

FUJITSU

AUSTRALIA'S FAVOURITE AIR™

2007

Air Conditioning Range

Ducted

Cassette

Large Under Ceiling

Multi's



If it can be designed, we can

All over Australia, Fujitsu air conditioning is being installed in some of the most innovative and unusual building applications. That's because our systems offer incredible design flexibility, smoother more efficient control and lower running costs.

So whether you need to air condition a few rooms or a few towers, Fujitsu has the solution. No wonder it's Australia's Favourite Air.

Features



Up/Down Swing Louvre

The up/down louvre automatically swings up and down.



Right/Left Swing Louvre

The right/left louvre automatically swings in either direction.



Double Swing Automatic

Complex swing action of the louvres enables them to swing automatically in both horizontal and vertical directions.



Automatic Louvre

The position of the louvres is set automatically to match the operating mode. It is also possible to adjust the louvres using the remote control.



Auto Shut Louvre

The auto shut louvres close or open automatically when the unit stops or starts.



Automatic Air Flow Adjustment

When auto mode is selected for the fan, the micro-processor adjusts the airflow to follow changes in room temperature.



Auto Restart

Should there be temporary loss of power; the unit will automatically restart itself in the same operating mode, once the power is restored.



Auto-Changeover

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



Sleep Timer

The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night.



Program Timer

This timer allows selection of one of four options.
ON, OFF, ON → OFF, or OFF → ON.



ON-OFF Timer

ON-OFF timer can be set to operate once every 24 hours.



Weekly Timer

Different on-off times can be set for up to 7 days.



Weekly + setback Timer

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



Connectable Distributing Duct

Conditioned air can be distributed to adjacent areas by means of a distribution duct.



Connectable Fresh Air Duct

Allows introduction of fresh air to occupied space.



Fresh air intake

Fresh air can be taken in by a fan which can be connected using UTD-ECS5A* (optional parts).
*Selected ducted units only



Control Port

External inputs and outputs contained within the product allow on/off control, fresh air interlock connection and heater bank element connection. UTD-ECS5A* (optional parts)
* Selected ducted units only.



Cooling



Heating



TESAW

Top Energy Saver Award for the most energy efficient star rated products.
www.energyallstars.gov.au



V-PAM

V-Pam Inverter technology increases the maximum output of the compressor significantly and enables high power and high efficiency.



I-PAM

I-Pam inverter technology enables high output and high efficiency performance.



Soft Starter

Allows economical and quiet compressor start up for conventional models. Inverter control of compressor in Inverter models does not require it to have a soft starter.



Washable Panel

air condition it.



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“With over 100 different brands of air conditioners on the market, how do you know you’re choosing the right one? Well, my advice is to go with a name you can trust, which is why I bought a Fujitsu.

No other company can match their wide range, exceptional economy and superior efficiency. And with their famous 5 year parts and labour warranty, it’s no wonder Fujitsu is Australia’s Favourite Air.”

Mark Taylor



Ducted Air Conditioning

The ultimate in air conditioning

Ducted air conditioning is surely the ultimate in comfort. The Fujitsu ducted models offer quiet, efficient operation, are easy to maintain, and operated via a wall mounted LCD control that controls all functions of the system.

Invisible comfort

Whatever shape of the room, ducted units create uniform temperatures throughout. The unit is totally concealed, usually within a ceiling void. Cool or warm air is then ducted into each room through outlets positioned in the walls, floor or ceiling. Easily controlled, Fujitsu's ducted systems provide comfort throughout your house without leaving cool or hot spots.

The ducted air conditioning system

- Perfect comfort throughout each room
- Visually appealing
- Concealed installation
- Reverse cycle heating and cooling
- Quiet operation
- Easy-to-use LCD controller



Inverter Ducted Technology

As a world leader in energy efficient air conditioning systems, Fujitsu is committed to delivering highly engineered inverter ducted systems. The new inverter ducted units feature an advanced scroll compressor (AOT45/54L models only) to deliver optimum power without compromising on efficiency. Equipped with sophisticated inverter technology, the Fujitsu inverter ducted systems are more economical to operate and quieter to run than conventional units. The inverter component allows the outdoor unit to vary its speed and output to match the required capacity of the indoor unit, making it up to 30% cheaper to run than a conventional ducted system.

