Airflow rate Sound pressure level	Heating	KVV	5.80	7.85	9.10	12.7	13.7	15.8			
Input power		W	104	124	140	175	190	219			
	High		1,000	1,100	1,250	1,500	1,550	1,700			
Airflow rate	Med	m³/h	840	940	1,050	1,300	1,350	1,420			
	Low		700	780	840	1,100	1,100	1,200			
	High		41	43	46	47	48.5	51.5			
Power source Capacity Input power Airflow rate Sound pressure level Dimensions (H x W x D)	Med	dB(A)	37	40	43	42.5	46	47.5			
	Low		33	35	37	38	41	43.5			
D'	(Main body)		246 x 830 x 830	246 x 830 x 830	246 x 830 x 830	296 x 830 x 830	296 x 830 x 830	296 x 830 x 830			
Dimensions (H X VV X D)	(With Panel)	mm	265 x 940 x 940	265 x 940 x 940	265 x 940 x 940	315 x 940 x 940	315 x 940 x 940	315 x 940 x 940			
Weight kg		34	34	34	40	40	40				
Refrigerant	Liquid (Flare)	mm	ø9.52	ø9.52	ø9.52	ø9.52	ø9.52	ø9.52			
pipe diameter	Gas (Flare)	mm	ø15.88	ø15.88	ø15.88	ø19.05	ø19.05	ø19.05			

* AU*: AUY(FUJITSU), AUG(GENERAL)

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

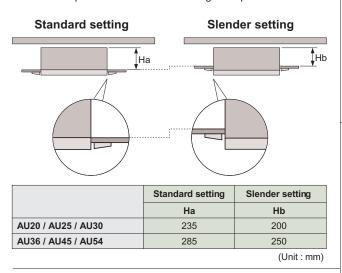
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

Voltage: 230 [V].

Flexible installation

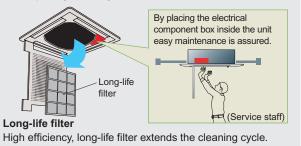
Compact body ensures space saving installation. A slender fit option is available where ceiling void space is limited.



Easy maintenance

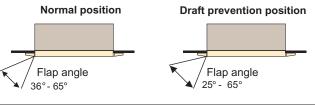
The control box is easily accessible for maintenance work. Wide opening for easy access.

Detachable,washable filter and intake grille. Wide opening and long-life filter.

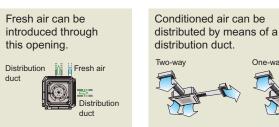


Draft prevention

Movement of the flap angle can be changed via a simple switch during installation, thereby preventing uncomfortable drafts.



Duct connection hole opening

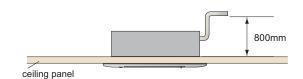




One

- Noise output has been dramatically lowered.
- Improved turbo fan shape (aerodynamic design)
- Expanded air distribution
- · Low internal resistance Molded fan motor

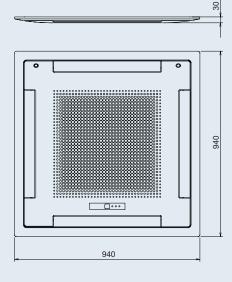
Condensate pump lift to 800mm

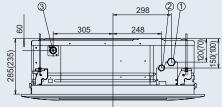


Dimensions

Models: AU*A20 / AU*A25 / AU*A30 (Slim type) AU*A36 / AU*A45 / AU*A54 (Unit : mm)

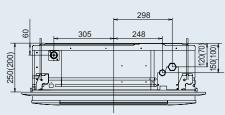


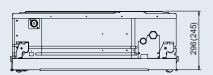


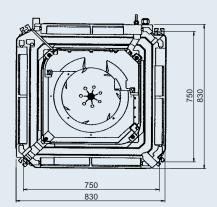


① Refrigerant piping flare connection (Gas)

- 2 Refrigerant piping flare connection (Liquid)
- ③ Drain piping connection (Drain pipe : I.D.Ø32 O.D.Ø37)





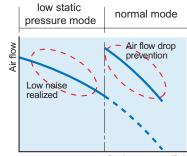




Low noise level

A low noise level has been achieved for each capacity

Model		7	9	12	14	18	
Static pressure (Normal/Max.)	Pa	0 / 50					
Noise level (Low speed)	dB(A)	24	27	25	26	30	



Static pressure (Pa)

