





Side Discharge VRF Heat Pump Systems











1960: Air conditioning business starts. Japan-domestic business starts.

1971 Air conditioner exports to Middle East.

1977 "Super Power, Super Quiet" Series

1982 Window type 3 Super Series

AL/AX Series



1985 Large wall mounted and multi air conditioner introduced.



1950 ~

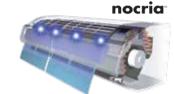
1991 Air conditioner with the world's first lambda heat exchanger

1994 Air conditioner with the world's first power diffuser

2001 AIRSTAGE™ Series is released. VRF air conditioners for large-sized buildings.



2002 Air conditioner with the world's first automatic self-cleaning filter system



2004 Standalone type small VRF AIRSTAGE™ J Series is released.

2006 VRF Heat Pump type Max. 42 HP AIRSTAGE™ V Series is released.





AIRSTAGE 7

2009 Heat Pump Modular type Max. 48 HP AIRSTAGE™ V-II Series is released.





2000 ~

1970 ~

Manufacturing Company Establishment

1955 Headquarters in Kawasaki **1964** Electronic components factory in Ichinoseki



(EURO) GmbH

1977 Air conditioner manufacturing company in Hamamatsu (now Hamamatsu business office.)

1991 Air conditioner manufacturing company in Thailand.

1994 Air conditioner manufacturing company in Shanghai, China.

1998 Air conditioner motor manufacturing company in Thailand. 2006 VRF air conditioner manufacturer, sale, and service company in China.

2007 Air conditioner technology building completed on Main Office group. Air conditioner R&D Center in Kawasaki

2009 Operation of compressor factory begins in Thailand.

Sales & Service Maintenance Company Establishment



1977 Europe sales company (UK)

1978 Australia sales company / Europe sales company (Germany)

1980 Brazil sales company

1997 Asia sales company (Singapore)

1998 Middle East sales company (UAE) / New Zealand sales company

2000 Air conditioner manufacturing and sale technical partnership in India

2002 Taiwan sales company 2006 China sales company

2016 THE AIRSTAGE on

Broadway in New York

2011 High energy saving type AIRSTAGE™ J-II Series is released.

For Light Commercial

2014 Small & lightweight outdoor unit AIRSTAGE™ J-IIS that has improved easy installation with a single fan

2016 Small VRF AIRSTAGE™ J-III that has advanced energy saving and easy installation is released.

2017-19 Small VRF AIRSTAGETM J-IIIL suitable for diverse light commercial properties is released.



AIRSTAGE J-IIS

2019

New cassette style released.

2012 Heat Recovery Modular type 3D Flow Cassette AIRSTAGETM VR-II Max. 48 HP is released. 2014-15 Heat Pump Modular type

For Residential

2011 Hi-spec Design models LT Series & LU Series is released.

AIRSTAGETM V-III Max. 54 HP ideal for

large properties is released

2017 Flagship Wall Mounted models nocria™ X is released.

2017-19 Environment-friendly new refrigerant R32 models are added. (Split & Multi-split type)

2012 Joint venture in Thailand to

2016 Commercial use air conditioner

manufacture compressors

R&D Center in Thailand

2010 ~



For Light Commercial

Small & lightweight outdoor unit AIRSTAGE™ J-IVL, J-IV, J-IVS outdoor units released.





AIRSTAGE J-IV AIRSTAGE J-IVS





Heat pump type AIRSTAGE™ V-III Tropical Max. 54 HP is released.



AIRSTAGE √-∭



Wall Mounted
 ■ Wall

Split Design models KE Designer Series, New Ceiling and Air to Water Comfort Series released.



2020 New Topic

2019 Construction of new building to strengthen development capabilities at Kawasaki head office:

Base to create new value by combining internal and external knowledge



Utilizes the IoT: We will introduce a real-time IoT System

2020 Construction of Manufacturing That

to immediately visualize and analyze a variety of information.



New Fujitsu General (Thailand) Co., Ltd. (Thailand) FACTORY-2

Fujitsu General (U.K.) Co., Ltd. (U.K.)

^{*1:} Announced 1991. In room air conditioner for the home (our company's investigation) *2: Announced 1994. In room air conditioner for the home (our company's investigation) ounced 2002. In room air conditioner for the home (our company's investigation)

^{*4:} Announced 2018. In room air conditioner for the home (Our company's investigation) *5: Announced 2012. In room air conditioner for the home (Our company's investigation)



World Wide Locations

Promoting Globalization from a global perspective while emphasizing the actual local situation in the field under the aim of advancing our five-base system (Europe, Middle East, Asia & Oceania, America, and Japan)



JAPAN Head Office



New Technology Research Building (Japan)

Air conditioner solution center
 "THE AIRSTAGE" in Manhattan, New York

• Fujitsu General America, Inc.

• Fujitsu General Do Brasil Ltda

Overseas Sales Companies



Fujitsu General Orient International Fujitsu Ge Electronics Sales (Shanghai) Co., Ltd. (China) (Taiwan)



Fujitsu General (Taiwan) Co., Ltd. (Taiwan)



Fujitsu General (Thailand) Co.,Ltd. Bangkok Office (Thailand)



Fujitsu General (Asia) PTE. Ltd. (Singapore)



Fujitsu General (EURO) GmbH (Germany)



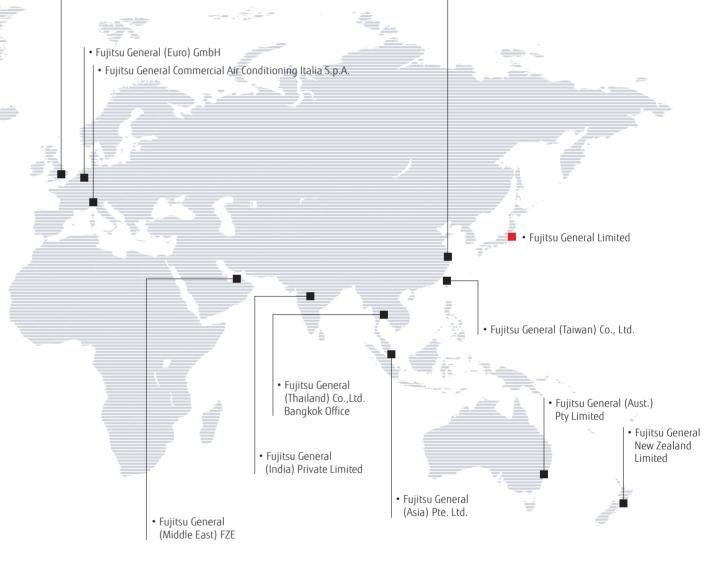
Fujitsu General (U.K.) Co., Ltd. (U.K.)



Fujitsu General Air Conditioning (UK) Limited (U.K.)



Fujitsu General Commercial Air Conditioning Italia S.p.A. (Italy)





• Fujitsu General Air Conditioning (UK) Limited

Fujitsu General (U.K.) Co., Limited

Fujitsu General (Aust.) Pty Ltd.



Fujitsu General New Zealand Ltd.



• Fujitsu General Orient International

Electronics Sales (Shanghai) Co., Ltd.

Fujitsu General (Middle East) FZE (U.A.E.)



Fujitsu General (India) Private Limited Fujitsu General America, Inc. (U.S.A.)



FUJITSU GENERAL SOLUTION CENTER "THE AIRSTAGE" (U.S.A



Global Business Activities

We are engaging in advertising, human resource development, CS activities, and social contribution activities worldwide.

These activities have been recognized throughout different regions by the awards we have been honored with.

North/South America









Middle East









Europe











Oceania







Service & Maintenance

Asia









International authoritative design awards





(Category: HVAC & PLUMBING) in



TOP OF MIND 2016" First prize in "MARCA DE EQUIPAMENTODE AR-CONDICIONADO" category of





The iF Product Design each year by "iF International Forum Design GmbH" for

The product design competition has existed since 1955. Its award, the "red dot", is an internationally reddot winner 2020 recognized quality



"Most Efficient Air



China State Construction Engineering Luban



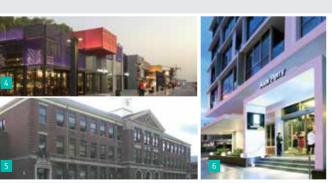
Award is sponsored by the Japan Institute of Design Promotion a year for an item of

Project Reference





Our product is popular because of its high quality, energy saving, and easy installation, and so has been installed in a wide range of building types including high-rise office buildings, stores, hotels, public facilities, schools, hospitals and residential.























Fujitsu General's Products have been installed in over 50 countries worldwide.







Global Development & Production Bases

R&D centers are set up in five countries of Japan, Europe, Asia, China and North America in the world. We pursue the environmental property and comfort to meet each area needs.

- Head OfficeR&D CenterManufacturing Companies

R&D Center & Technology Research Building



R&D Center in Fujitsu General (EURO) GmbH



R&D Center in Fujitsu General America (U.S.A.)



Fujitsu General Air Conditioning R&D (Thailand) Co., Ltd. (Thailand)



R&D Center in Fujitsu General (Shanghai)



JAPAN Head Office, R&D Center and 60 m Height Difference Testing Tower (Japan)

Utilizes the IoT

 Fujitsu General (Euro) GmbH R&D Center

Fujitsu General America, Inc.

—R&D Center

Technology Research Building

We will introduce a real-time IoT System operating situation, production progress on assembly lines, and the inventory and transportation situation of parts). production and shipping forecasts in the Head Office and Factory Management Department. In addition, we will also of employees in production sites with the aim of improving the productivity

Construction of Manufacturing That

and facility operating ratio.

Overseas Manufacturing

• Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.

Fujitsu General Limited

_R&D Center

Fujitsu General (Shanghai) Co., Ltd.

___R&D Center

• Fujitsu General Air Conditioning R&D (Thailand) Co., Ltd.

• F.G.L.S Electric Co., Ltd.



Fujitsu General (Shanghai) Co., Ltd. (China)

Companies



F.G.L.S. Electric Co., Ltd. (China)



Fujitsu General Central Air-conditioner (Wuxi) Co.,



• Fujitsu General (Thailand) Co., Ltd.

• TCFG Compressor (Thailand) Co., Ltd.

—R&D Center

New Fujitsu General (Thailand) Co., Ltd.

(Thailand) FACTORY-2

• FGA (Thailand) Co., Ltd.



Fujitsu General Air Conditioning R&D (Thailand) Co., Ltd. (Thailand)



FGA (Thailand) Co., Ltd. (Thailand)



TCFG Compressor (Thailand) Co.,Ltd. (Thailand)

High Quality Development

& Production Facilities

Advanced Research Facility and Equipment

Performance Testing



Air Volume Measurement Room

Measure air volumes of the air conditioners from compact room air conditioner models to VRF.



Measure the cooling/heating capacity by measuring the inlet and outlet temperatures, humidity, and air volume of the air conditioner



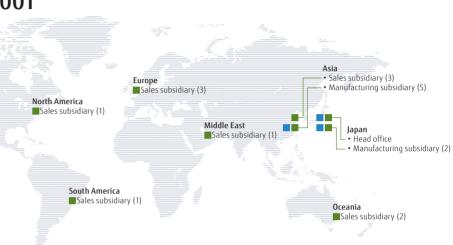
Measure the operating sounds of air conditioners with the sound reflection-proof walls and

Acquisition of ISO 9001 and ISO 14001 Fujitsu General is one of Japan's leading manufacturers with an R&D



Each of overseas production bases (5 companies) has completed the acquisition of ISO 9001 and ISO 14001 individually.

In 2012, overseas sales bases (11 companies) acquired the certification of ISO 14001.



Reliability Testing



Constant Temperature Room

Check on the product performance in cooling/heating operation under the various temperature and humidity



Practical Test Room

Check on whether the air conditioners performance under box of the outdoor unit is the actual house conditions is sustainable.



Shower Test Room

Check on whether the electrical protected by rain waters with Typhoon like wind.



Transportation & Handling







Vibration testing

Testing Laboratory

Fujitsu General EMC Laboratory Limited







60 m Height Difference **Testing Tower**

Objective is to confirm oil circulation of compressor for reliability

Center in Japan. We provide

customers with the highest quality and performance

using these facilities.



High Product Quality Assurance

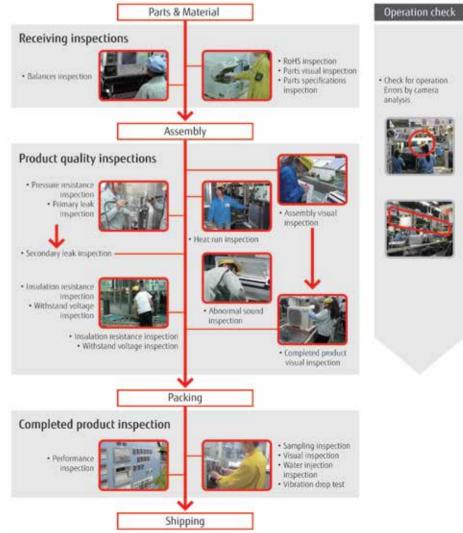
All Fujitsu General factories have acquired ISO 9001, and have built a quality control system common around the world. High quality products are offered to all over the world based on stringent quality inspections.

Receiving inspection

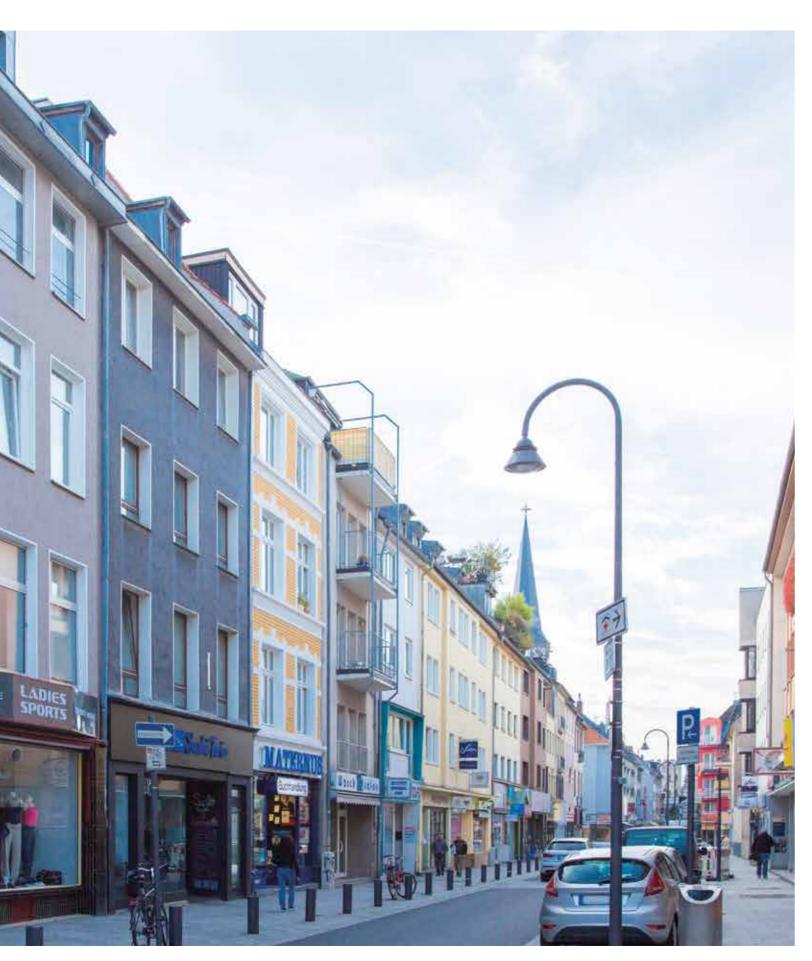
Parts procurement requires a supplier's test report. European regulation RoHS inspection is also performed by special test department in-house. Total number inspection is performed especially on main parts to remove defectives.