Fujitsu's inverter ducted air conditioning systems have been designed for easy installation in the ceiling and roof space.

What's an inverter?



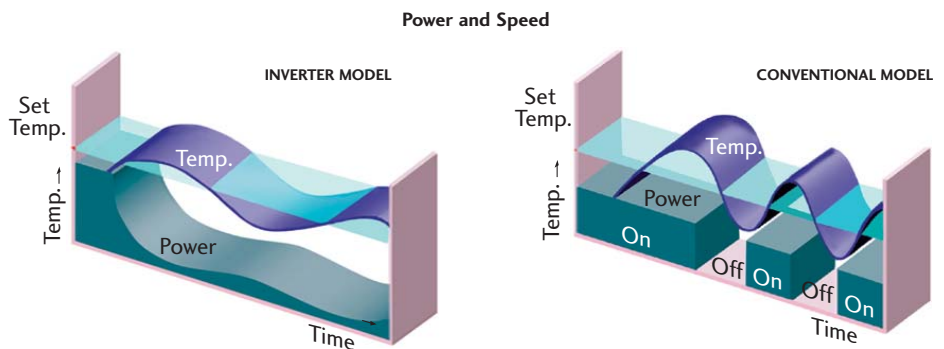
Through new, advanced technology, Inverter air conditioners are more economical to operate and quieter to run than conventional units. They can handle greater extremes in temperature, are smoother and more stable in operation and reach the desired temperature more quickly than conventional air conditioners.

Highly efficient R410A refrigerant

The R410A refrigerant, which is used in Fujitsu's Inverter ducted systems, has zero ozone depletion potential as it contains no chlorine. R410A also provides excellent stability and low toxicity, as well as offering superior energy saving.

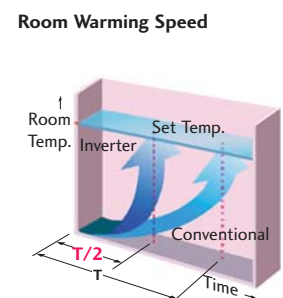
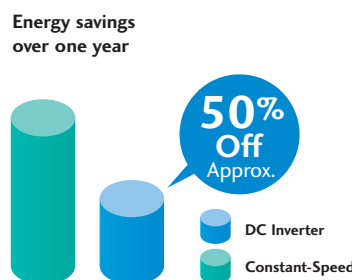
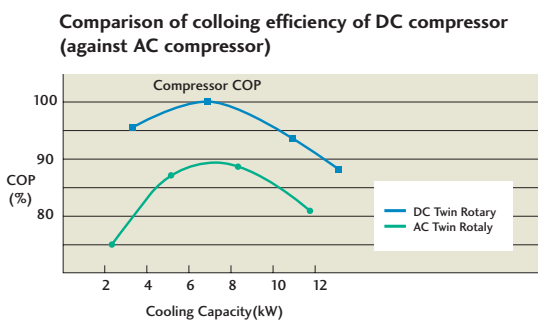
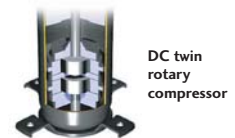
Inverter control

The Inverter component allows the outdoor unit to vary its speed and output to match the required capacity of the indoor unit. Thus, the Inverter model can achieve 30% more operating efficiency than conventional models and therefore, is much cheaper to run.



DC twin rotary compressor*

The highly efficient DC Inverter twin rotary compressor can reach the room temperature you set up to 15% quicker than conventional models and precisely maintain temperature. The DC Inverter twin rotary compressor makes operation at high power & high efficiency a reality. *(AOT30/36 models only)

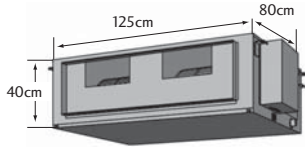


Compact high static ducted features

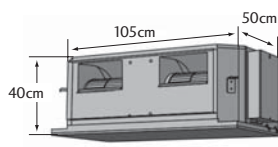
(LUAK/UUAK)

Easy installation (compact size & light weight).