Specifications

Model name			ARXB07LALF	ARXB09LALF	ARXB12LALF	ARXB14LALF	ARXB18LALF
Power source		220 to 240V 50Hz					
	Cooling	kW	2.20	2.80	3.60	4.00	5.30
Capacity	Heating	ĸvv	2.50	3.20	4.10	4.80	5.60
Input power		W	31.2	32.6	55.0	63.0	103.0
	High		330	370	560	610	950
Airflow rate	Med	m³/h	300	340	500	550	790
L	Low		270	310	420	470	620
Static pressure range		Pa	0 to 50				
	High		29	31	30	31	40
Sound pressure level	Med	dB(A)	27	29	28	29	35
	Low		24	27	25	26	30
Dimensions (H x W x D)		mm	217 x 663 x 595	217 x 663 x 595	217 x 953 x 595	217 x 953 x 595	217 x 953 x 595
Weight		kg	18	18	25	25	25
Connection	Liquid (Flare)	mm	ø6.35	ø6.35	ø6.35	ø6.35	ø9.52
pipe diameter	Gas (Flare)	mm	ø12.7	ø12.7	ø12.7	ø12.7	ø15.88

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27 $^\circ\text{CDB}$ / 19 $^\circ\text{CWB},$ and outdoor temperature of 35 $^\circ\text{CDB}$ / 24 $^\circ\text{CWB}.$

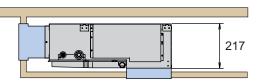
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

Voltage: 230 [V]; Standard static pressure: 0 Pa.

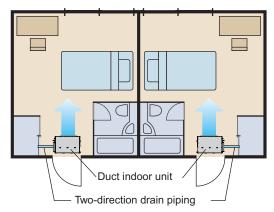
Compact design

Ultra-slim duct air conditioner for easy installation



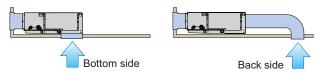
Slim size (217mm) allows installation even where the space behind the ceiling is narrow.

Two-direction drain piping

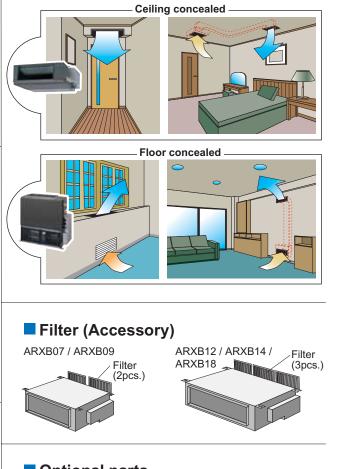


Air-intake

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



Flexible installation



Optional parts Remote sensor unit UTD-RS100 IR receiver unit

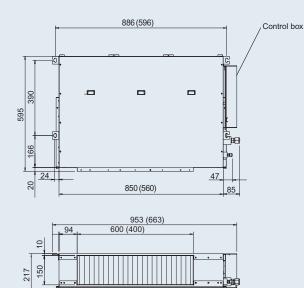
UTB-YWA

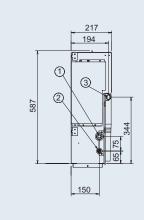
Dimensions

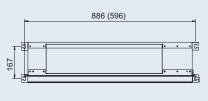
Models: ARXB07 / ARXB09 / ARXB12 / ARXB14 / ARXB18

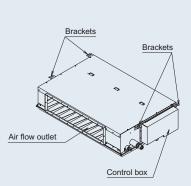
*Service accessibility must be allowed for when installing the product. Please consult the installation manual for the necessary service access size.

(Unit : mm) (): AR7 / AR9









① Refrigerant piping flare connection (Gas)

② Refrigerant piping flare connection (Liquid)

③ Drain piping connection (Drain pipe : I.D.Ø21.5 O.D.Ø26.0)

Low Static Pressure



Indoor units suitable for quiet rooms such as a hotel or a bedroom

Models

ARXB25LATF ARXB30LATF ARXB36LATF ARXB45LATF

Duct

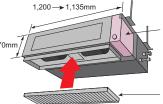
Slim Compact design allows for easy installation in narrow ceiling spaces up to 270mm

Models

ARXA25LATF ARXA30LATF ARXA36LATF ARXA45LATF

Slim & Compact design

In the case of bottom suction type, not only does the design allow for installation in narrow ceiling space up to 270mm, further space requirements have been guaranteed by placing the control box inside the chassis.