Stringent product quality inspection

Stringent quality inspection is carried out at all production processes. High quality is maintained by stringent checks by inspectors and repetitive inspection.



AIRSTAGE[™] J Series Overview





Max. 18 HP Heat Pump AIRSTAGE J-IVL

J-IVL is an outdoor unit with a slim design offering a high degree of freedom of installation that is recommended for mid-size office buildings and hotels. Furthermore, you can connect up to 42* indoor units with newly added 14/16/18 HP models. 14/16/18 HP models are also ideal for hospitals and educational facilities with many rooms.

*: 18 HP model

Slim Outdoor Unit

Although the new 14/16/18 HP models that can handle slightly larger capacity requirements, they have a slim depth of 480 mm. These models can be introduced and installed even in limited spaces.

Small room application

Up to 30-42 indoor units can be connected by the optimum heat exchanger structure. Available to various small rooms.

Top Class Low Operating Sound

Top class low operating sound is achieved. Highly suited for densely populated areas thanks to their low operating sound.



8-12 HP models



14/16/18 HP models

Max.6 HP Heat Pump, Compact Design

J-IVS has a compact design with a height of 998 mm that does not obstruct visibility even when installed near waist-level windows. This model is also ideal for large houses, retail stores and other properties.

Space saving and low sound level design

Economical individual air conditioning is achieved by ALL-DC technology, large capacity DC twin rotary compressor, and 3-row heat exchanger though the size is compact.

Flexible systems for homes, shops, small-size buildings air conditioning

Due to compact size design and flexible piping design, J-IVS Series can be installed easily at a place where the installation space is limited such as homes, shops, and small offices.

Multiple indoor units of various capacities and types can be connected.

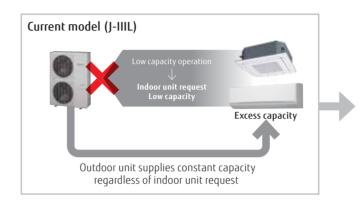


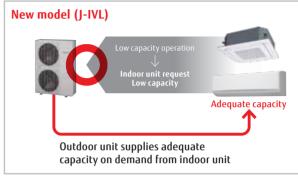
4/5/6 HP models



New intelligent refrigerant control

Fujitsu general proposes New outdoor unit which includes New refrigerant control. New refrigerant control can be operated with suitable control corresponding to heat load of the room and can offer a more comfortable space. New refrigerant control can also provide more energy savings.





^{*} The improvement by the control and the actual sine wave varies by the combination of the indoor unit and system operating condition

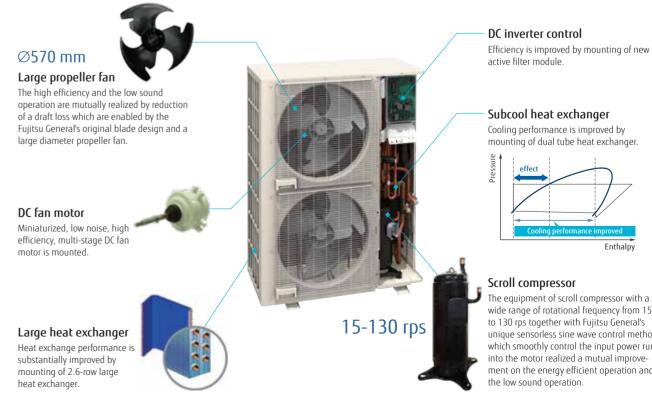
External static pressure

External static pressure is available up to 60Pa for 14/16/18HP. (30Pa for 8/10HP, 40Pa for 12HP)

* Capacities are slightly decreased for rated values during high static



Advanced high efficiency technology



wide range of rotational frequency from 15 unique sensorless sine wave control method which smoothly control the input power run ment on the energy efficient operation and

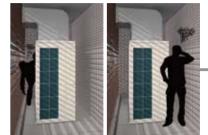


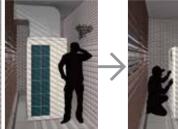
Slim & Compact Design



Various Installation









In house installation

Low noise in consideration for the nearby residents

This model is front air discharge type and about 1000 mm wide, so flexible installation is possible even at narrow in house space.





AIRSTAGE™ V Series outdoor unit



Narrow space behind building

Space saving

Due to compact and thin model, direct ground installation or wall mounted installation is possible even at narrow off-street.





AIRSTAGE™ V Series outdoor unit

AIRSTAGE™ J Series outdoor unit

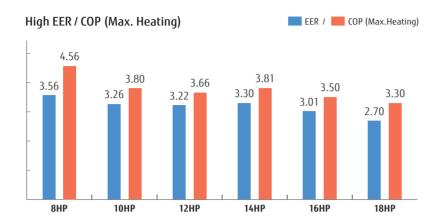
Installation at back street of building

Flexible installation

This model is front air discharge type and slim & low body, so installation space is compact. Building windows are not blocked and space saving multiple units installation is possible.

Efficiency in actual operation

Top class high EER/COP(Max. Heating) is achieved for all models by large heat exchanger, high efficient Scroll compressor, and our own



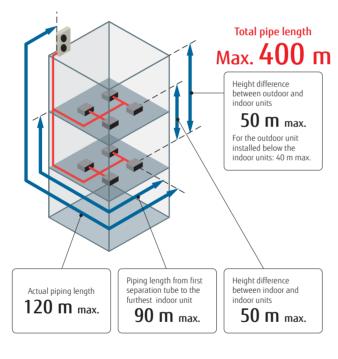
Long piping length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 400 m. This opens up new possibilities in system design.

Up to 42 indoor units* can be connected

The combination of the smallest but adequate capacity indoor unit and a new outdoor unit with the optimum heat exchanger structure has realized the industry's top class connection of 42 units. *: 18 HP model





Top Class Low Operating Sound

Top class low operating sound is achieved. Highly suited for densely populated areas thanks to their low operating sound.







Specifications

Rating Capacity range		HP	8	10	12	14	16	18			
Model name			AJH072LELBH	AJH090LELBH	AJH108LELBH	AJH126LELBH	AJH144LELBH	AJH162LELBH			
Maximum Connectable	Indoor Unit		1-20	1-25	1-30	1-36	1-40	1-42			
Power source				3 phase, ~400V, 50Hz							
	Cooling		22.4	28.0	33.5	40.0	45.0	50.0			
Capacity	Nominal Heating	kW	22.4	28.0	33.5	40.0	45.0	50.0			
	Max Heating] [25.0	31.5	37.5	45.0	50.0	55.0			
Airflow rate		m³/h	8,400	9,000	11,000/12,100	13,000	14,000	14,800/15,300			
Sound pressure level /	Cooling	dB(A)	52/66	54/69	59/73	62/75	64/77	65/79			
Power level	Heating	UD(A)	54/—	57/—	62/—	63/—	65/—	68/—			
	Height		1,428	1,428	1,428	1,638	1,638	1,638			
Net Dimensions	Width	mm	1,080	1,080	1,080	1,080	1,080	1,080			
	Depth] [480	480	480	480	480	480			
Weight		kg	170	177	178	213	213	217			
Defriesrant	Type (Global Warmin	ng Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)			
Refrigerant	Charge	kg(CO2eq-T)	7.0 (14.6)	7.5 (15.7)	7.5 (15.7)	11.0 (22.9)	11.0 (22.9)	11.8 (24.6)			
Connection pipe	Liquid		9.52	9.52	12.70	12.70	12.70	12.70			
diameter	Gas	mm	19.05	22.20	28.58	28.58	28.58	28.58			
Total pipe length			400	400	400	400	400	400			
Max. height difference		m			50/40 (Outdoor u	nit: Upper/Lower)					
Onesakina sanaa	Cooling	°c	-15 to 46	-15 to 46	-15 to 46	-5 to 46*	-5 to 46*	-5 to 46*			
Operation range	Heating	1 '	-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.

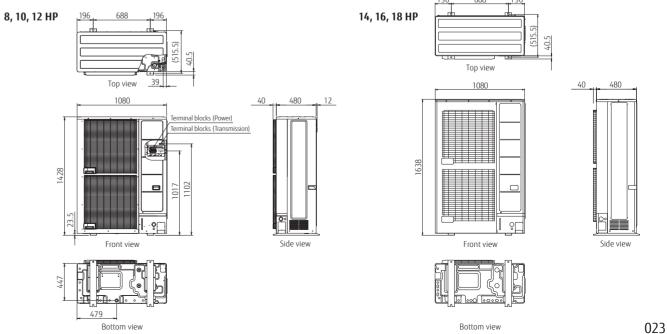
Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

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

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

* The cooling operation range of -15 to 46°C is allowed only when all of the indoor units connected to the system are higher than capacity of 5.6kW.

Dimensions



025

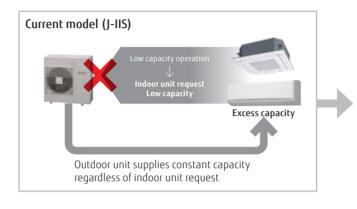


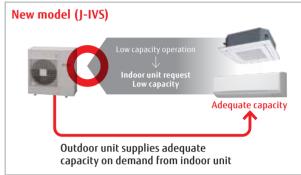
Heat Pump for Small Capacity Type AIRSTAGE J-IVS System configuration example • This system is used for small and medium-sized buildings. 1 refrigerant system is used for each outdoor unit. • Connection of multiple indoor units using separation tubes and headers. Gas pipe

New intelligent refrigerant control

Fujitsu general proposes New outdoor unit which includes New refrigerant control.

New refrigerant control can be operated with suitable control corresponding to heat load of the room and can offer a more comfortable space. New refrigerant control can also provide more energy savings.

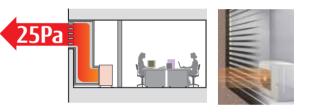




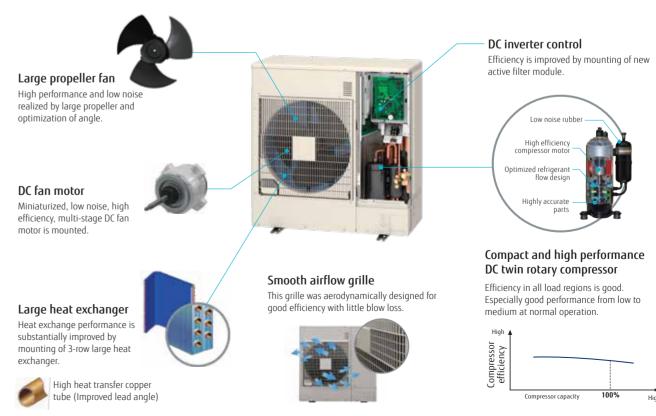
^{*} The improvement by the control and the actual sine wave varies by the combination

External static pressure

External static pressure is available up to 25Pa for 4/5/6HP.



Advanced high efficiency technology



AIRSTAGE J-IVS

It Can be Easily Carried and Installed



Small and light weight outdoor unit

This model is much more compact than conventional 6HP comparable outdoor units. Even when installed on the balcony it fits within the height of the fence. The compact size with a height of less than 1 m allows it to be installed under windows and in tight spaces



Low sound level design

Significantly low sound level is improved by using DC twin rotary compressor, inverter technology, and advanced airflow structure design.

Long piping length

Our advanced refrigerant control technology allows us to achieve a total refrigerant piping length of 80 m. This opens up possibilities in system design.

Up to 13 units* can be connected

The combination of the smallest but adequate capacity indoor unit and a new outdoor unit with the optimum heat exchanger structure has realized the industry's top class connection of 13 units

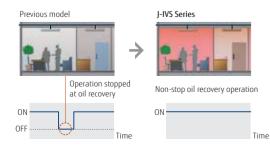
*: 6 HP model

Model	Curre	nt model	(J-IIS)	New model (J-IVS)				
Rating Capacity range (HP)	4 5 6			4	5	6		
Max. Connectable indoor unit	1-7	1-8	1-8	1-11	1-12	1-13		

Actual piping length So m max. Piping length from first separation tube to the furthest indoor unit 40 m max. Total pipe length Max. 80 m Height difference between outdoor and indoor units 30 m max. Height difference between indoor and indoor units 15 m max.

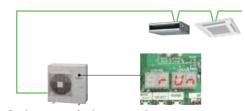
Non-stop oil recovery operation

A comfortable room condition is maintained during oil recovery mode because the product continues to operate without stopping the cooling or heating operation.



Easier Installation

Connection check function: Possible to confirm whether wiring connection and address setting are correct by a quick check run function.



- Display connected indoor unit numbers
- Duplicately set address number of indoor unit can be displayed



Specifications

Rating Capacity range			4	5	6					
Model name		•	AJH040LCLBH	AJH045LCLBH	AJH054LCLBH					
Maximum Connectable	Indoor Unit		1-11	1-12	1-13					
Power source				Single phase, ~230V, 50Hz						
	Cooling		12.1	14.0	15.1					
Capacity	Nominal Heating	kW	12.1	14.0	15.1					
	Max Heating	1 1	13.6	16.0	16.5					
Airflow rate		m³/h	4,040	4,200	4,200					
Sound pressure level /	Cooling	4D(A)	51 / 67	53 / 69	54 / 70					
Power level	Heating	dB(A)	54 / 68	56 / 69	56 / 70					
Heat exchanger fin			Blue fin	Blue fin	Blue fin					
	Height		998	998	998					
Net Dimensions	Width	mm	970	970	970					
	Depth	1 1	370	370	370					
Weight		kg	86	86	87					
D - (-: b	Type (Global Warming I	Potential)	R410A (2,088)	R410A (2,088)	R410A (2,088)					
Refrigerant	Charge	kg(CO2eq-T)	4.0 (8.4)	4.0 (8.4)	4.0 (8.4)					
Connection pipe	Liquid		9.52	9.52	9.52					
diameter	Gas	mm	15.88	15.88	15.88					
Total pipe length			80	80	80					
Max. height difference		m	30	30	30					
Onesakian sanaa	Cooling	°c .	-5 to 46	-5 to 46	-5 to 46					
Operation range	Heating	1 '	-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.

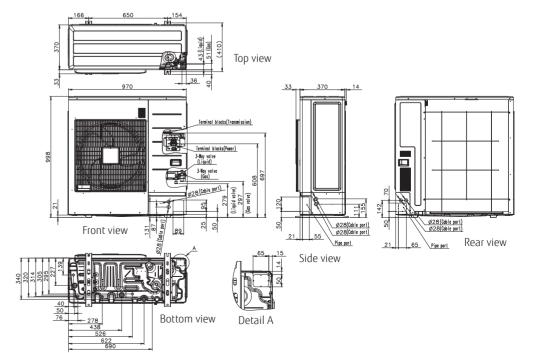
Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

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

The protective function may work when using it outside the operation range.

Dimensions

(Unit:mm



VRF INDOOR UNITS

19 types and 99 models available to meet the requirements of any building design.

The AIRSTAGE™ indoor units were developed to be highly efficient, compact, low noise and to have user friendly operation. With a variety of indoor units and capacities available, Fujitsu General has an indoor unit to match any requirement which is easy to install and maintain. Further, a variety of options are available to achieve an air conditioning environment that is more desirable from the user's perspective.