Size & weight have been reduced making installation considerably easier.



CURRENT MODEL: 75kg



NEW MODEL: 50kg



Wired remote controller with cover

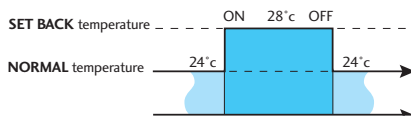
Commercial mode

By enabling the indoor unit's internal controls, you can achieve a continual fan operation in the heating mode, as required for commercial installations.

Operation sound (low noise)

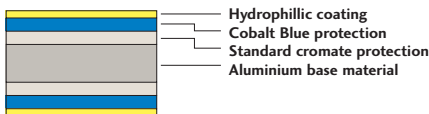
The new ducted models have increased airflow volume & decreased noise levels to 49dBA by adopting a plastic case, plastic fan and three airflow volume switch positions.

Temperature set back timer



Use this timer function to change the set temperature in the operation times set for each day of the week. This can be used together with other timer settings.

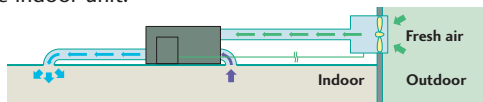
Cobalt blue heat exchanger



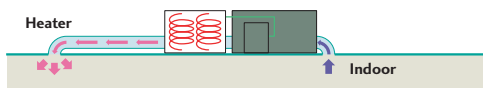
The outdoor unit fins are coated with a blue corrosion resistant material to enhance durability and extend performance life of your air conditioner.

Advanced features (UTD-ECSSA Required)

1. Fresh air output port. External fresh air fans can be connected to run in conjunction with the fan motor of the indoor unit.



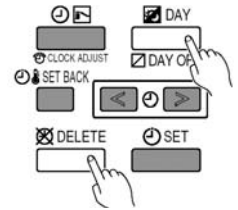
2. Electrical heater output port. An External Electrical heater can be set to operate in conjunction with the heating cycle.



3. External input port. Start/stop of the air conditioner can be controlled from external equipment.

Child lock function

Simply pressing a combination of buttons on the standard wired remote controller, locks and unlocks the keypad, stopping accidental and unauthorised use.



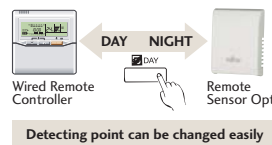
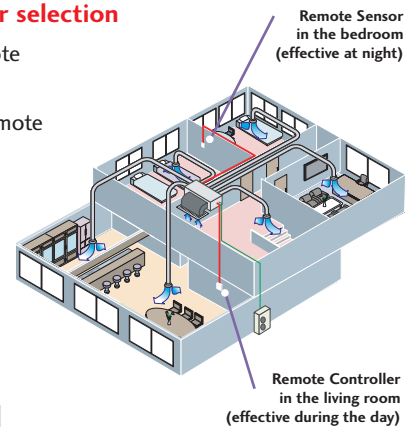
Simplified wired remote controller (optional)

This controller can be used as an optional slave controller for dual comfort. It offers easier operation and backlit display.



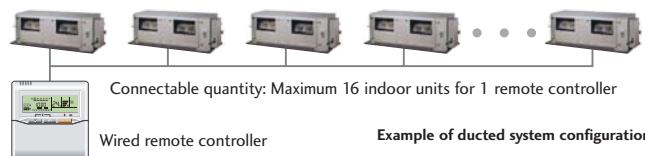
Room temperature sensor selection

- Remote controller has remote sensor included.
- User can select between remote controller sensor and/or return air sensor or remote sensor.



Group control

One remote controller can control up to 16 air conditioners. All of the air conditioners will be operated with the same settings.



Dual remote controllers (optional)

An additional controller can be added up to the maximum of two remote controllers. Either remote controller can control the air conditioner. However, the timer functions cannot be used at the slave unit.