Control box is now included as part of the main chassis

One touch operating and easy to install long life filter (Optional Parts)

Specifications

Model name			ARXB25LATF	ARXB30LATF	ARXB36LATF	ARXB45LATF	ARXA25LATF	ARXA30LATF	ARXA36LATF	ARXA45LATF	
Power source			220 to 240V 50Hz								
Capacity	Cooling	kW	7.00	8.80	10.5	12.7	7.00	8.80	10.5	12.7	
Сараску	Heating	K V V	7.70	9.50	12.7	14.3	7.70	9.50	12.7	14.3	
Input power		W	155	171	216	246	161	172	220	312	
	High		1,090	1,200	1,440	1,580	1,100	1,400	1,750	1,800	
Airflow rate	Med	m³/ h	970	1,090	1,270	1,450	1,000	1,300	1,650	1,600	
	Low		870	970	1,160	1,320	900	1,200	1,550	1,500	
Static pressure range		Pa	0 to 80	0 to 80	0 to 80	0 to 80	30 to 150	30 to 150	30 to 150	30 to 150	
	High		29	31	35	37	38	40	43	44	
Sound pressure level	Med	dB(A)	26	28	32	35	36	38	41	42	
	Low		24	26	30	33	34	36	39	40	
Dimensions (H x W x D)		mm	270x1,135x700	270x1,135x700	270x1,135x700	270x1,135x700	270 x 1,135 x 700				
Weight		kg	43	43	43	45	43	43	43	45	
Connection	Liquid (Flare)	mm	ø9.52	ø9.52	ø9.52	ø9.52	ø9.52	ø9.52	ø9.52	ø9.52	
pipe diameter	Gas (Flare)		ø15.88	ø15.88	ø19.05	ø19.05	ø15.88	ø15.88	ø19.05	ø19.05	

Note : Specifications are based on the following conditions

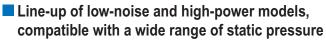
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

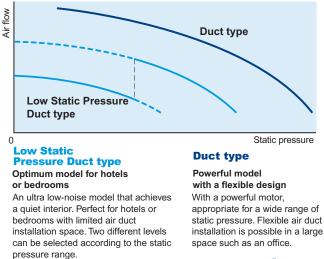
Heating : Indoor temperature of 20 $^\circ\text{CDB}$ / (15 $^\circ\text{CWB}),$ and outdoor temperature of 7 $^\circ\text{CDB}$ / 6 $^\circ\text{CWB}.$

Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

Voltage : 230 [V]; Standard static pressure : 0 Pa(ARXB25LATF,ARXB30LATF,ARXB36LATF,ARXB45LATF)

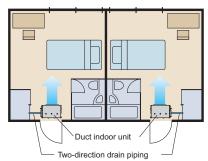
Voltage: 230 [V]; Standard static pressure :100 Pa(ARXA25LATF,ARXA30LATF,ARXA36LATF,ARXA45LATF)





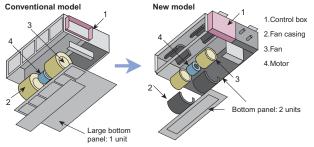


Two-direction drain piping



Easy maintenance

See below for the case of rear suction type



Structural improvement is attained by making the bottom panel two pieces, front and rear, and the internal fan casing is also made dismountable in two pieces, namely, upper and lower ones. The motor and fan maintenance and dismounting can be made easily by removing the rear panel and lower part of the casing with the main chassis installed.

Embedded in Ceiling Installation styles Hanging from Ceiling

Optional parts

Remote sensor unit	UTD-
Long life filter	UTD-
Flange (Square)	UTD-
Flange (Round)	UTD-
IR receiver unit	UTB-

RS100 -LF25NA -SF045T RF204 YWA

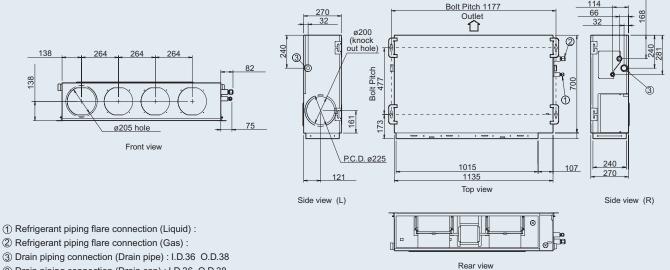
Dimensions

Models: ARXB25 / ARXB30 / ARXB36 / ARXB45 ARXA25 / ARXA30 / ARXA36 / ARXA45

*Service accessibility must be allowed for when installing the product.

Please consult the installation manual for the necessary service access size.