Vn-030 INDOOR UNITS LINE-UP

Vn-032 1-Way Flow Cassette

Vn-034 3D Flow Cassette

Vn-036 Compact Cassette (Grid type)

Vn-038 Cassette Slim type (Circular Flow)

Vn-040 Cassette Slim type (4-way Flow)

Vn-042 Cassette Large type (Circular Flow)

Vn-044 Cassette Large type (4-way Flow)

Vn-046 Low Static Pressure Duct / Mini Duct

Vn-048 Low Static Pressure Duct / Slim Duct / Slim Concealed Floor

Vn-084 High Static Pressure Duct

Vn-056 Compact Floor

Vn-058 Floor / Ceiling

Vn-060 Ceiling

Vn-062 Wall Mounted



VRF Indoor Unit Lineup

Capacity range (kV	N)			1.1	2.2	2.8	3.6	4.0	4.5	5.6	7.1	9.0	10.0	11.2	12.5	14.0	18.0	22.4	25.0
Class	Compact type	Compact Grid type / Standard type		AUXB 004 GLEH	AUXB 007 GLEH	9 AUXB 009 GLEH	AUXB 012 GLEH	14	AUXB 014 GLEH	AUXB 018 GLEH	AUXB 024 GLEH	30	34	36	45	54	60	72	90
		Circular Flow		GEET	GEEN	GEEN	GLLII		GEEN	AUXM 018 GTAH	AUXM 024 GTAH								
	Slim type	4-way Flow								AUXD 18 GALH	AUXD 24 GALH								
Cassette	Largo bypo	Circular Flow										AUXK 030 GTAH	AUXK 034 GTAH	AUXK 036 GTAH	AUXK 045 GTAH	AUXK 054 GTAH			
	Large type	4-way Flow										AUXA 30 GALH	AUXA 34 GALH	AUXA 36 GALH	AUXA 45 GALH	AUXA 54 GALH			
	One-way Flow type	One-way Flow	004 - 012 014 - 024	AUXV 004 GLEH	AUXV 007 GLEH	AUXV 009 GLEH	AUXV 012 GLEH		AUXV 014 GLEH	AUXV 018 GLEH	AUXV 024 GLEH								
	3D Flow type	3D Flow								AUXS 018 GLEH	AUXS 024 GLEH								
	Low Static Pressure	Mini Duct	04/007-009-012-014 018 024	ARXK 004 GLFH	ARXK 007 GLFH	ARXK 009 GLFH	ARXK 012 GLFH		ARXK 014 GLFH	ARXK 018 GLFH	ARXK 024 GLFH								
	Duct	Slim Duct (With drain pump)	04/007-014 018 024		ARXD 007 GLEH	ARXD 009 GLEH	ARXD 012 GLEH		ARXD 014 GLEH	ARXD 018 GLEH	ARXD 024 GLEH								
		Low Static Pressure Duct	24-45								ARXB 24 GALH	ARXB 30 GALH		ARXB 36 GALH	ARXB 45 GALH				
Duct	Medium Static Press	sure Duct	24-45								ARXA 24 GBTH	ARXA 30 GBTH		ARXA 36 GBTH	ARXA 45 GBTH				
	High Static Pressure	Duct	036 / 45 - 60 072 - 090											ARXC 36 GTEH	ARXC 45 GATH		ARXC 60 GATH	ARXC 72 GATH	ARXC 90 GATH
		Floor (*Same as Ceiling models)					ABHA 012 GTEH		ABHA 014 GTEH	ABHA 018 GTEH	ABHA 024 GTEH								
_		Slim Concealed Floor (*Same as Slim Duct models)	04 / 007 - 014 018 024	ARXD 04 GALH	ARXD 007 GLEH	ARXD 009 GLEH	ARXD 012 GLEH		ARXD 014 GLEH	ARXD 018 GLEH	ARXD 024 GLEH								
Floor		Compact Floor	NEW	AGHA 004 GCGH	AGHA 007 GCGH	AGHA 009 GCGH	AGHA 012 GCGH	AGHA 014 GCGH											
		Compact Floor (EEV external)	NEW	AGHE 004 GCEH	AGHE 007 GCEH	AGHE 009 GCEH	AGHE 012 GCEH	AGHE 014 GCEH											
c ili				With this mod	del, connection	of EV kit is ne	ABHA		ABHA	ABHA	ABHA	ABHA		ABHA	ABHA	ABHA			
Ceiling ————————————————————————————————————			012 - 024				012 GTEH		014 GTEH	018 GTEH	024 GTEH	030 GTEH		036 GTEH	045 GTEH	054 GTEH			
Wall Manage		Wall Mounted	004 - 014 18 - 24 030 - 034	ASHA 004 GCGH	ASHA 007 GCGH	ASHA 009 GCGH	ASHA 012 GCGH	ASHA 014 GCGH		ASHA 18 GBCH	ASHA 24 GBCH	ASHA 030 GTEH	ASHA 034 GTEH						
Wall Mounted		Wall Mounted (EEV external)	004.004	ASHE 004 GCEH	ASHE 007 GCEH	ASHE 009 GCEH	ASHE 012 GCEH	ASHE 014 GCEH											
			004 - 014	With this mod	del, connection	of EV kit is ne	cessary.												

Specifications and design are subject to change without notice.





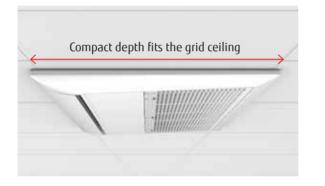


Compact chassis size

Their compact sizes make it easy to install them in a variety of commercial locations and environments.

- The chassis is less than 200 mm high in every model.
- All 4 to 12kBtu models are less than 1,000 mm wide.
- The chassis depth is 570 mm, which fits nicely into a grid-type ceiling.

Dimensions (Panel size) (Unit:										
	4	7	9	14	18	24				
Н		198	(43)		198 (43)					
W		785	(950)	1,190 (1,360)						
D		570	(620)		570 (620)					



Wide airflow range

The large flap with triangularly arrayed louvers has a wider movable range and directs an airflow to the furthest corners of the room.



In cooling mode, the horizontal airflow reaches the furthest corners of the room and avoids hitting human bodies directly in order to provide comfortable air conditioning.





Note: This is a conceptual drawing. Air conditioning performance may vary depending on installation, room size, and the distance from the wall.

Low noise operation

They produce little noise during operation, which makes them an ideal choice for use in hotel rooms.



Model: AUXV004GLEH / AUXV007GLEH / AUXV009GLEH AUXV012GLEH / AUXV014GLEH / AUXV018GLEH AUXV024GLEH



Specifications

Model name				AUXV004GLEH	AUXV007GLEH	AUXV009GLEH	AUXV012GLEH	AUXV014GLEH	AUXV018GLEH	AUXV024GLEH
Power source						Sin	gle phase, ~230V, 5	0Hz	'	
Canacibu		Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1
Capacity		Heating	KVV	1.3	2.8	3.2	4.0	5.0	6.3	8.0
Input power			W	30/30	42/42	42/42	60/60	38/38	56/56	99/99
		High		460	550	550	670	720	890	1,150
	Med-H		440	440	440	520	660	840	1,020	
Airflow rate*		Med	m³/h	420	420	420	480	630	770	940
Allilow rate.		Med-L] /	400	400	400	450	600	710	790
		Low]	380	380	380	410	580	660	700
		Quiet	1	360	360	360	360	550	580	610
		High		38	42	42	45	37	44	49
		Med-H]	37	37	37	41	36	43	47
Caund acassusa	laval*	Med	dB(A)	36	36	36	39	35	40	45
Sound pressure	ievei	Med-L	UD(A)	35	35	35	38	34	38	42
		Low]	33	33	33	36	33	36	39
		Quiet	1	32	32	32	32	32	34	36
Net Dimensions	(H × W ×	D)	mm	198 × 785 × 570	198 × 785 × 570	198 × 785 × 570	198 × 785 × 570	198 × 1,190 × 570	198 × 1,190 × 570	198 × 1,190 × 570
Weight			kg(lbs)	18 (40)	19 (42)	19 (42)	19 (42)	26 (57)	26 (57)	27 (59)
Connection		Liquid (Flare)		6.35	6.35	6.35	6.35	6.35	6.35	9.52
pipe diameter		Gas (Flare)	mm	9.52	9.52	9.52	12.70	12.70	12.70	15.88
Drain hose diameter (I.D./O.D.)		1				25/32				
Model name		me			UTG-U	NGA-W			UTG-UNGB-W	
Cassette Grille	Net Dime	nsions (H×W×D)	mm		43 × 95	0× 620	43 × 1,360 × 620			
uille	Weight	-	kg(lbs)		6.5 (14.5)		8.5 (18.0)		

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].

Optional parts

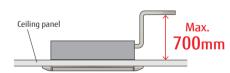
UTY-TFSXZ1 Wireless LAN Interface: UTY-TRHX IR Receiver Unit: UTG-UNGA-W / UTG-UNGB-W Cassette Grille:

External Power Supply Unit: UTZ-GXXA

Flexible Installation

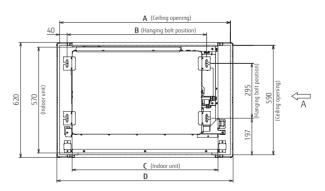
By using new L-type piping kit, more flexible installation is possible.

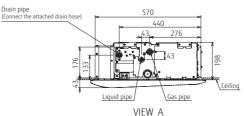
Built-in drain pump as standard accessory, which enable to have maximum 700m piping height difference from the ceiling.



Dimensions

(Unit:mm)





	AUXV004-012	AUXV014-024
Α	920	1,330
В	752	1,152
C	785	1,190
D	950	1,360

Model: AUXS018GLEH / AUXS024GLEH





3 Air Outlet Ports can be controlled individually

Using the "Comfortable airflow setting" function allows the left and right air outlet ports and the wide center air outlet ports to automatically create a comfortable space for improved comfort.

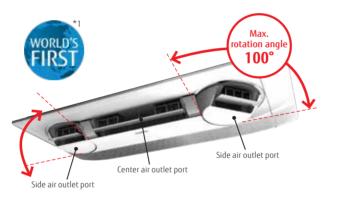
Temperature distribution during cooling and heating (when set to comfortable airflow)



Cooling: When cooling operation is stable with an outside air temperature of 35°C, a set temperature of 18°C and an air volume set to "Hi" in a 40m2 environmental our test room for the AUXS024GLEH



 $\label{eq:heating: When heating operation is stable with an outside air temperature of 7°C, a set temperature of 30°C and an air volume set to "Hi" in a <math>40m_2$ environmental our test room for the AUXS024GLEH



*1: Announced 2018. In room air conditioner for the home (our company's investigation)

Individual airflow setting

Equipped with an "Individual airflow setting" function that optimizes the airflow setting in accordance with the installation location.



Suitably setting the side air outlet ports to match how the space is used achieves air conditioning with no waste.



improved comfort is achieved even for long rooms.



Wired Remote Controller (Touch Panel) UTY-RNRGZ3

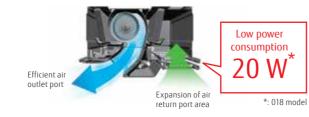
Individual air outlet port control

"Individual airflow setting" is possible using the Wired Remote Controller (Touch Panel)*. The airflow of the respective air outlet ports can be individually set.

*Wired Remote Controller (Touch Panel) UTY-RNRYZ3 only

High Energy Saving

The "New structural design" featuring large intake and smooth output reduces air blowing loss to achieve top class energy saving.



Specifications

Model name			AUXS018GLEH	AUXS024GLEH
Power source			Single phase	e, ~230V, 50Hz
Canacity	Cooling	kW	5.60	7.10
Capacity	Heating	K.VV	6.30	8.00
Input power		W	20/28	34/43
	High		750/870	950/1,040
	Med-H		710/830	890/990
Airflow rate*	Med	m³/h	690/780	860/930
Alliow rate	Med-L] ""/"	660/740	810/880
	Low		630/700	770/840
	Quiet		540/540	540/540
	High		38/41	43/46
	Med-H]	36/40	42/45
Sound pressure leve	Med Med	dB(A)	35/39	41/43
Juliu piessuie ieve	Med-L	UD(A)	35/37	40/42
	Low]	33/36	38/40
	Quiet]	29/29	29/29
Net Dimensions (H	\times W \times D)	mm	200 × 1,240 × 500	200 × 1,240 × 500
Weight		kg(lbs)	25 (55)	25 (55)
Connection	Liquid (Flare)		6.35	9.52
pipe diameter	Gas (Flare)	mm	12.70	15.88
Drain hose diameter (I.D./O.D.)			25	5/32
Mod	lel name		UTG-L	JSGA-W
Cassette Grille Net	Dimensions (H×W×D)	mm	85 × 1,3	350 × 580
Wei	ght	kg(lbs)	11.5	5 (25)

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].

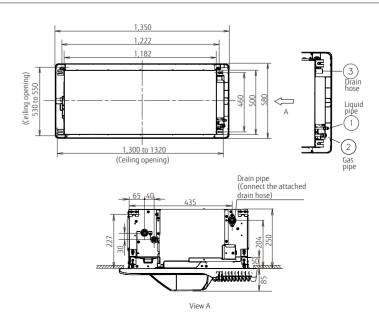
*: This value is "cooling operation / heating operation".

Optional parts

Wireless LAN Interface: UTY-TFSXZ1 IR Receiver Unit: UTY-TRHX Cassette Grille: UTG-USGA-W External Power Supply Unit: UTZ-GXXA

Dimensions

(Unit:mm)



Model: AUXB004GLEH / AUXB007GLEH / AUXB009GLEH AUXB012GLEH / AUXB014GLEH / AUXB018GLEH AUXB024GLEH



Compact Cassette Grid type





Compact and stylish panel design

Compact and stylish panel design fits the grid type ceiling. It is a linear design suitable for grid shape of 620mm \times 620mm grid ceiling.



Easy maintenance

Maintenance is easier by removing the ceiling panel next to the grill, maintenance can be done, and new installation of inspection hole is unnecessary, so construction costs can be suppressed.













Flexible installation

It is suitable for ceiling of grid type and it has high degree of freedom of installation and it can be installed beside lighting and ventilation opening.



High ceiling mode

The compact cassette can be installed up to a height of 3.0m (012/014/018/024).