INVERTER

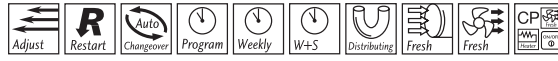
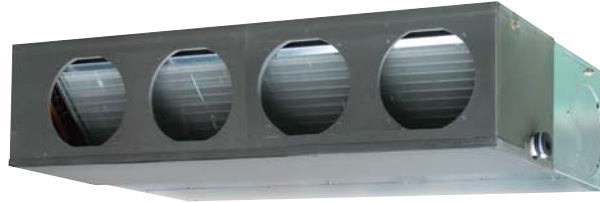
Ducted

ARY36L*



- C** 10.00kW / 34,100BTU/h
- H** 11.20kW / 38,250BTU/h

* Project order only.
Minimum Delivery time 16 weeks



Wired type
(with weekly/
setback timer)



For ARY36L

ART30L

- C** 8.80kW / 30,000BTU/h
- H** 9.20kW / 31,400BTU/h

ART36L

- C** 10.00kW / 34,100BTU/h
- H** 10.00kW / 34,100BTU/h

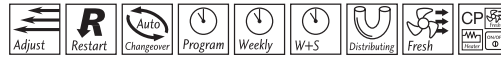


ART45L

- C** 12.50kW / 42,700BTU/h
- H** 14.00kW / 47,800BTU/h

ART54L

- C** 14.50kW / 49,500BTU/h
- H** 16.00kW / 54,600BTU/h



Wired type
(with weekly/
setback timer)



For ART30L/36L

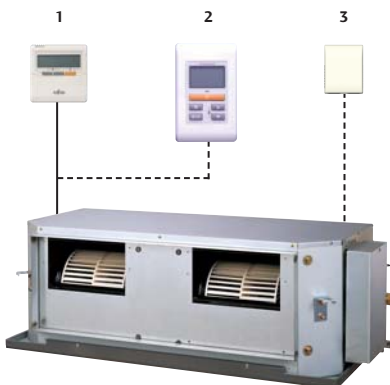


For ART45L/54L

Control Features

Various remote controllers and sensors can be selected.

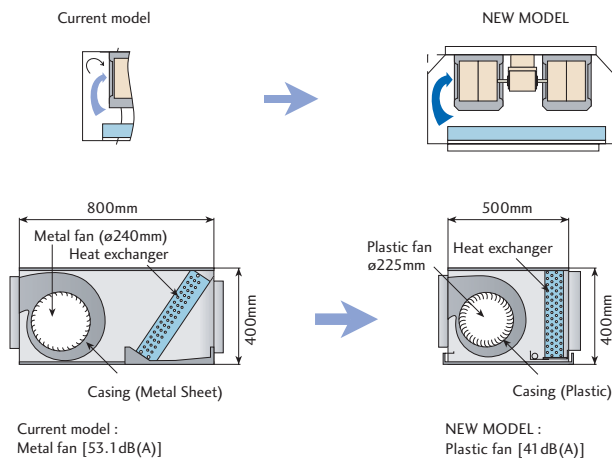
1. Wired Remote Controller with Thermo Sensor
 - Room temperature sensor selection
 - WEEKLY timer
 - Temperature SET BACK timer
 - Group control system
 - Child lock
 - Dual remote controllers (optional parts)
 - AUTO restart
 - Energy saving
 - Auto changeover (for heating)
 - Hot start (for heating)
2. Simple Remote Controller (optional parts)
3. Remote Sensor (optional parts)



Operation sound (Low noise)

Turbulent air flow is reduced by cutting off the corners of the conventional indoor unit front panel and fan case. Uniform internal air pressure decreases the noise level down to 41dB(A) (ART45L) and 42dB(A) (ART54L).

- Large air flow volume of 972 Litres/second (ART45/54L) is achieved by adopting a larger fan. (Figures given at 100Pa).
- Low noise is achieved by use of a plastic case, plastic fan and 3-step airflow volume switch.
- Sirocco fan for airflow and indoor unit fan casing are also made from plastic.