(Unit : mm)



③ Drain piping connection (Drain cap): I.D.36 O.D.38

High Static Pressure Duct

These indoor units allow for high airflow quantities

Models



Models ARXC90LATF

Specifications

Model name			ARXC36LATF	ARXC45LATF	ARXC60LATF	ARXC90LATF
Power source				3Phase 380 to 415V 50Hz		
Capacity	Cooling	kW	10.5	12.7	17.0	25.4
Capacity	Heating	. KVV	12.7	14.3	18.2	29.5
Input power		W	405	427	427	970
	High		2,500	3,500	3,500	3,950
Airflow rate	Med	m³/h	1,950	3,000	3,000	-
	Low		1,450	2,460	2,460	-
Static pressure range		Pa	100 to 200	100 to 250	100 to 250	100 to 300
	High		45	49	49	50
Sound pressure level	Med	dB(A)	38	45	45	-
	Low		32	42	42	-
Dimensions (H x W x D)		mm	400 x 1,050 x 500	400 x 1,050 x 500	400 x 1,050 x 500	450 x 1,550 x 700
Weight		kg	45	45	50	82
Connection	Liquid	mm	ø9.52(Flare)	ø9.52 (Flare)	ø9.52(Flare)	ø12.7 (Brazing)
pipe diameter	Gas		ø19.05 (Flare)	ø19.05 (Flare)	ø19.05 (Flare)	ø22.22(Brazing)

Note : Specifications are based on the following conditions.

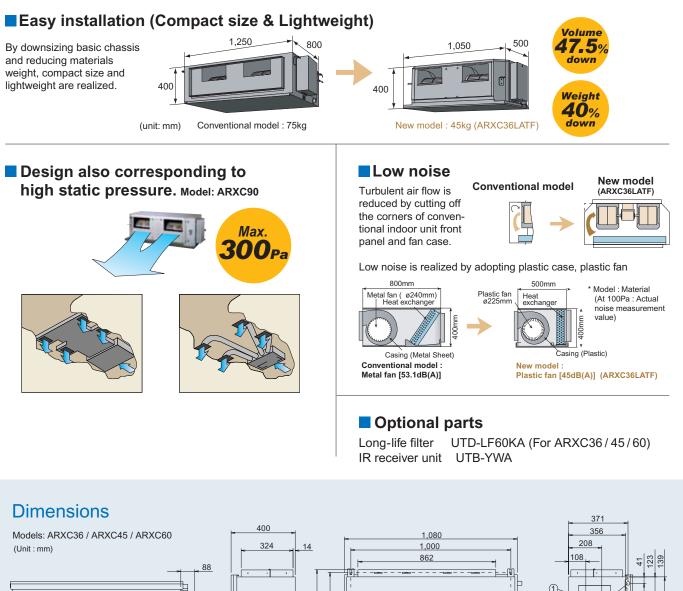
Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

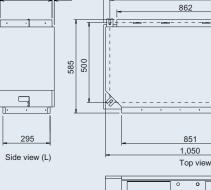
Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m.

Voltage: 230 [V]; Standard static pressure: 100 Pa (ARXC36LATF, ARXC45LATF, ARXC60LATF).

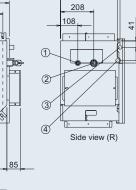
Voltage: 400 [V]; Standard static pressure: 200 Pa (ARXC90LATF).







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① Refrigerant piping flare connection (Liquid)

2 Refrigerant piping flare connection (Gas)

③ Drain piping connection (Drain pipe : I.D.Ø23.4 O.D.Ø25.4)

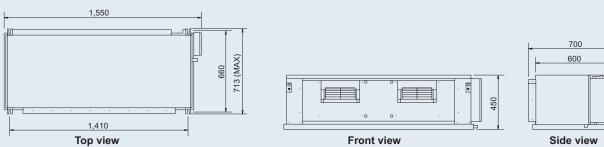
④ Drain piping connection (Drain pipe : I.D.Ø23.4 O.D.Ø25.4)

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Models: ARXC90

(Unit : mm)



Front view

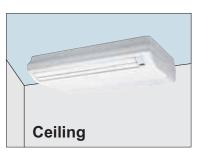
Floor / Ceiling

The slim and lightweight design allows the unit to be suspended from the ceiling or installed on the floor. This type suits many room designs

Models

AB*A12LATF AB*A14LATF AB*A18LATF AB*A24LATF

Flexible installation





Specifications

Model name			AB*A12LATF	AB*A14LATF	AB*A18LATF	AB*A24LATF		
Power source			220 to 240V 50Hz					
Capacity	Cooling	kW	3.60	4.05	5.30	6.60		
Capacity	Heating		4.10	5.00	5.60	7.70		
Input power		W	57	57	88	88		
	High		640	640	780	880		
Airflow rate	Med	m³/h	560	560	650	740		
	Low		480	480	550	630		
	High		40	40	46	48		
Sound pressure level	Med	dB(A)	37	37	41.5	45		
	Low		34	34	37	41		
Dimensions (H x W x D)		mm	199 x 990 x 655	199 x 990 x 655	199 x 990 x 655	199 x 990 x 655		
Weight		kg	28	28	28	28		
Connection	Liquid (Flare)	mm	ø6.35	ø6.35	ø9.52	ø9.52		
pipe diameter	Gas (Flare)		ø12.7	ø12.7	ø15.88	ø15.88		

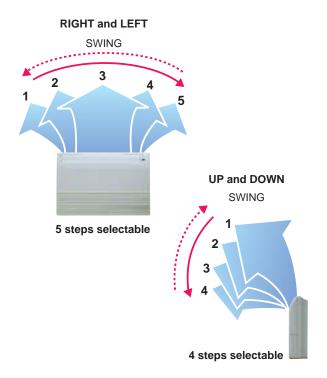
** AB*: ABY(FUJITSU), ABG(GENERAL)

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 : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].