Model code	The maximum height from floor to ceiling (m)							
Model code	Standard mode	High ceiling mode						
004	2.7	-						
007	2.7	-						
009	2.7	-						
012	2.7	3.0						
014	2.7	3.0						
018	2.7	3.0						
024	2.7	3.0						

Specifications

Model name				AUXB004GLEH	AUXB007GLEH	AUXB009GLEH	AUXB012GLEH	AUXB014GLEH	AUXB018GLEH	AUXB024GLEH		
Power source					Single phase, ~230V, 50Hz							
Canacity		Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1		
Capacity		Heating	KVV	1.3	2.8	3.2	4.1	5.0	6.3	8.0		
Input power			W	23	25	25	29	35	36	84		
		High		530/530	540	550	600	680	710	1,030		
		Med-H]	490/480	500	520	560	620	660	910		
Airflow rate		Med	m³/h	450/430	460	480	520	560	590	790		
Allilow rate		Med-L	1111 /11	420/380	420	440	480	500	520	680		
		Low	1	390/340	390	400	430	440	460	560		
		Quiet]	350/300	350	350	390	390	400	450		
		High		34/34	34	35	37	38	41	50		
		Med-H]	32/31	32	33	34	37	39	46		
Caucal acassusa	أالمسا	Med	dB(A)	30/29	30	31	33	34	36	43		
Sound pressure	levei	Med-L	UD(A)	28/26	28	29	31	32	33	39		
		Low]	27/24	27	27	29	30	30	35		
		Quiet]	25/21	25	25	27	27	27	30		
Net Dimensions	s (H × W ×	D)	mm	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570	245 × 570 × 570		
Weight			kg(lbs)	14.5 (32)	15 (33)	15 (33)	15 (33)	15 (33)	17 (37)	17 (37)		
Connection		Liquid (Flare)		6.35	6.35	6.35	6.35	6.35	6.35	9.52		
pipe diameter		Gas (Flare)	mm	9.52	9.52	9.52	12.70	12.70	12.70	15.88		
Drain hose diameter (I.D./O.D.)		/O.D.)]				25/32					
C	Model nar	me				UTO	i-UFGE-W / UTG-UFG	iC-W				
Cassette Grille	Net Dimer	nsions (H×W×D)	mm			50 × 6	20 × 620 / 50 × 700	× 700				
uille	Weight		kg(lbs)				2.3(5.1) / 2.6(6)					

Note: Specifications are based on the following conditions.

(ooling: 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.

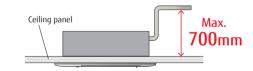
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

*1: This value is under cooling operation.

Optional parts

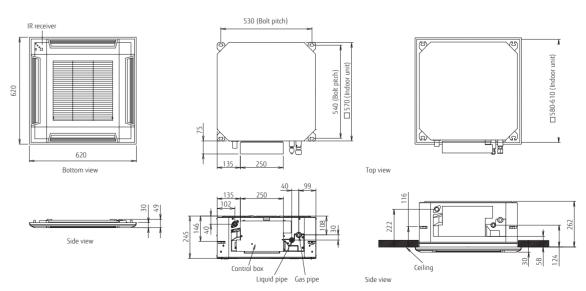
Air Outlet Shutter Plate: UTR-YDZB Flesh Air Intake Kit: UTZ-VXAA
Insulation Kit for High Humidity: UTZ-KXGC

Casette Grille: UTG-UFGC-W, UTG-UFGE-W External Power Supply Unit: UTZ-GXXA
Wireless LAN Interface: UTY-TFSXZ



Dimensions

(Unit:mm)



Cassette

Slim type Circular Flow

AIRSTAGE

Model: AUXM018GTAH / AUXM024GTAH





Unique Circular Flow design

New Cassette type achieves a Circular airflow discharge in 360° direction by means of a high performance DC fan motor, new turbo fan and unique seamless airflow louver design.

Ø7mm high density heat exchanger New DC fan motor High efficient turbo fan Seamless airflow louver



Uniform temperature air conditioning

Achieve a comfortable air conditioning spread to every corner of the room by circular flow & wide vertical airflow.





Individual louver control

Each louver can be set individually by Touch Panel Wired Remote Controller to enjoy the comfort of different directional airflows according to various room layouts.

* Touch Panel Wired RC (UTY-RNRGZ3) only



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



Efficient air conditioning based on

Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be

*Touch Panel Wired RC (UTY-RNRGZ3) only

038



2 modes can be selected

Auto saving people are away.

Operation stops after Auto OFF Operation 21, people go out.

Specifications

Model name			AUXM018GTAH	AUXM024GTAH
Power source			Single phase	, ~230V, 50Hz
Canacitu	Cooling	kW	5.6	7.1
Capacity	Heating	T KVV	6.3	8.0
Input power		W	20	25
	High		1,050	1,120
	Med-H	1	930	1,050
Airflow rate	Med	m³/h	900	930
Airriow rate	Med-L	m /n	870	900
	Low		810	870
	Quiet	1	780	780
	High		33	35
	Med-H		32	33
Sound pressure	Med	10(4)	31	32
level .	Med-L	dB(A)	30	31
	Low		29	30
	Quiet		28	28
Dimensions (H	× W × D)	mm	246×84	40×840
Weight		kg(lbs)	24.0 (53)	24.5 (54)
Connection	Liquid (Flare)		6.35	9.52
pipe diameter	Gas (Flare)	mm	12.70	15.88
Drain hose dian	neter (I.D./O.D.)	7		25 / 32
	Model name		UTG-UKGD-W	/ UTG-UKGA-B
Cassette Grille	Dimensions (H×W×D)	mm	53×95	0×950
1	Weight	kg(lbs)	6.0	(13)

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].

When AUX*018GLEH is connected to the outdoor unit other than J-IVL, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas)

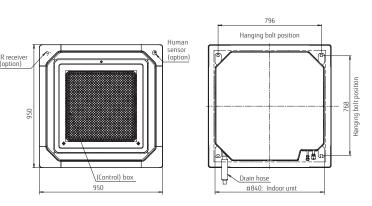
When AUXK036GLEH, AUXK045GLEH, and AUXK054GLEH are connected to the outdoor unit other than J-IVL, gas pipe diameter should be Ø19.05.

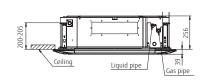
Optional parts

Human Sensor Kit:	UTY-SHZXC	Fresh Air Intake Kit:	UTZ-VXRA	Casette Grille:	UTG-UKGD-W, UTG-UKGA-B	Wireless LAN Interface: UTY-TFSXZ1
Wide Panel:	UTG-AKXA-W	Air Outlet Shutter Plate:	UTR-YDZK	External Power Supply Unit:	: UTZ-GXXA	
Danol Spacor:	LITC BKYA W	Inculation Kit for High Humidity	· IIT7 KYDA	ID Pocoivor Unit:	LITY LBHYD	

Dimensions

(Unit : mm)





Model: AUXD18GALH / AUXD24GALH

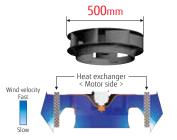


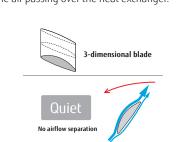


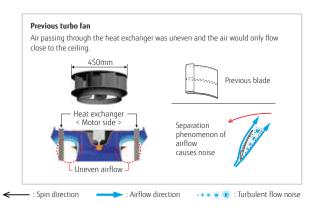


High efficiency turbo fan with 3-dimensional blade

High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.

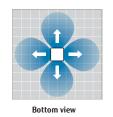


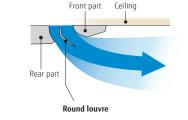


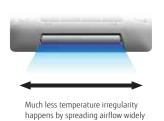


Improvement of the airflow distribution

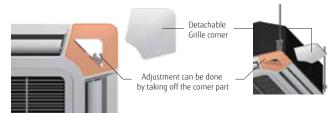
The louver design distributes air leaving a space between the chassis and the ceiling allowing far and wide air flow distribution.







Adjustment of hanger position is possible after installation



High ceiling mode

This cassette can be installed up to a height of 3.5m.

Model code	The maximum height f	rom floor to ceiling (m)
Model Code	Standard mode	High ceiling mode
18	3.0	3.5
24	3.0	3.5



Specifications

Model name				AUXD18GALH	AUXD24GALH			
Power source				Single phase, ~230V, 50Hz				
Capacity		Cooling kW		5.6	7.1			
Capacity		Heating	KVV	6.3	8.0			
Input power			W	39	46			
		High		1,150 (319)	1,280 (356)			
Airflow rate		Med	m³/h	940 (261)	1,040 (289)			
		Low		870 (242)	870 (242)			
		High		36	38			
Sound pressu	re level	Med	dB(A)	30	33			
		Low		29	29			
Net Dimensio	ns (H × W ×	D)	mm	246 × 840 × 840	246 × 840 × 840			
Weight			kg(lbs)	22 (49)	22 (49)			
Connection		Liquid (Flare)		9.52	9.52			
pipe diamete	r	Gas (Flare)	mm	15.88	15.88			
Drain hose diameter (I.D./O.D.)			25.	/32				
Cassakka	Model nar	ne		UTG-UGGA-W				
Cassette Grille	Net Dimer	nsions (H×W×D)	mm	50 × 95	0 × 950			
Jillic	Weight		kg(lbs)	5.5 (12)				

Note: Specifications are based on the following conditions.

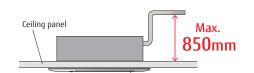
Cooling: Indoor temperature of 27*CDB / 19*CWB, and outdoor temperature of 35*CDB / 24*CWB.

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].

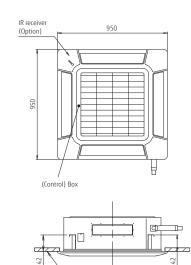
Optional parts

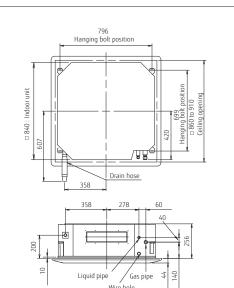
UTY-LRHGB1 Air outlet shutter plate: UTR-YDZC Panel spacer: UTG-BGYA-W Insulation kit for high humidity: UTZ-KXGB Wide panel: UTG-AGYA-W Fresh air intake kit: UTZ-VXGA Cassette Grille: UTG-UGGA-W



Dimensions

(Unit : mm)





Model: AUXK030GTAH / AUXK034GTAH / AUXK036GTAH AUXK045GTAH / AUXK054GTAH

Cassette Large type Circular Flow





Unique Circular Flow design

New Cassette type achieves a Circular airflow discharge in 360° direction by means of a high performance DC fan motor, new turbo fan and unique seamless airflow louver design.



Uniform temperature air conditioning

Achieve a comfortable air conditioning spread to every corner of the room by circular flow & wide vertical airflow.





Individual louver control

Each louver can be set individually by Touch Panel Wired Remote Controller to enjoy the comfort of different directional airflows according to various room layouts.

* Touch Panel Wired RC (UTY-RNRGZ3) only



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



Efficient air conditioning based on

Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be

*Touch Panel Wired RC (UTY-RNRGZ3) only

042



2 modes can be selected

Auto saving people are away.

Operation stops after Auto OFF Operation 211, people go out.

Model name				AUXK030GTAH	AUXK034GTAH	AUXK036GTAH	AUXK045GTAH	AUXK054GTAH		
Power source					Single phase, ~230V, 50Hz					
Capacity		Cooling	kW	9.0	10.0	11.2	12.5	14.0		
Capacity		Heating	KVV	10.0	11.2	12.5	14.0	16.0		
Input power			W	47	47	61	89	116		
		High		1,440	1,440	1,620	1,820	2,040		
		Med-H]	1,400	1,400	1,500	1,590	1,800		
Airflow rate		Med	m³/h	1,340	1,340	1,400	1,500	1,590		
Allilow rate		Med-L] ""/"	1,300	1,300	1,340	1,400	1,440		
		Low	1	1,280	1,280	1,280	1,300	1,300		
		Quiet	1	1,150	1,150	1,150	1,150	1,150		
		High		39	39	41	44	47		
		Med-H]	38	38	40	42	45		
Sound pressure	2	Med	dB(A)	37	37	38	40	42		
level .	,	Med-L	UB(A)	36	36	37	38	39		
		Low]	35	35	36	36	36		
		Quiet	1	33	33	33	33	33		
Dimensions (H	×W×D)		mm		288	× 840 × 840				
Weight			kg(lbs)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)	29.5 (65)		
Connection		Liquid (Flare)		9.52	9.52	9.52	9.52	9.52		
pipe diameter		Gas (Flare)	mm	15.88	15.88	15.88	15.88	15.88		
Drain hose diameter (I.D./O.D.)				25 / 32						
	Model na	me			UTG-UKG	D-W / UTG-UKGA-B				
Cassette Grille	Dimensio	ns (H×W×D)	mm	53×950×950						
Ī	Weight		kg(lbs)			6.0 (13)				

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].
When AUXK036GLEH, AUXK045GLEH, and AUXK054GLEH are connected to the outdoor unit other than J-IVL, gas pipe diameter should be Ø19.05.

Optional parts

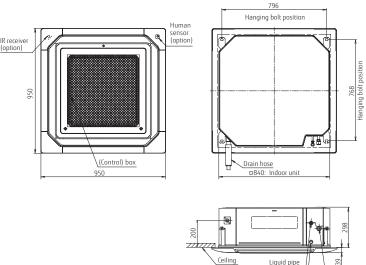
Specifications

Human Sensor Kit:	UTY-SHZXC	Fresh Air Intake Kit:	UTZ-VXRA	Casette Grille:	UTG-UKGD-W, UTG-UKGA-B	Wireless LAN Interface: UTY-TFSXZ1
Wide Panel:	UTG-AKXA-W	Air Outlet Shutter Plate:	UTR-YDZK	External Power Supply Unit	: UTZ-GXXA	

UTG-BKXA-W Insulation Kit for High Humidity: UTZ-KXRA IR Receiver Unit: UTY-LBHXD Panel Spacer:

Dimensions

(Unit : mm)



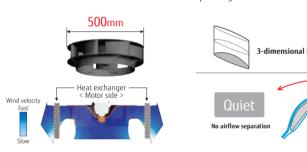
Cassette Large type 4-way Flow

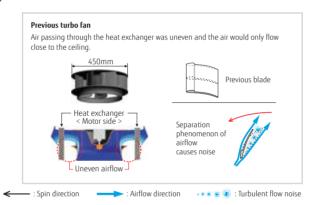




High efficiency turbo fan with 3-dimensional blade

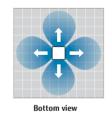
High efficiency airflow distribution has been achieved by the introduction of a 3 dimensional blade which increases the air passing over the heat exchanger.

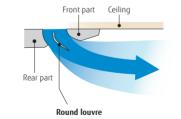


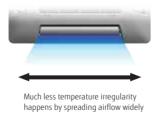


Improvement of the airflow distribution

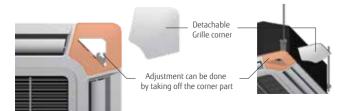
The louver design distributes air leaving a space between the chassis and the ceiling allowing far and wide air flow distribution.







Adjustment of hanger position is possible after installation



High ceiling mode

This cassette can be installed up to a height of 4.2m (36/45/54).

Model code	The maximum height from floor to ceiling (m)						
Model Code	Standard mode	High ceiling mode					
30	3.2	3.6					
34	3.2	3.6					
36	3.2	4.2					
45	3.2	4.2					
54	3.2	4.2					

Model name				AUXA30GALH	AUXA34GALH	AUXA36GALH	AUXA45GALH	AUXA54GALH	
Power source					Sin	gle phase, ~230V, 5	0Hz		
Connection		Cooling	kW	9.0	10.0	11.2	12.5	14.0	
Capacity		Heating		10.0	11.2	12.5	14.0	16.0	
Input power			W	59	77	80	99	119	
		High		1,600 (444)	1,750 (486)	1,800 (500)	1,900 (528)	2,000 (556)	
Airflow rate		Med	m³/h	1,300 (361)	1,300 (361)	1,300 (361)	1,370 (381)	1,370 (381)	
		Low		1,100 (306)	1,100 (306)	1,100 (306)	1,100 (306)	1,100 (306)	
		High	dB(A)	40	43	44	46	47	
Sound pressu	re level	Med		38	38	38	39	39	
		Low	1	33/31*1	33/31*1	33/31*1	33/31*1	33/31*1	
Net Dimensio	ns (H × W >	(D)	mm	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	288 × 840 × 840	
Weight			kg(lbs)	27 (60)	27 (60)	27 (60)	27 (60)	27 (60)	
Connection		Liquid (Flare)		9.52	9.52	9.52	9.52	9.52	
pipe diamete	ſ	Gas (Flare)	mm	15.88	19.05	19.05	19.05	19.05	
Drain hose diameter (I.D./O.D.)]		25/32					
ć	Model na	ame		UTG-UGGA-W					
Cassette Grille	Net Dime	ensions (H×W×D)	mm	50 × 950 × 950					
UIIIC	Weight		kg(lbs)	5.5 (12)					

Note : Specifications are based on the following conditions.