* Model : Material (At 100Pa : Actual noise measurement value)

INVERTER Cassette



Wired type
(with weekly/setback timer)



For AUT30L/36L



For AUT45L/54L



AUT30L

- C** 8.5kW / 29,000BTU/h
- H** 10.0kW / 34,100BTU/h

AUT36L

- C** 10.0kW / 34,100BTU/h
- H** 11.2kW / 38,200BTU/h

AUT45L

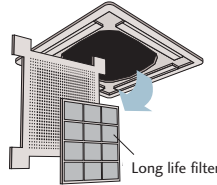
- C** 12.5kW / 42,700BTU/h
- H** 14.0kW / 47,800BTU/h

AUT54L

- C** 14.0kW / 47,800BTU/h
- H** 16.0kW / 54,600BTU/h

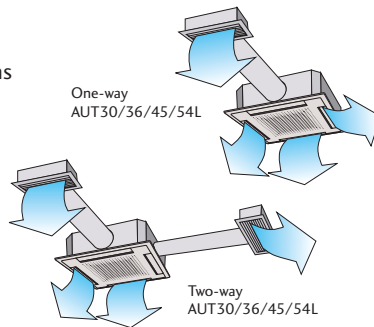
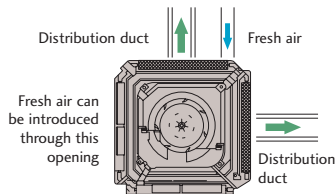
Easy maintenance (AUT30/36/45/54L)

The control box is easily accessible for maintenance work. Wide opening for easy access. Detachable, washable filter and intake grille. Wide opening and long-life filter. High efficiency, long-life filter extends the cleaning cycle.



Duct connection hole opening

Conditioned air can be distributed by means of a distribution duct.



Control Features (AUT30/36/45/54L)

Various remote controllers and sensors can be selected.

Wired Remote Controller with Thermo Sensor

- Room temperature sensor selection
- Temperature SET BACK timer
- Group control system
- Child lock
- Dual remote controllers (optional)
- Hot start (for heating)

Condensate pump



INVERTER Large Under Ceiling



For ABT30/36L



For ABT45L



ABT30L*

- C** TBA
- H** TBA

* Due late 2007. Check with your Fujitsu dealer for availability.

Ultra thin and wide air flow design for elegance and comfort.

Improved installation/maintenance

Check joint standard equipment

Service port is provided at the high pressure side of the refrigerant circuit. The operation of the air conditioning refrigeration system can be checked by connecting a pressure gauge, etc. and installation and maintenance work is improved.

Improved handling during installation

The new outdoor unit is equipped with handles at the front and back at about the same height as the left and right so that the unit can be easily carried during installation, etc.



Low noise realised

The outdoor unit's fan shape (large metal plate integrated bell mouth) reduces the air flow resistance and lowers noise levels (external fan guard) so units are less obtrusive to neighbours.

INVERTER

Multi System

The New Fujitsu Inverter Multi System is ideal where an individual indoor unit is required in each room, i.e., a living room and 3 bedrooms. The Multi Systems allows one outdoor unit to be connected up to a wide variety of 3 or 4 indoor units including Wall Mounted, Floor/Ceiling Console, Cassette and Ducted.



AUT12/14/18LB

Cassette Compact Type



Wired type



ART9L Duct Type (small)



Wired type



ART12/14/18/22L Duct Type



ABT14/18/24LB

Universal Type



AST7/9/12LM

Wall Mounted Type



AST18/24LB

Wall Mounted Type



AOT24LMAM2



C 5.8kW / 19,800BTU/h

H 6.4kW / 21,900BTU/h

AOT30LMAW4



C 8.00kW / 27,300BTU/h

H 9.60kW / 32,800BTU/h



Up/Down	Double	Auto flaps	Auto Shut flaps	Adjust	Restart	Sleep	Program	W+S	Distributing	Fresh	Fresh	Ion	AF	Wash
●			●	●	●	●	●		●	●				●
●		●	●	●	●	●	●	●			●			
●	○		●	●	●	●	●					●	●	●