Double auto swing

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



Super vane

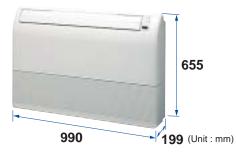
Double-flap "Super Vane" with newly developed special configuration boosts air flow sending cool air quickly to every corner of the room.

Auto-closing louvre

This function is common to all indoor unit types except the duct type.

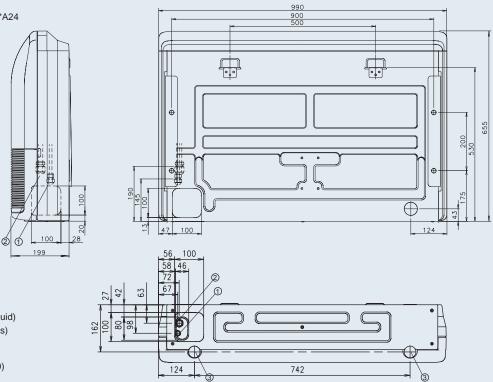
Compact design

Symmetrical, slim and compact design.



Dimensions

Models: AB*A12 / AB*A14 / AB*A18 / AB*A24 (Unit : mm)



① Refrigerant piping flare connection (Liquid)

O Refrigerant piping flare connection (Gas)

③ Drain piping connection

(Drain pipe : I.D.Ø22 O.D.Ø25.6) (Drain hose : I.D.Ø25 O.D.Ø29 L700)

Ceiling

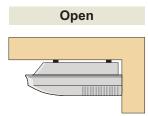
Easily concealed in any installation

Models

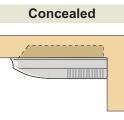
AB*A30LATF AB*A36LATF AB*A45LATF AB*A54LATF



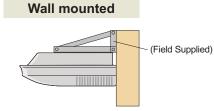
Installation



General installation pattern which suspends the indoor unit from the ceiling.



Installation pattern with part of the indoor unit embedded in the ceiling and fitted to the ceiling.



Pattern which fixes the indoor unit to a wall when it cannot be suspended because space behind the ceiling is narrow and the strength is insufficient.

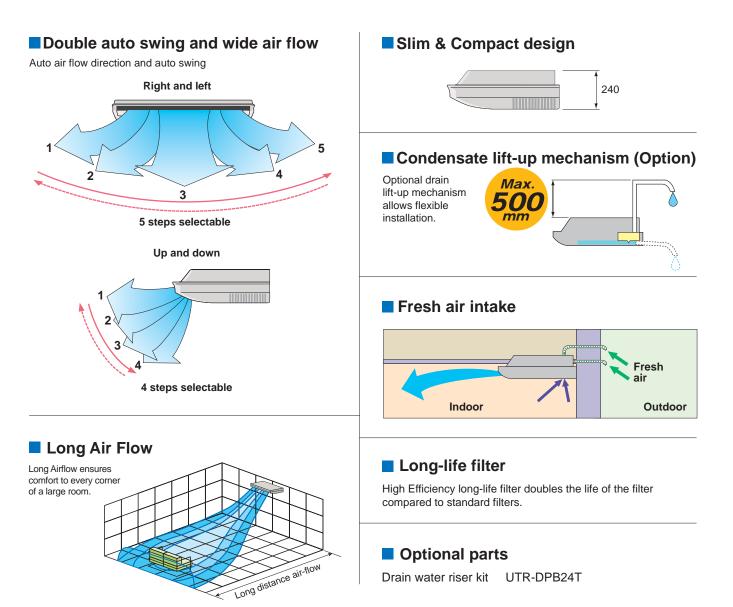
Specifications

Model name			AB*A30LATF	AB*A36LATF	AB*A45LATF	AB*A54LATF		
Power source			220 to 240V 50Hz					
Capacity	Cooling	kW	8.80	10.5	12.7	14.1		
Capacity	Heating	K V V	9.10	12.7	13.7	15.8		
Input power		W	124	144	160	180		
High		1,450	1,660	1,850	2,200			
Airflow rate	Med	m³/ h	1,280	1,500	1,660	2,000		
	Low		980	1,270	1,430	1,800		
	High		42	45	48	52		
Sound pressure level	Med	dB(A)	39	42	46	50		
	Low		35	37	41	46		
Dimensions (H x W x D)		mm	240 x 1,660 x 700					
Weight kg		kg	48	48	48	48		
Connection	Liquid (Flare)	mm	ø9.52	ø9.52	ø9.52	ø9.52		
pipe diameter	Gas (Flare)		ø15.88	ø19.05	ø19.05	ø19.05		