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

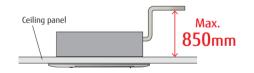
Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

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

*1: This value is under cooling operation.

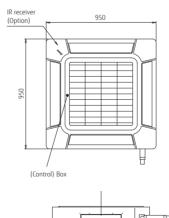
Optional parts

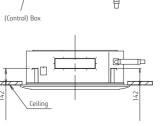
UTY-LRHGB1 IR receiver unit: Air outlet shutter plate: Panel spacer: UTR-YDZC UTG-BGYA-W Insulation kit for high humidity: UTZ-KXGB Wide panel: UTG-AGGA-W Fresh air intake kit: UTZ-VXGA Cassette Grille: UTG-UGGA-W

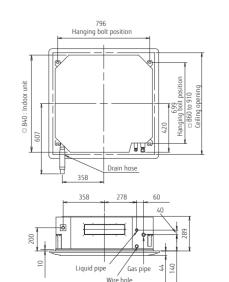


Dimensions

(Unit:mm)







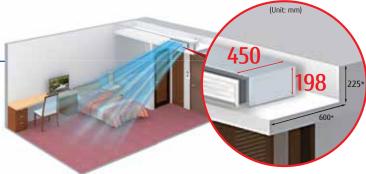
Low Static Pressure Duct Mini Duct





Large living space available

- Installation space can be reduced down to minimum depth 450mm height 198 mm and compact design
- Minimum size: Depth 450mm, Height 198mm Volume 30% down compared with current model
- Lightweight: 16kg 10%down



*: Minimum installation dimension

Optimum airflow path and low noise operation

Low noise is realized drastically by stabilized airflow design



6-speed control*

Multistep airflow speed control allows this model to install in a quiet location.



6-Step Speed



at 04 model

* Compatible Remote Controller is as follows: UTY-RNRGZ3/UTY-RLRG/UTY-RSRG/UTY-RHRG/UTY-DCGGZ1/UTY-ALGXZ1/UTY-APGXZ1

Easy design and maintenance for drain

Maintenance is easy by easy design indoor unit. Parts can be replaced from the side of the unit where maintenance is easier.



Built-in drain pump as standard :

Model: ARXK004GLFH / ARXK007GLFH / ARXK009GLFH ARXK012GLFH / ARXK014GLFH / ARXK018GLFH ARXK024GLFH



ARXK004/007/009/012/014GLFH





Specifications

Model name			ARXK004GLFH	ARXK007GLFH	ARXK009GLFH	ARXK012GLFH	ARXK014GLFH	ARXK018GLFH	ARXK024GLFH	
Power source			Single phase, ~230V, 50Hz							
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1	
Сарасиу	Heating	KW	1.3	2.8	3.2	4.0	5.0	6.3	8.0	
Input power		W	26	28	28	35	66	73	80	
	High		460	460	460	550	760	930	1,160	
	Med-H		440	440	440	520	660	840	1,060	
Airflow rate	Med	m³/h	420	420	420	480	560	740	960	
Allilow rate	Med-L	111 /11	400	400	400	450	490	640	860	
	Low	Ī	370	370	370	410	410	540	750	
	Quiet	Ī	340	340	340	340	340	470	610	
Static pressure range		Pa	0 to 30	0 to 30	0 to 30	0 to 30	0 to 50	0 to 50	0 to 50	
Standard static pressure		Pd	10	10	10	10	15	15	15	
	High		25	26	26	29	34	33	32	
	Med-H	Ī	24	25	25	27	31	30	30	
Cound processes lovel	Med	dB(A)	23	24	24	26	28	28	28	
Sound pressure level	Med-L	UD(A)	22	23	23	25	26	26	27	
	Low	Ī	21	22	22	24	24	24	25	
	Quiet		20	21	21	22	22	22	22	
Net Dimensions (H × W	× D)	mm	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 700 × 450	198 × 900 × 450	198 × 1,100 × 450	
Weight		kg(lbs)	14.5 (32)	15.5 (34)	15.5 (34)	16 (35)	16 (35)	19 (42)	22.5 (50)	
Connection	Liquid (Flare)		6.35	6.35	6.35	6.35	6.35	6.35	9.52	
pipe diameter	Gas (Flare)	mm	9.52	9.52	9.52	12.70	12.70	12.70	15.88	
Drain hose diameter (I.C)./O.D.)	Ī				25/32				

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].

Optional parts

UTY-XSZX Auto Louver Grille Kit: UTD-GXTA-W (004/007/009/012/014) Remote Sensor Unit: UTY-TRHX UTD-GXTB-W (018) IR Receiver Unit: External Power Supply Unit: UTZ-GXXA UTD-GXTC-W (024)

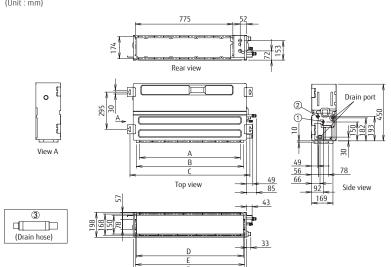
Auto Louver Grille Kit (Option)

Thin design provides a comfortable living environment over a wide area. Automatic louver grille provides comfortable air conditioning all the way down to the floor and matches the interior design well. (Optional)



Dimensions

(Unit : mm)



Front view

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

	ARXK004-014	ARXK018	ARXK024
Α	P100×6=600	P100×8=800	P100×10=1000
В	650	850	1050
C	752	952	1152
D	650	850	1050
Е	665	864	1064
F	700	900	1100

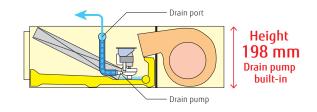
Low Static Pressure Duct Slim Duct / **Slim Concealed** Floor





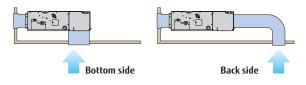
Slim design

With a slim design, this indoor unit can be installed in narrow ceiling



Air-intake

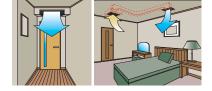
Air intake direction can be selected to match the installation site.



Flexible installation

Ceiling concealed











Selectable with a wide range of static pressure

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

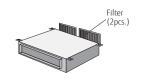


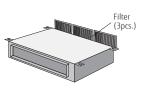


*024 model is 0 to 50Pa

Filter (Accessory)

ARXD04/007/009/012/014/018 ARXD024





Model: ARXD04GALH / ARXD007GLEH / ARXD009GLEH ARXD012GLEH / ARXD014GLEH / ARXD018GLEH ARXD024GLEH







ARXD04GALH ARXD007/009/012/014GLEH

ARXD018GLEH

ARXD024GLEH

Slim Concealed

Specifications

Model name			ARXD04GALH*	ARXD007GLEH	ARXD009GLEH	ARXD012GLEH	ARXD014GLEH	ARXD018GLEH	ARXD024GLEH		
Power source				Single phase, ~230V, 50Hz							
Capacity Cooling Heating		kW	1.1	2.2	2.8	3.6	4.5	5.6	7.1		
] KW	1.3	2.8	3.2	4.0	5.0	6.3	8.0		
Input power		W	40	44	50	54	92	83	122		
	High		510	550	600	600	800	940	1,330		
	Med-H]	=	480	510	530	680	820	1,140		
Airflow rate	Med	m³/h	400/470*1	440	460	490	600	730	1,020		
Allilow rate	Med-L] ""/"	=	410	420	450	520	630	900		
	Low		320/440*1	370	370	410	440	540	780		
	Quiet		=	320	320	340	340	470	610		
Static pressure range		Pa	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 90	0 to 50		
Standard static pressure		7 74	25	25	25	25	25	25	25		
	High		26	28	29	30	34	34	35		
	Med-H]	=	26	27	28	32	31	31		
Could be a consultation	Med	dB(A)	21/25*1	25	25	27	30	29	29		
Sound pressure level	Med-L	T UD(A)	=	24	24	26	28	27	27		
	Low	1	20/22*1	22	22	24	25	25	24		
	Quiet	1	-	21	21	22	22	23	21		
Net Dimensions (H × W ×	D)	mm	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 700 × 620	198 × 900 × 620	198 × 1,100 × 620		
Weight		kg(lbs)	17 (37)	17 (37)	17 (37)	18 (40)	18 (40)	22 (48)	26 (57)		
Connection	Liquid (Flare)		6.35	6.35	6.35	6.35	6.35	6.35	9.52		
pipe diameter	Gas (Flare)	mm	12.70	9.52	9.52	12.70	12.70	12.70	15.88		
Drain hose diameter (I.D	./O.D.)	1				25/32					

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.

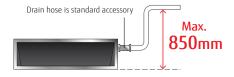
Pipe length: 7.5 m; Height difference between outdoor unit and indoor unit: 0 m. Voltage: 230 [V].

Optional parts

Auto Louver Grille Kit: UTD-GXTA-W (04/007/009/012/014) UTY-XSZX IR Receiver Unit : UTB-YWC (004) UTD-GXTB-W (018)

UTY-TRHX (007/009/012/014/018/024) UTD-GXTC-W (024)

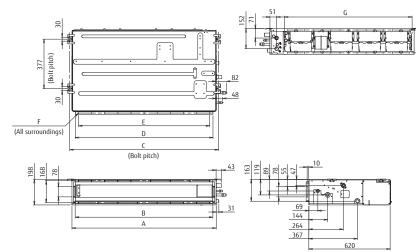
External Power Supply Unit: UTZ-GXXA



Dimensions

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

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



	ARXD04-014	ARXD018	ARXD024
Α	700	900	1100
В	650	850	1050
С	734	934	1134
D	650	850	1050
Е	P100×6=600	P100×8=800	P100×10=1000
F	18ר5	22ר5	26ר5
G	574	774	974

049

^{*1:} This value is under cooling operation.

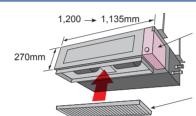
^{*:}ARXD04GALH cannot be connected to J-IVS / J-IVL Series.

Low Static Pressure Duct



Slim & Compact design

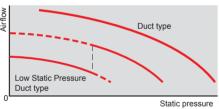
In the case of bottom return air connection, not only does the indoor unit design allow for installation in a narrow ceiling space of up to 270mm, Further space savings have been achieved by mounting the electrical control box internally inside the chassis.



Control box is now included as part of the main chassis

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

Line-up of low-noise and high-power models, compatible with a wide range of static pressure



Low Static Pressure Duct type

An ultra low-noise model that achieves a quiet interior. Perfect for hotels or bedrooms with limited air duct installation space. Two different levels can be selected according to the static pressure range.

Optimum model for hotels

or bedrooms

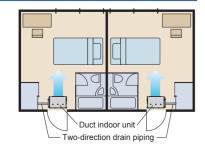


Duct type Powerful model with a flexible design

With a powerful motor, appropriate for a wide range of static pressure. Flexible air duct installation is possible in a large space such as an office.

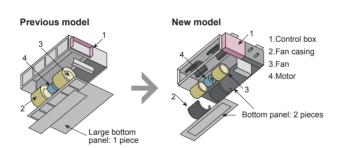


Two-direction drain piping



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. The internal fan casing is also manufactured in two pieces, namely upper and lower. The maintenance of the motor and fan can be easily carried out by removing the rear panel and the lower part of the casing while leaving the main chassis installed.

Installation styles

Embedded in Ceiling

Hanging from Ceiling









Models: ARXB24GALH / ARXB30GALH / ARXB36GALH / ARXB45GALH



Specifications

Model name			ARXB24GALH	ARXB30GALH	ARXB36GALH	ARXB45GALH		
Power source			230V ~, 50Hz					
Canacity	Cooling	kW	7.1	9.0	11.2	12.5		
Capacity	Heating	KVV	8.0	10.0	12.5	14.0		
Input power		W	145	198	253	338		
	High	m³/h	1,100 (306)	1,410 (392)	1,710 (475)	1,970 (547)		
Airflow rate	Med	(l/s)	920 (256)	1,280 (356)	1,600 (444)	1,790 (497)		
	Low		810 (225)	1,150 (319)	1,470 (408)	1,670 (464)		
Static pressure range		. Pa	0 to 80	0 to 80	0 to 80	0 to 80		
Standard static pressure			40	50	50	60		
	High		31	34	37	41		
Sound pressure level	Med	dB(A)	27	32	35	38		
	Low		25	29	33	36		
Dimensions (H x W x D)		mm		270 x 1,	135 x 700			
Weight		kg	3:	9	4	12		
	Liquid (Flare)			øs	9.52			
Connection pipe diameter	Gas (Flare)	mm	ø15	.88	ø19	9.05		
	Drain hose]		VP25[ø25(I.	D.); ø32(O.U.)]			

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.

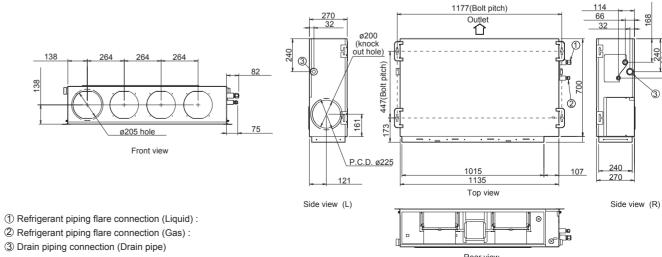
Optional parts

Remote Sensor Unit: UTY-XSZX Flange (Round): UTD-RF204 UTD-LF25NA IR Receiver Unit: UTB-YWC Flange (Square): UTD-SF045T Drain Pump Unit: UTZ-PX1NBA

Dimensions (Unit:mm)

Models: ARXB24 / ARXB30 / ARXB36 / ARXB45

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



- 2 Refrigerant piping flare connection (Gas):



Medium Static Pressure Duct

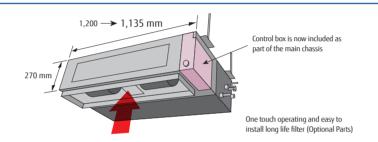




Feature

Slim & Compact design

The slim and compact design of the indoor unit, with the control box mounted on the side of the unit, allows installation in narrow spaces.



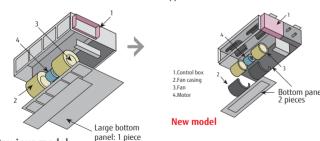
Selectable with a wide range of static pressure

It is possible to change of static pressure range 0 to 150 Pa.

Static pressure range 0 to 150 Pa

Easy maintenance

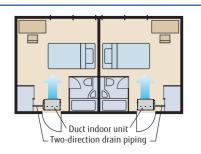
See below for the case of rear suction type



Previous model

Structural improvement is attained by making the bottom panel two pieces, front and rear. The internal fan casing is also manufactured in two pieces, namely upper and lower. The maintenance of the motor and fan can be easily carried out by removing the rear panel and the lower part of the casing while leaving the main chassis installed.

Two-direction drain piping



Can be installed for various location

It can be installed in such locations as high-rise condominiums by low static pressure design.