AB: ABY(FUJITSU), ABG(GENERAL)

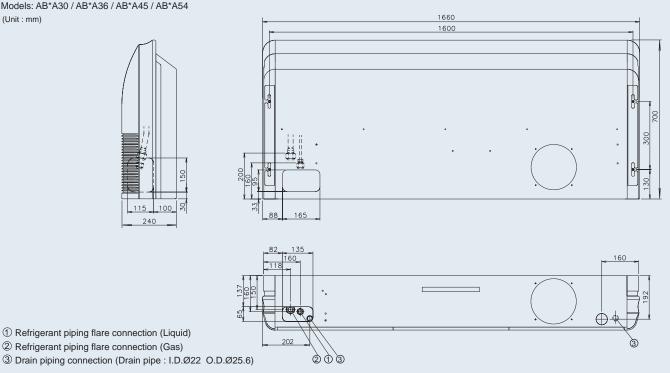
Note : Specifications are based on the following conditions.

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 : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].



Dimensions

Models: AB*A30 / AB*A36 / AB*A45 / AB*A54 (Unit : mm)



INDOOR UNIT

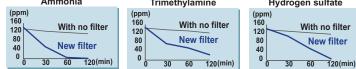
Compact Wall Mounted Comfort model

This type of indoor unit is best suited to a room where a low noise level is required

Models

AS*E07LACF AS*E09LACF AS*E12LACF AS*E14LACF





Testing organization : Environmental Sanitary Inspection Center Test method : Deodorization Test

Apple-catechin filter

With this model, connection of EV kit is necessary

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 ingredient extracted from apples.

Long-life* lon deodorization filter The filter deodorizes by powerful-

ly decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.





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

Specifications

Model name			AS*E07LACF	AS*E09LACF	AS*E12LACF	AS*E14LACF	
Power source				220 to 240	V 50Hz		
Capacity	Cooling	kW	2.20	2.80	3.60	4.00	
Capacity	Heating	K V V	2.50	3.20	4.10	4.80	
Input power		W	13	13	17	19	
	High		490	490	560	600	
Airflow rate	Med	m³/ h	450	450	480	490	
	Low		370	370	420	420	
	High		34	34	38	39	
Sound pressure level	Med	dB(A)	32	32	34	35	
	Low		26	26	30	30	
Dimensions (H x W x D)		mm	275 x 790 x 215	275 x 790 x 215	275 x 790 x 215	275 x 790 x 215	
Weight	ht k	kg	9	9	9	9	
Connection	Liquid (Flare)	mm	ø6.35	ø6.35	ø6.35	ø6.35	
pipe diameter	Gas (Flare)		ø12.7	ø12.7	ø12.7	ø12.7	
EV Kit			UTR-EV09>	(A (Option)	UTR-EV14XA (Option)		

AS: ASY(FUJITSU), ASG(GENERAL)

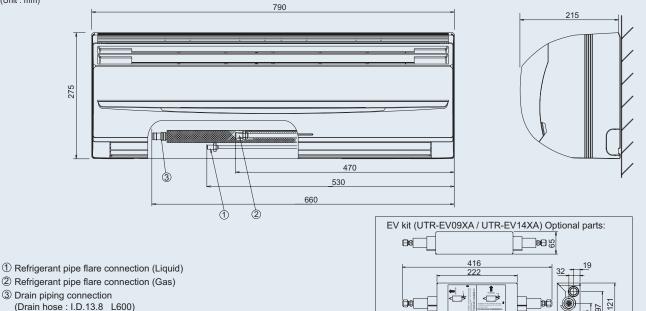
Note : Specifications are based on the following conditions

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 : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].





Wall Mounted

Double auto swing louver provides pleasant air flow to every corner of the room

Models

AS*A18LATF AS*A24LATF AS*A30LATF



Powerful output in spite of small size

Though the indoor unit is compact, it features a large, high pressure cross fan (107mm diameter) in a center mounted configuration and a lambda type heat exchanger to provide plenty of power. The extra long diffuser provides a wide outflow opening for air. This ensures a large air outflow volume over a wide area to cool or heat all areas of the room.