It can also be installed in wide spade when high static pressure is required, such as for offices.



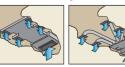
Easy setting by using remote controller

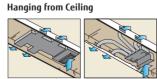
The change of static pressure range is possible by remote controller



Installation styles

Embedded in Ceiling





Models: ARXA24GBTH / ARXA30GBTH ARXA36GBTH / ARXA45GBTH



Specifications

Model name			ARXA24GBTH	ARXA30GBTH	ARXA36GBTH	ARXA45GBTH					
Power source			Single phase, 220-240V, 50Hz								
C	Cooling	kW	7.1	9.0	11.2	12.5					
Capacity	Heating	KVV	8.0	10.0	12.5	14.0					
Input power		W	94	108	194	240					
	High		1,280 (356)	1,410 (392)	1,840 (511)	1,970 (547)					
Airflow rate	Med	m ³ /h (I/s)	990 (275)	1,280 (356)	1,600 (444)	1,860 (517)					
	Low	(1/5)	840 (233)	1,150 (319)	1,470 (408)	1,640 (456)					
Static pressure ra	ange	D-	0 to 150	0 to 150	0 to 150	0 to 150					
Standard static p	oressure	Pa	40	50	50	60					
	High		31	34	37	41					
Sound pressure level	Med	dB (A)	27	32	35	38					
icvci	Low	(//)	23	29	33	36					
Dimensions (H ×	W × D)	mm	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700	270 × 1,135 × 700					
Weight		kg(lbs)	39 (86)	42 (93)	42 (93)	42 (93)					
Connection	Liquid (Flare)		9.52	9.52	9.52	9.52					
pipe diameter	Gas (Flare)	mm	15.88	15.88	19.05	19.05					
Drain hose diam	eter (I.D./O.D.)		'	25	/ 32						

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].

Optional parts

Remote Sensor Unit: UTY-XSZX Flange (Round): UTD-RF204 Long Life Filter: UTD-LF25NA IR Receiver Unit: UTB-YWC Flange (Square): UTD-SF045T Drain Pump Unit: UTZ-PX1NBA

Dimensions (Unit: mm)

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

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

055

AIRSTAGE

High Static Pressure Duct Normal



Static pressure selection

By using DC fan motor, it is possible to change static pressure range from 0 to 200Pa (ARXC036) / 300Pa (ARXC72 / 90).





(ARXC72/90 type)

(ARXC036 type)

(unit: mm)

Easy installation (Compact size & Lightweight)

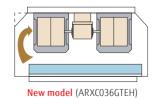
A compact size and lightweight indoor unit has been developed by reducing the basic chassis and the overall material weight.





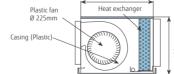
Low noise

Models: ARXC036 / ARXC45 / ARXC60 Cutting off the corners of the conventional indoor unit front panel and fan casing, has enabled less turbulent air flow. Low noise is realized by adopting a plastic case and a plastic fan.



ARXC036GTEH: Plastic fan [42dB(A)] * Model : Material





Low energy consumption by high efficiency DC fan motor

Improved motor efficiency from previous model.





Model: ARXC036GTEH / ARXC45GATH / ARXC60GATH ARXC072GATH / ARXC090GATH







ARXC72/90GATH

Specifications

Model name			ARXC036GTEH	ARXC45GATH	ARXC60GATH*	ARXC072GATH*	ARXC090GATH*
Power source					Single phase, ~230V, 50Hz		
Capacity	Cooling	kW	11.2	12.5	18.0	22.4	25.0
сарасіту	Heating	T KW	12.5	14.0	20.0	25.0	28.0
Input power		W	207	715	730	1,110	1,250
	High		1,990	3,500	3,500	3,900	4,300
Airflow rate	Med	m³/h	1,680	3,000	3,000	3,300	4,000
	Low	1 1	1,330	2,460	2,460	3,000	3,500
Static pressure range		Pa	0 to 200	100 to 250	100 to 250	0 to 300	0 to 300
Standard static pressure		Pd	100	100	100	260	250
	High		42	49	49	51	53
Sound pressure level	Med	dB(A)	36	45	45	48	51
	Low	1	32	42	42	45	49
Net Dimensions (H × W	D)	mm	400 × 1,050 × 500	400 × 1,050 × 500	400 × 1,050 × 500	450 × 1,550 × 700	450 × 1,550 × 700
Weight		kg(lbs)	40 (88)	46 (101)	46 (101)	83 (185)	85 (185)
Connection	Liquid		9.52 (Flare)	9.52 (Flare)	9.52 (Flare)	12.70 (Flare)	2.70 (Flare)
pipe diameter	Gas	mm	15.88 (Flare)	19.05 (Flare)	19.05 (Flare)	22.22 (Flare)	22.22 (Flare)
Drain hose diameter (I.C	./O.D.)				25/32		

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].

*: ARXC60/072/090 cannot be connected to J-IVS Series.

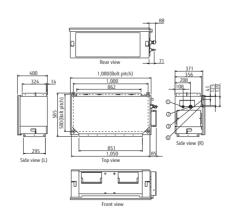
Optional parts

UTD-LF60KA (036/45/60) Long-Life Filter IR Receiver Unit : UTB-YWC (45/60/72/90) UTY-TRHX (036) External Power Supply Unit: UTZ-GXXA (036)

Wireless LAN Interface : UTY-TFSXZ1 (036)

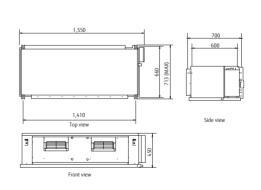
Dimensions

Models: ARXC036 / ARXC45 / ARXC60



- ① Refrigerant piping flare connection (Liquid)
- ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection (safety drain pan)
- 4 Drain piping connection (Main drain pan)

Models: ARXC72 / ARXC90



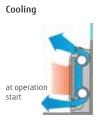
Compact floor





2-Fan & Wide airflow

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





Heating Prevents cold at stable

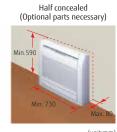
Flexible & easy installation

Due to compact and whole surface suction method model, floor, concealed, half concealed, or wall mounted installation can be available to match the room layout.









Quiet operation

Quiet operation is realized by 6 fan speed control. (via 2 wire controller)







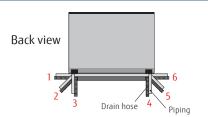


at 004/007/009 models

* Compatible Remote Controller is as follows: UTY-RNRGZ3/UTY-RLRG/UTY-RSRG/UTY-RHRG/UTY-DCGGZ1/UTY-ALGXZ1/UTY-APGXZ1

Flexible piping connection 6 direction of drain & piping

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



Model: AGHA004GCGH / AGHA007GCGH / AGHA009GCGH AGHA012GCGH / AGHA014GCGH

[EEV external] AGHE004GCEH / AGHE007GCEH / AGHE009GCEH AGHE012GCEH / AGHE014GCEH



Specifications

Model name			AGHA004GCGH	AGHA007GCGH	AGHA009GCGH	AGHA012GCGH	AGHA014GCGH	AGHE004GCEH	AGHE007GCEH	AGHE009GCEH	AGHE012GCEH	AGHE014GCEH
Power source				Single	phase, ~230V	, 50Hz			Single	phase, ~230V	, 50Hz	
Capacity	Cooling	kW	1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0
Сарасиу	Heating] NVV	1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5
Input power		W	12/14	16	17	22	29	14	16	17	22	29
	High		380 / 430	470	500	590	670	380 / 430	470	500	590	670
	Med-H		350	420	450	520	590	350	420	450	520	590
Airflow rate	Med	m³/h	320	390	400	470	520	320	390	400	470	520
Allilowidle	Med-L] ""/"	310	360	360	420	450	310	360	360	420	450
	Low]	280	330	330	390	390	280	330	330	390	390
	Quiet]	210	270	270	340	340	210	270	270	340	340
	High		35 / 36	37	38	42	46	35 / 36	37	38	42	46
	Med-H	1	33	35	36	39	42	33	35	36	39	42
Sound pressure level	Med	dB(A)	31	33	34	37	39	31	33	34	37	39
Sound pressure level	Med-L	UD(A)	30	31	31	35	36	30	31	31	35	36
	Low	1	28	29	29	33	33	28	29	29	33	33
	Quiet	1	22	22	22	30	30	22	22	22	30	30
Net Dimensions (H × W	× D)	mm		6	00 x 740 x 20	0			6	00 x 740 x 20	0	
Weight		kg(lbs)	15.0 (33.0)	15.0 (33.0)	15.0 (33.0)	15.0 (33.0)	15.0 (33.0)	14.5 (32.0)	14.5 (32.0)	14.5 (32.0)	14.5 (32.0)	14.5 (32.0)
Connection	Liquid (Flare)		6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
pipe diameter	Gas (Flare)	mm	9.52	9.52	9.52	12.70	12.70	9.52	9.52	9.52	12.70	12.70
Drain hose diameter (I.D./O.D.)			13.8/15.8to16.7						3.8/15.8to16.	7		
EV Kit (option)				-				UTR-EV09XB UTR-EV14XB			V14XB	

Note: Specifications are based on the following condition

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°CWB.

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

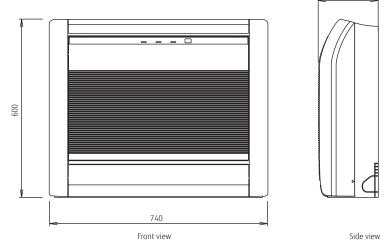
When AGHA004/007/009GCGH, AGHE004/007/009GCEH are connected to the outdoor unit other than J-IVL, gas pipe diameter should be Ø12.70.

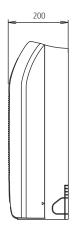
Optional parts

Half concealed kit: External Power Supply Unit: UTZ-GXXA
Wireless LAN Interface: UTY-TFSXZ

Dimensions

(Unit:mm)







Floor / Ceiling





Flexible installation

Example for floor installation Floor console



Example for ceiling installation Under ceiling



Double auto swing

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



UP and DOWN SWING



High power DC fan motor

- High power Wide rotation range High efficiency



Compact design

Symmetrical, slim and compact design.



Model: ABHA012GTEH / ABHA014GTEH / ABHA018GTEH / ABHA024GTEH



Floor standing



Specifications

Model name			ABHA012GTEH	ABHA014GTEH	ABHA018GTEH	ABHA024GTEH
Power source	·		<u> </u>	Single phas	e, ~230V, 50Hz	
Capacity	Cooling	kW	3.6	4.5	5.6	7.1
Capacity	Heating	T KVV	4.0	5.0	6.3	8.0
Input power	•	W	30	42	74	99
	High		660	780	1,000	1,000
	Med-H	1 [620	740	910	930
Airflow rate	Med	m³/h	580	690	830	870
Allilow rate	Med-L] ""/" [550	640	750	800
	Low	1 [520	600	660	740
	Quiet	1 [490	550	580	680
	High		36	40	46	47
	Med-H	1 [34	39	44	45
Council acceptance lough	Med	dB(A)	33	38	42	43
Sound pressure level	Med-L	UD(A)	31	36	40	41
	Low	1 [29	35	37	39
	Quiet	1 [28	34	35	37
Net Dimensions (H × W	× D)	mm	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655	199 × 990 × 655
Weight		kg(lbs)	25 (55)	26 (57)	26 (57)	27 (60)
Connection	Liquid (Flare)		6.35	6.35	6.35	9.52
pipe diameter	Gas (Flare)	mm	12.70	12.70	12.70	15.88
Drain hose diameter (I.C	rain hose diameter (I.D./O.D.)			2	5/32	·

Note: Specifications are based on the following conditions.

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

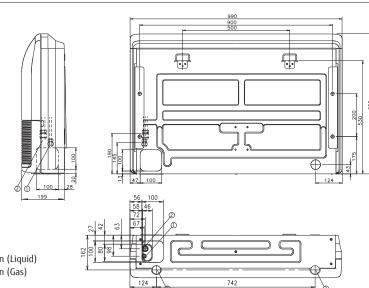
Heating: Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

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

Optional parts

External Power Supply Unit : UTZ-GXXA Wireless LAN Interface : UTY-TFSXZ1

Dimensions



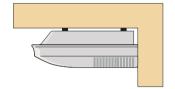
- ① Refrigerant piping flare connection (Liquid) ② Refrigerant piping flare connection (Gas)
- ③ Drain piping connection



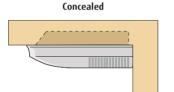


Installation

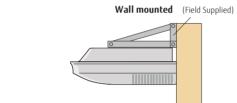
0pen



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



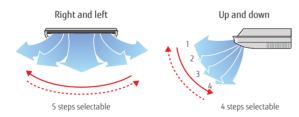
Installation pattern where part of the indoor unit is embedded into the ceiling.



Installation which fixes the indoor unit to the wall by the use of wall brackets (Field supplied). This type of installation can be used when the ceiling space is insufficient.

Double auto swing and wide airflow

Auto airflow direction and auto swing

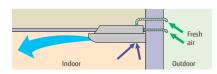


High power DC fan motor

- High power
- Wide rotation range
- High efficiency

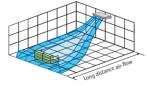


Fresh air intake



Long airflow

Long Airflow ensures comfort to every corner of a large room.



Slim & Compact design



Specifications

Model name			ABHA030GTEH	ABHA036GTEH	ABHA045GTEH	ABHA054GTEH
Power source				Single phase	, ~230V, 50Hz	
Canacibu	Cooling	kW	9.0	11.2	12.5	14.0
Capacity	Heating	KVV	10.0	12.5	14.0	16.0
Input power		W	66	85	131	180
	High		1,630	1,690	2,010	2,270
	Med-H]	1,520	1,560	1,840	2,070
Airflow rate	Med	m³/h	1,420	1,450	1,690	1,860
Allilow late	Med-L	1111 /111	1,320	1,360	1,530	1,660
	Low]	1,220	1,270	1,380	1,470
	Quiet	1	1,140	1,170	1,230	1,280
	High		42	45	48	51
	Med-H]	40	41	46	49
Causal acassusa laual	Med	dB(A)	39	39	45	46
Sound pressure level	Med-L	UD(A)	37	38	41	43
	Low	1	35	36	38	40
	Quiet	1	33	34	35	36
Net Dimensions (H × W >	(D)	mm	240 × 1,660 × 700	240 × 1,660 × 700	240 × 1,660 × 700	240 × 1,660 × 700
Weight		kg(lbs)	46 (101)	48 (106)	48 (106)	48 (106)
Connection	Liquid (Flare)		9.52	9.52	9.52	9.52
pipe diameter	Gas (Flare)	mm	15.88	15.88	15.88	15.88
Drain hose diameter (I.D)./O.D.)	1		25	/32	

Note: Specifications are based on the following conditions.

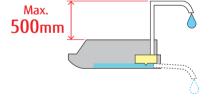
(Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

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].

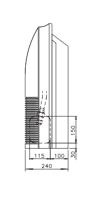
Optional parts

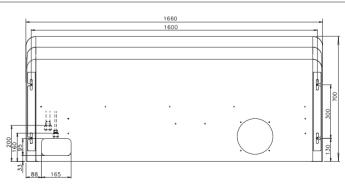
UTR-DPB24T Drain Pump Unit : Flange: UTD-RF204 External Power Supply Unit: UTZ-GXXA Wireless LAN Interface : UTY-TFSXZ1

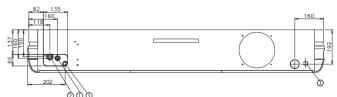


Dimensions

(Unit:mm)







- $\textcircled{1} \ \ \text{Refrigerant piping flare connection (Liquid)}$
- ② Refrigerant piping flare connection (Gas)
- 3 Drain piping connection

060

Wall Mounted





High efficient compact design

The 004-014 model has a common design. High efficient compact design has been achieved by mounting a high density and large heat exchanger. Compact body makes it possible to install discretely even in a meeting or office room and comfortable air conditioning is provided.



More comfort airflow

Comfortable air conditioning is provided by mounting our unique power diffuser.

Heating

Vertical airflow provides powerful floor level heating





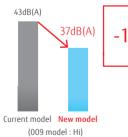
Horizontal airflow does not blow cool air directly at the occupants in the room





Quiet operation & 6 Fan Speed Control

Drastic low noise is achieved by new airflow structure. Multistep airflow control is possible to suit the environment.



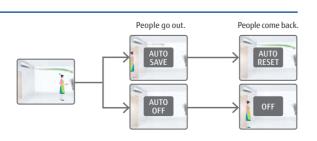




* Compatible Remote Controller is as follows: UTY-RNRGZ3/UTY-RLRG/UTY-RSRG/UTY-RHRG/UTY-DCGGZ1/UTY-ALGXZ1/UTY-APGXZ1

Human sensor increases more energy saving

Energy saving operation starts automatically by detecting the motion of a person. 2 modes of save operation mode and stop mode can be selected.



Model: ASHA004GCGH / ASHA007GCGH / ASHA009GCGH ASHA012GCGH / ASHA014GCGH

[EEV external] ASHE004GCEH / ASHE007GCEH / ASHE009GCEH ASHE012GCEH / ASHE014GCEH



Specifications

Model name			ASHA004GCGH	ASHA007GCGH	ASHA009GCGH	ASHA012GCGH	ASHA014GCGH	ASHE004GCEH	ASHE007GCEH	ASHE009GCEH	ASHE012GCEH	ASHE014GCEH
Power source				Single	phase, ~230V	, 50Hz			Single	phase, ~230\	, 50Hz	
Canacity	Cooling	kW	1.1	2.2	2.8	3.6	4.0	1.1	2.2	2.8	3.6	4.0
Capacity	Heating	KVV	1.3	2.8	3.2	4.0	4.5	1.3	2.8	3.2	4.0	4.5
Input power		W	12	19	20	25	36	12	19	34	25	36
	High		450	550	610	690	800	450	550	610	690	800
	Med-H		430	510	560	610	740	430	510	560	610	740
Airflow rate	Med	m³/h	400	470	510	560	680	400	470	510	560	680
Allilow rate	Med-L] /	380	410	440	530	610	380	410	440	530	610
	Low		360	360	360	470	550	360	360	360	470	550
	Quiet		310	310	310	330	330	310	310	310	330	330
	High		31	34	37	40	44	31	35	43	40	44
	Med-H		30	32	35	37	42	30	32	38	37	42
Sound pressure level	Med	dB(A)	28	30	32	35	40	28	30	34	35	40
Juliu piessuie ievei	Med-L	UD(A)	27	28	29	33	37	27	27	29	33	37
	Low]	26	26	26	30	34	26	24	24	30	34
	Quiet		22	22	22	24	24	22	22	22	24	24
Net Dimensions (H × W	(D)	mm		2	68 x 840 x 20	3			2	68 x 840 x 20	3	
Weight		kg(lbs)	8.0 (18.0)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)	8.0 (18.0)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)	8.5 (19.0)
Connection	Liquid (Flare)		6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
pipe diameter	Gas (Flare)	mm	9.52	9.52	9.52	12.70	12.70	9.52	9.52	9.52	12.70	12.70
Drain hose diameter (I.D	Orain hose diameter (I.D./O.D.)		13.8/15.8 to16.7				13.8/15.8 to16.7					
EV Kit (option)					-				UTR-EV09XB		UTR-E	V14XB

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].

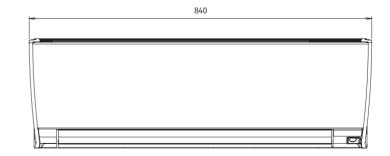
When ASH*004G**H, ASH*007G**H, ASH*009G**H are connected to the outdoor unit other than J-IVL, gas pipe diameter should be Ø12.70.

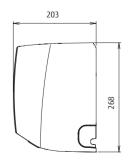
Optional parts

External Power Supply Unit: UTZ-GXXA Wireless LAN Interface : UTY-TFSXZ1

Dimensions

(Unit:mm)





Model: ASHA18GBCH / ASHA24GBCH ASHA030GTEH / ASHA034GTEH **Wall Mounted**





ASHA18/24GBCH

ASHA030/034GTEH

Specifications

Model name			ASHA18GBCH	ASHA24GBCH	ASHA030GTEH	ASHA034GTEH
Power source			Single phase	, ~230V, 50Hz	Single phase	, ~230V, 50Hz
Canacitu	Cooling	kW	5.6	7.1	9.0	10.0
Capacity	Heating] KW	6.3	8.0	10.0	11.2
Input power		W	32	60	74	103
	High		840	1,100	1,440	1,620 / 1,520
	Med-H] [-	-	1,200	1,300
Airflow rate	Med	m³/h	770	910	1,050	1,120
Allilow rate	Med-L] ""/" [=	-	940	980
	Low] [690	730	890	890
	Quiet] [-	-	700	700
	High		41	48	53	55 / 54
	Med-H] [-	-	49	51
Causad acadeura laual	Med	dB(A)	39	43	45	47
Sound pressure level	Med-L	UD(A)	-	-	42	43
	Low	1 [35	35	39	39
	Quiet	1 1	-	-	33	33
Net Dimensions (H × W	× D)	mm	320 x 998 x 238	320 x 998 x 238	340 x 1,150 x 280	340 x 1,150 x 280
Weight		kg(lbs)	15 (33)	15 (33)	18 (40)	18 (40)
Connection	Liquid (Flare)		6.35	9.52	9.52	9.52
pipe diameter	Gas (Flare)	mm	12.70	15.88	15.88	15.88
Drain hose diameter (I.I	D./O.D.)	1	12	/16	13.8/15.	.8 to16.7

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].

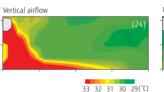
When ASHA18GBCH is connected to the outdoor unit other than J-IVL, pipe diameter should be Ø9.52/Ø15.88 (Liq/Gas).

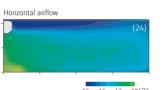
DC FAN

Powerful & Comfort airflow



Power diffuser (ASHA18/24GBCH)





Human sensor (ASHA030/034GTEH only)

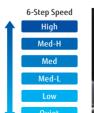
A human sensor senses the movement of humans to reduce operation when one is in the room. the energy consumption is reduced automatically to keep down electricity bills. (Available to wired remote controller as UTY-RNRGZ3)



Quiet operation & 6 Fan speed control

Drastic low noise is achieved by new airflow structure. In addition, multistep quiet operation is available by 6-step sound level settings.







* Compatible Remote Controller is as follows: UTY-RNRGZ3/UTY-RLRG/UTY-RSRG/UTY-RHRG/UTY-DCGGZ1/UTY-ALGXZ1/UTY-APGXZ1

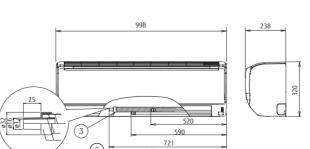
Optional parts

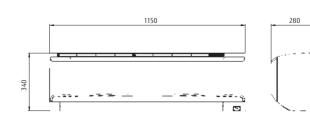
External Power Supply Unit: UTZ-GXXA (030/034) Wireless LAN Interface: UTY-TFSXZ1 (030/034)

Dimensions

(Unit:mm)

Models: ASHA18 / ASHA24





Models: ASHA030 / ASHA034

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

Residential, Commercial & Light Commercial VENTILATION

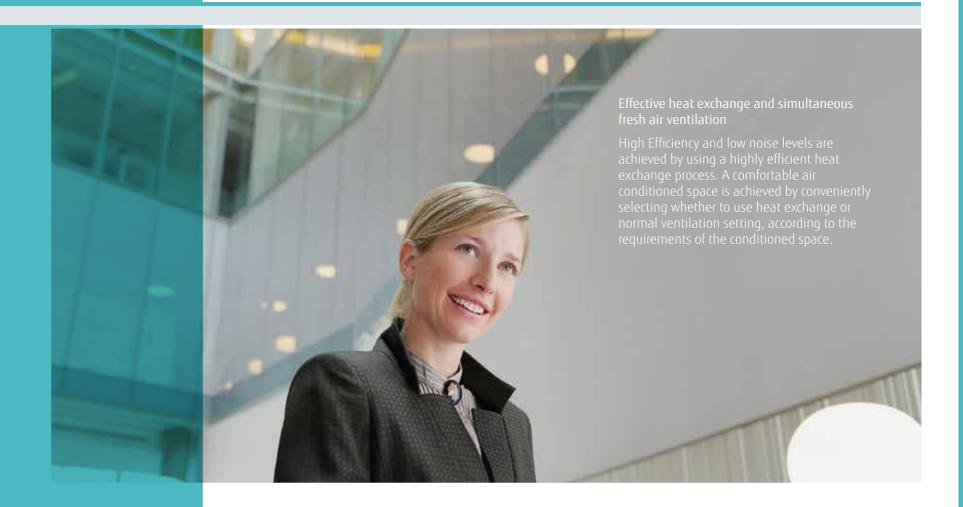
VENTILATION Lineup

068 Energy Recovery Ventilato

070 DX Kit for Air Handling Applicatior

for VRF Outdoor Unit

072 Outdoor Air Unit



Lineup

Lineup									
Airflow rate (m³/h)	250		350		500	800		1	1000
Energy Recovery Ventilator	UTZ-BD02	25C	UTZ-BD035C	UTZ-	BD050C	UTZ-BD080	C C	UTZ-	-BD100C
Connectable capacity class (kW)	5.0 6.	3 8.0	10.0 12	.5 14.0	20.0	25.0	40.	0	50.0
DX Kit for Air Handling Applications for VRF Outdoor Unit	EEV unit UTP-VX30A	Control unit UTY-VDGX	EEV unit UTP-VX60A	Control unit	EEV unit UTP-VX90	Control unit	EEV L UTP-VXS		Control unit
Connectable capacity class (kW)		14.0 kW		22.4	tW	2	28.0 kW		
Outdoor Air Unit	AF	RXH054GTAH		ARXH072	GTAH	AR	(H096GTA	H	



Energy Recovery Ventilator



Energy recovery ventilator unit offers maximum comfort and greater energy savings.

Heat exchange ventilation and normal ventilation

Heat exchange ventilation

When a room is cooled or heated, the exhausted cooling / heating energy is recovered by heat-exchange ventilation.

Normal ventilation

The operation is used during periods when the room space requires no cooling or heating effect, i.e. when there is minimal temperature difference between the indoor and outdoor environments.

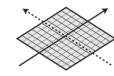
Energy efficiency and ecology

Energy consumption is dramatically reduced by using a counter-flow heat-exchange element. Air conditioning load is reduced by approximately 20%, resulting in significant energy savings. Recovers up to 77% of the heat in the outgoing air.

Adopts a highly efficient counter-flow heat exchange

Features of heat exchange element

With the cross-flow element, air moves in a straight line across the element. With the counter-flow element, air flows through the element for a longer time (longer distance), so the heat-exchange effect improved.



(Cross-flow element)

(Counter-flow element)

Quiet operation

Significantly reducing low pressure loss and noise allows low-noise operation.



Extended range of an external static pressure

An external static pressure is improved by adopting a powerful fan motor. This allows for application in a wide variety building.

Slim shape and easier installation

Counter-flow heat exchange element used for reduced noise and slimmer, more compact body shape.





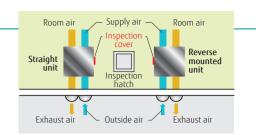




Reverse mountable direct air supply / exhaust system

Adoption of straight air supply / exhaust system: Duct design is simplified because the air supply / exhaust ducts are straight.

Since each unit can be mounted in reverse position, only one inspection hole is needed for two units: Two units can share one inspection hole so duct work is easier and more flexible.



Simple remote operation

Easy operation by connecting a liquid crystal switch

• POWER ON/OFF

• ON/OFF Timer

 Air volume High/Low Clean filter display

UTZ-BD025C

- Heat exchange/Normal Ventilation

Model: UTZ-BD025C / UTZ-BD035C / UTZ-BD050C / UTZ-BD080C / UTZ-BD100C





UTZ-BD0350



UTZ-BD0500





UTZ-BD080C

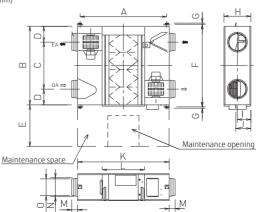
UTZ-BD100C

Specifications

Rated				250 m³/h	350 m³/h	500 m³/h	800 m³/h	1000 m³/h
Model	No.			UTZ-BD025C	UTZ-BD035C	UTZ-BD050C	UTZ-BD080C	UTZ-BD100C
Power	source					220 - 240 V, 50Hz		
	Input power	(Extra high)/High/Low	W	128 / 123 / 96	190 / 185 / 168	289 / 225 / 185	418 / 378 / 295	464 / 432 / 311
-	Air flow rate	(Extra high)/High/Low	m³/h	250 / 250 / 190	350 / 350 / 240	500 / 500 / 440	800 / 800 / 630	1,000 / 1,000 / 700
ge _	External static pressure	(Extra high)/High/Low	Pa	105 / 95 / 45	140 / 60 / 45	120 / 60 / 35	140 / 110 / 55	105 / 80 / 75
xchar	Temperature Exchange Efficiency	(Extra high)/High/Low	%	75 / 75 / 77	75 / 75 / 78	75 / 75 / 76	75 / 75 / 76	75 / 75 / 79
eat E Venti	Energy Exchange Efficiency Cooling	(Extra high)/High/Low	%	63 / 63 / 65	66 / 66 / 71	62 / 62 / 64	65 / 65 / 68	65 / 65 / 70
Ť	Energy Exchange Efficiency Heat pump	(Extra high)/High/Low	%	70 / 70 / 72	69 / 69 / 73	67 / 67 / 69	71 / 71 / 74	71 / 71 / 76
	Sound pressure level	(Extra high)/High/Low	dB*	31.5 / 30.5 / 26.5	33.0/31.0 / 25.5	37.5 / 35.5 / 32.5	37.5 / 37.0 / 34.5	38.5 / 37.5 / 34.5
_ =	Input power	(Extra high)/High/Low	W	128 / 123 / 96	190 / 185 / 168	289 / 225 / 185	418 / 378 / 295	464 / 432 / 311
ati	Air flow rate	(Extra high)/High/Low	m³/h	250 / 250 / 190	350 / 350 / 240	500 / 500 / 440	800 / 800 / 630	1,000 / 1,000 / 700
je je	External static pressure	(Extra high)/High/Low	Pa	105 / 95 / 45	140 / 60 / 45	120 / 60 / 35	140 / 110 / 55	105 / 80 / 75
- %	Sound pressure level	(Extra high)/High/Low	dB*	31.5 / 30.5 / 26.5	33.0 / 31.0 / 25.5	38.5 / 38.0 / 32.5	37.5 / 37.0 / 34.5	40.5 / 39.5 / 36.5
Dimen	sions	W×D×H	mm	882 × 599 × 270	1,050 × 804 × 317	1,090 × 904 × 317	1,322 × 884 × 388	1,322 × 1,134 × 388
Weight	t		kg	29	49	57	71	83
Outlet	duct diameter		mm	150	150	200	250	250
Operat	ion range		°C	-10 to 40	-10 to 40	-10 to 40	-10 to 40	-10 to 40
Maxim	um humidity		%	85	85	85	85	85
Weight Outlet Operat Maxim	Energy Exchange Efficiency Cooling Energy Exchange Efficiency Heat pump Sound pressure level Input power Air flow rate External static pressure Sound pressure level sions duct diameter ion range	(Extra high)/High/Low (Extra high)/High/Low (Extra high)/High/Low (Extra high)/High/Low (Extra high)/High/Low (Extra high)/High/Low (Extra high)/High/Low	% dB* W m³/h Pa dB* mm kg mm	63 / 63 / 65 70 / 70 / 72 31.5 / 30.5 / 26.5 128 / 123 / 96 250 / 250 / 190 105 / 95 / 45 31.5 / 30.5 / 26.5 882 × 599 × 270 29 150 -10 to 40	66 / 66 / 71 69 / 69 / 73 33.0/31.0 / 25.5 190 / 185 / 168 350 / 350 / 240 140 / 60 / 45 33.0 / 31.0 / 25.5 1,050 × 804 × 317 49 150 -10 to 40	62 / 62 / 64 67 / 67 / 69 37.5 / 35.5 / 32.5 289 / 225 / 185 500 / 500 / 440 120 / 60 / 35 38.5 / 38.0 / 32.5 1,090 × 904 × 317 57 200 -10 to 40	65 / 65 / 68 71 / 71 / 74 37.5 / 37.0 / 34.5 418 / 378 / 295 800 / 800 / 630 140 / 110 / 55 37.5 / 37.0 / 34.5 1,322 × 884 × 388 71 250 -10 to 40	65 / 65 / 70 71 / 71 / 76 38.5 / 37.5 / 34.5 464 / 432 / 311 1,000 / 1,000 / 70 105 / 80 / 75 40.5 / 39.5 / 36.5 1,322 × 1,134 × 38 38 250 -10 to 40

^{*} The noise level must be measured 1.5 m below the center of the unit.