Specifications

Model name Power source		AS*A18LATF	AS*A24LATF	AS*A30LATF	
		220 to 240V 50Hz			
Capacity	Cooling	kW	5.40	6.90	8.00
Сарасну	Heating	IX V V	5.60	7.80	8.80
Input power		W	38	50	60
	High		800	970	1,040
Airflow rate	Med	m³/ h	650	870	910
	Low		550	750	730
	High		41	45	47.5
Sound pressure level	Med	dB(A)	36.5	41	44
	Low		33	37	39.5
Dimensions (H x W x D)		mm	320 x 1,120 x 220	320 x 1,120 x 220	320 x 1,120 x 220
Weight		kg	16	16	16
Connection	Liquid (Flare)	mm	ø9.52	ø9.52	ø9.52
pipe diameter	Gas (Flare)		ø15.88	ø15.88	ø15.88

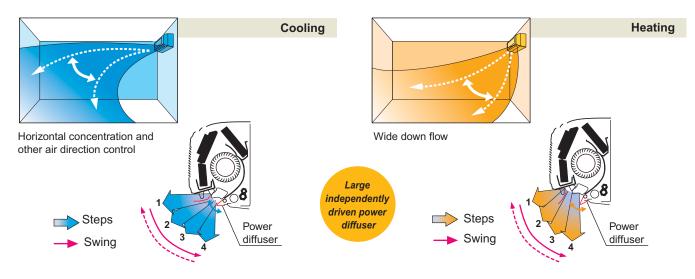
%AS*: ASY(FUJITSU), ASG(GENERAL)

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 : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].

Multi air flow

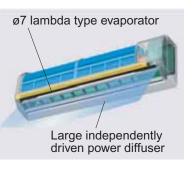
Large independently driven power diffuser used



Low noise

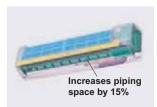
 High efficiency fan construction ⇒
 ø7mm Lambda type evaporator improves the airflow path
 Large independently driven power diffuser





Easier installation

Expanded work space at bottom of casing increases piping space by 15%.

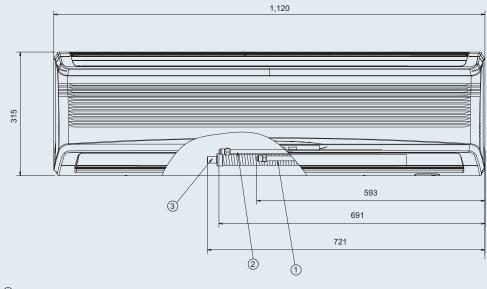


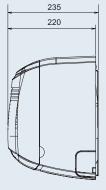
Others

- Double auto swing
- 2-way draining route

Dimensions

Models: AS*A18 / AS*A24 / AS*A30 (Unit : mm)





0 Refrigerant piping flare connection (Gas)

O Refrigerant piping flare connection (Liquid)

③ Drain piping connection

(Drain hose : I.D.Ø17 O.D.Ø24 L670)

Ceiling Wall

Attractive unit to which can be installed 40mm from the ceiling

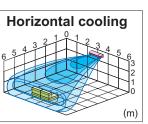
Models

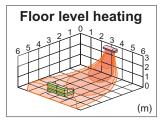
AW*A07LATF AW*A09LATF AW*A12LATF AW*A14LATF AW*A18LATF AW*A24LATF AW*A30LATF

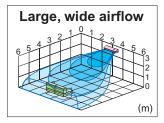


Larger, wider airflow

Introduction of the top air intake reduces the curvature of the air flow path thereby achieving lower air resistance, lower noise and larger air volume.







Specifications

Model name			AW*A07LATF	AW*A09LATF	AW*A12LATF	AW*A14LATF	AW*A18LATF	AW*A24LATF	AW*A30LATF	
Power source			220 to 240V 50Hz							
Capacity	Cooling	kW	2.20	2.80	3.60	4.30	5.40	6.90	8.00	
Сараску	Heating	K V V	2.50	3.20	4.10	4.90	5.60	7.80	8.80	
Input power		W	16	19	20	21	30	40	50	
	High		380	480	600	650	760	900	950	
Airflow rate	Med	m³/h	330	420	520	570	660	780	870	
	Low		290	390	470	490	560	650	780	
	High		34	35	35	37	40	44	47	
Sound pressure level	Med	dB(A)	32	32	33	35	37	41	45	
	Low		30	30	31	32	34	37	42	
Dimensions (H x W x D)		mm	270 x 1,150 x 285							
Weight		kg	16	16	16	16	16	16	16	
Connection	Liquid (Flare)	mm	ø6.35	ø6.35	ø6.35	ø6.35	ø9.52	ø9.52	ø9.52	
pipe diameter	Gas (Flare)	man	ø12.7	ø9.52	ø12.7	ø12.7	ø15.88	ø15.88	ø15.88	

AW: AWY(FUJITSU), AWG(GENERAL)

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

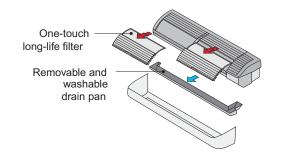
Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB. Pipe length : 7.5 m; Height difference between outdoor unit and indoor unit : 0 m. Voltage : 230 [V].