Dimensions



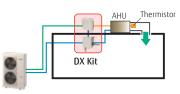
	UTZ-BD025C	UTZ-BD035C	UTZ-BD050C	UTZ-BD080C	UTZ-BD100B
Α	810	978	1,018	1,250	1,250
В	599	804	904	884	1,134
C	315	580	640	428	678
D	142	112	132	228	228
Е	600	600	600	600	600
F	655	860	960	940	1,190
G	19	19	19	19	19
Н	270	317	317	388	388
T	135	159	159	194	194
J	159	182	182	218	218
K	882	1,050	1,090	1,322	1,322
L	414	470	470	612	612
M	95	70	70	85	85
N	Ø164	Ø164	Ø210	Ø258	Ø258
0	Ø144	Ø144	Ø194	Ø242	Ø242



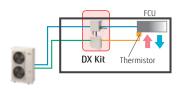


These kits enable other manufacturers air handling units (AHU) and fan coil units (FCU) to be incorporated into a Fujitsu VRF system or, be connected to a dedicated Fujitsu VRF outdoor unit as a 1:1 system to control outside air ventilation (AHU) or room temperature (FCU).

Multiple temperature sensors optimally control the air handling unit and fan coil unit.



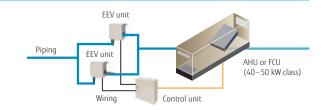
When connecting to an air handling unit, the supply air temperature is controlled by the discharge sensor.



When connecting to a fan coil unit, the room temperature is controlled by the return air temperature sensor.

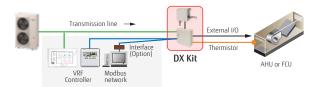
Supports a wide range of capacity classes

- 2 EEV units can be connected in parallel and up to 20 HP (50 kW) large capacity units. (Separation Tube of UTP-LX180A is required.)
- Connectable capacity range: 5 kW to 50 kW

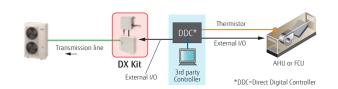


A variety of controls to match the application

Central control using our VRF controllers or central management controllers



Central control from external controllers



Functions Summary

Inputs

- ON/OFF
- Setting temperature
- Capacity demand
- Heating / Cooling operation mode
- Fault information

Outputs

- ON/OFF indication
- Fan ON/OFF indication
- Thermo ON/OFF indication • Defrost indication
- Fault indication

MODBUS® Control

Possible to control via a MODBUS enabled BMS by using optional interface.

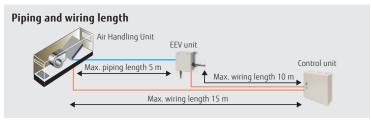
Installation Limitation

- Connectable VRF Series: All VRF Series
- Connectable DX Kit system capacity range: 50 to 100% of the outdoor unit capacity
- Connectable DX Kit system capacity range with indoor units: 30% or less of the outdoor unit capacity
- Max. wiring length from control unit: 10 m
- Max. piping length between EEV unit and indoor unit: 5 m
- Outdoor installation: Control unit (IP54 class) and EEV unit can be installed at an outdoor space.

For 2 EEV units connection (option) Separation Tube: UTP-LX180A







Control unit: UTY-VDGX EEV unit: UTP-VX30A / UTP-VX60A / UTP-VX90A



Coocifications

Specifications	•											
Connectable Capa	icity class		5.0 kW	6.3 kW	8.0 kW	10.0 kW	12.5 kW	14.0 kW	20.0 kW	25.0 kW	40.0 kW	50.0 kW
Conneilus	Cooling	kW	5.6	6.3	8.0	10.0	12.5	14.0	22.4	25.0	40.0	50.4
Capacity	Heating	KVV	6.3	7.1	9.0	11.2	14.0	16.0	25.0	28.0	45.0	56.5

Control unit		UTY-VDGX
Power source	V/Ø/Hz	230/1/50
Dimensions (H × W × D)	mm	400 × 400 × 120

EEV unit		UTP-VX30A	UTP-VX60A UTP	-V×91TP:#X902	UTP-VX90A×2
Connection pipe diameter (Liquid)	mm	Ø9.53	Ø12.70	Ø12.70	Ø12.70
Dimensions (H \times W \times D)	mm		160 × 220 × 90		

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 Voltage: 230 [V].

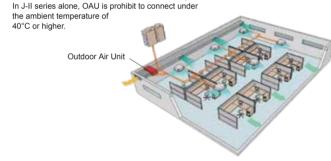


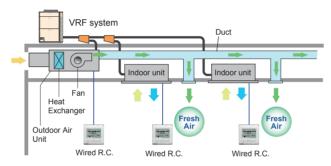


One VRF system can provide air conditioning and air supply at the same time.

Outdoor Air Unit can be connected in a same VRF*1 system as one of indoor unit series and can create fresh and comfortable air supply together from our high advanced technology.

*1. Connectable VRF series:J-IIS, J-II, V-II, VR-II tropical In J-II series alone, OAU is prohibit to connect under the ambient temperature of





* Make sure the connected capacity is within the range of 50% to 100% of the outdoor unit capacity. In addition, if there are mixed connections with indoor units, make the Outdoor Air Unit connection capacity 30% or less of the outdoor unit capacity.

High energy savings and flexible duct design by using DC motor

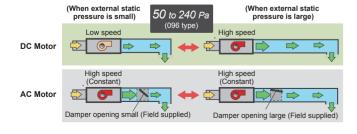
· Greatly reduces electricity consumption by adopting permanent magnet compared to when using an AC motor.





· Compared with AC motor, changing the speed makes it possible to respond flexibly to the external static pressure from 50 Pa to 240 Pa. Even if damper equipment is not used, static pressure can be adjusted and duct design is easy.

• Static pressure can be set easily using wired remote controller.



Various Controller

Supplied variety of controllers as options, such as individual controller, central controller, and building management controller.

Individual Controller



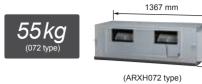
Central Controller



^{*} The temperature setting is discharged air temperature setting.

Top class compact design

• Top class lightweight compact design at just 425 mm in height, 55 kg in weight for ARXH072 type. This unit can be installed easily even at narrow space.



Models: ARXH054GTAH / ARXH072GTAH / ARXH096GTAH







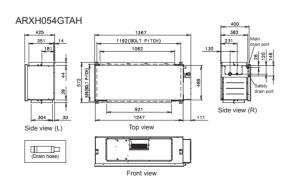
ARXH096GTAH

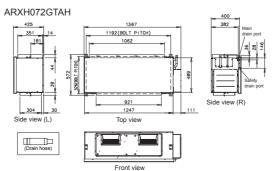
Specifications

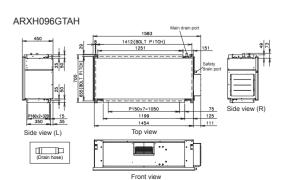
Rated flow rate			1000 m³/h	1500 m³/h	2000 m³/h
Model No.			ARXH054GTAH	ARXH072GTAH	ARXH096GTAH
Power source			230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	14.0	22.4	28.0
	Heating		8.9	13.9	17.4
Input Power	Cooling / Heating	W	179	292	370
Airflow Rate		m³/h	1,080	1,680	2,100
Static Pressure	Standard (range)	Pa	185 (50-185)	200 (50-200)	200 (50-240)
Sound Pressure Level		dB (A)	42	44	47
Dimensions (H x W x D)		mm	425×1,367×572	425×1,367×572	450×1,583×700
Weight		kg	48	55	71
Connection Pipe Diameter (Small / Large) m		mm	Ø9.52/Ø19.05	Ø12.70/Ø22.22	Ø12.70/Ø22.22
Operation Range	Cooling	°CDB	5 to 43	5 to 43	5 to 43
	Heating		-7 to 21	-7 to 21	-7 to 21
Refrigerant			R410A	R410A	R410A

Note: Specifications are based on the following conditions. Cooling: Outdoor temperature of 33°CDB / 28°CWB. Heating: Outdoor temperature of 0°CDB / -2.9°CWB. Pipe length: 7.5 m Voltage: 230 [V].

Dimensions (Unit: mm) Models: ARXH054GTAH / ARXH072GTAH / ARXH096GTAH

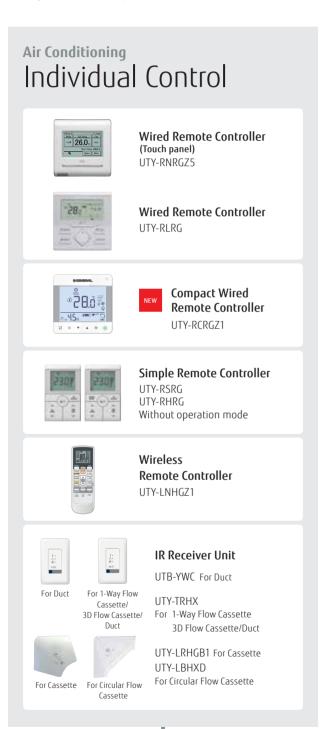


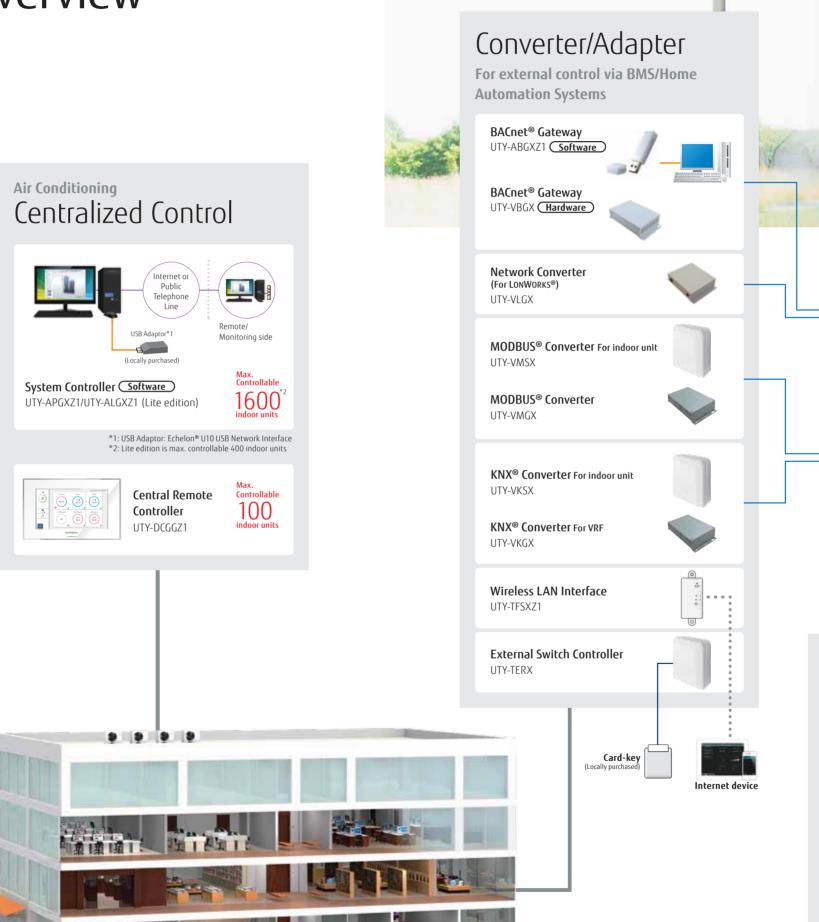


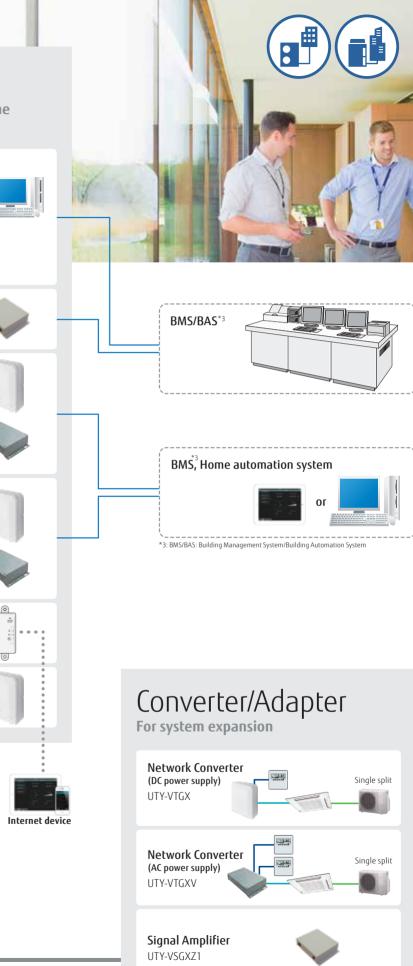


Control System Overview

User's needs are supported by offering a variety of controls, such as individual control, central control and building management control options.







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ISO 14001

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ISO 9001 Certification number: ISO 14001 Certification number 01 100 79269 CNBJ312244-UK

Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.



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REGISTERED OFFICE: Prestige Cosmopolitan,

No.36, 8th Floor, Sardar Patel Road, Guindy, Chennai 600 032.

web: www.general-hvac.com/in/ e-mail: info@fujitsu-general.com CIN - U31100TN2018FTC126102.

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