Interior emphasized simple form

Optimum design for rooms in which you want to enjoy the interior design. This is our unique design which allows installation at a high position (on the wall near the ceiling).

Easy maintenance

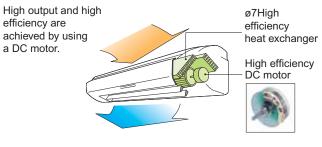
Drain pan can be easily removed for thorough washing without removing the unit from the wall.



Long-life filter

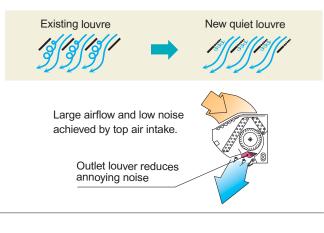
·Long-life filter can be removed with one touch. ·Long-life filter extends the cleaning cycle by a factor of three.

High efficiency



Low noise

Suppressing the turbulence by providing vertical grooves on the quiet louver and the right/left louvre reduces annoying noise.

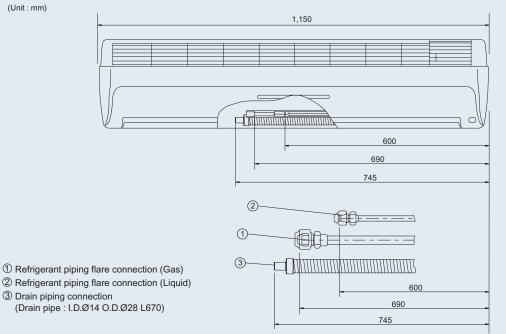


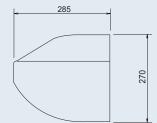
Others

- · Double auto swing (Right and left, up and down)
- · 2-way draining route

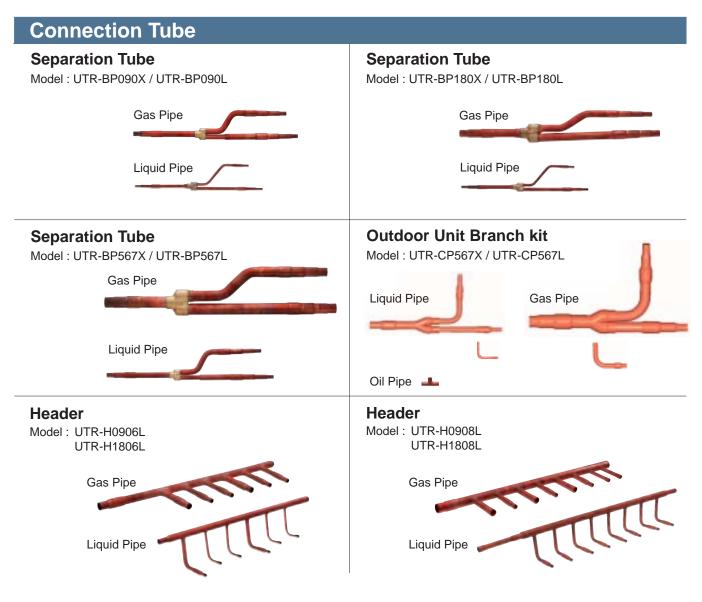
Dimensions

Models: AW*A07 / AW*A09 / AW*A12 / AW*A14 AW*A18 / AW*A24 / AW*A30





Optional Parts



Outdoor unit Branch kit

Outdoor unit	Model	Q'ty
2 outdoor units		1
3 outdoor units	UTR-CP567X / UTR-CP567L	2

Indoor side Branch kit Separation Tube

Total model code of indoor unit	Separation Tube
90 or less	UTR-BP090X / UTR-BP090L
91 to 180	UTR-BP180X / UTR-BP180L
181 or more	UTR-BP567X / UTR-BP567L

Header

1	leadel		
	Total model code of indoor unit	Hea	lder
		6 Branches	8 Branches
	90 or less	UTR-H0906L	UTR-H0908L
	91 to 180	UTR-H1806L	UTR-H1808L

EV kit These models are used for Compact Wall Mounted Type(Comfort model) AS*E07LATF, AS*E09LATF, AS*E12LATF, AS*E14LATF

Application Model	Model
AS*E07LATF AS*E09LATF	UTR-EV09XA
AS*E12LATF AS*E14LATF	UTR-EV14XA







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