AUT12L/14L/18L
ART9L/12L/14L/18L/22L
ABT14L/18L/24L
AST7L/9L/12L/18L/24L

○ For AST18/24L only

AOT24LM2 1 outdoor unit to 2 indoor units
 The total capacity of the indoor units that can be connected is 4.4 - 8.7kW (15,000 - 30,000BTU)

AOT30LM4 1 outdoor unit to 3-4 indoor units
 The total capacity of the indoor units that can be connected is 7.9 - 14.3kW (27,000 - 49,000BTU)

	Wall Mounted type (Small Size)	Wall Mounted type (Large Size)	Cassette type (Compact)	Floor/Ceiling Universal type	Duct type (Small size)	Duct type
2.3kW (7,900BTU)						
2.7kW (9,200BTU)						
3.5kW (11,900BTU)						
4.2kW (14,300BTU)						
5.2kW (17,800BTU)						
6.3kW (21,500BTU)						
6.8kW (23,200BTU)						

AOT30LM4

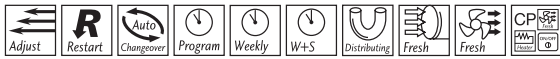
AOT24LM2

Refer to dealer for selection chart.

CONVENTIONAL

Ducted

Year round comfort. A Fujitsu ducted system provides air conditioned comfort to new and existing homes. This means you can enjoy climate controlled comfort all year round, all round the house.



Wired type (with weekly/setback timer)



For ART25U



For ART30U



For ARY45U

ART25U

- C** 7.10kW / 24,100BTU/h
- H** 7.70kW / 26,300BTU/h

ART30U

- C** 8.50kW / 29,400BTU/h
- H** 9.50kW / 32,400BTU/h

ARY45U

- C** 12.70kW / 43,400BTU/h
- H** 14.30kW / 48,800BTU/h

Concealed ducted air conditioning system

- Perfect comfort throughout each room.
- Visually appealing
- Concealed installation
- Reverse cycle heating & cooling
- Quiet operation
- Easy-to-use LCD remote controller
- Remote sensor (ART25/30/ARY45)

Other features

- Air intake position is selectable. (Rear or Bottom)
- Air outlet shape is selectable at the time of purchase. (Round or Square)
- Drain pipe position is selectable. (Right or Left)
- Fresh air can be taken in.

Optional function for comfort and optional parts

(ART25/30/ARY45)



Simple remote controllers (UTB-TPB)

Receiver unit & Wireless Remote Controller



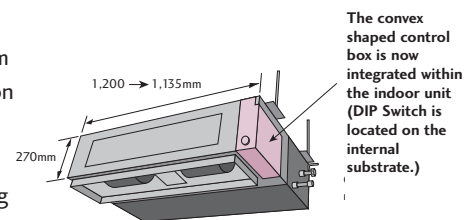
Remote sensor unit (UTD-RS100)

Optional parts

Remote sensor unit	UTD-RS100
Simple remote controller	UTB-TPB
Flange (square)	UTD-SF045T
Flange (round)	UTD-RF204

Slim & compact design

Return air connection can be on the bottom or rear of the indoor unit (Bottom connection illustrated). Also, in addition to the already slim height of the indoor unit at 270mm, further size reduction is attained by reducing 65mm from the width with the flanking control box imbedded inside the chassis.

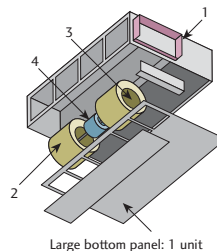


One-touch operating and easy-to-install long-life filter (Optional Parts) – European model only.

Easy maintenance

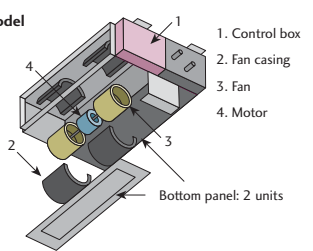
In the case of rear return air connection as illustrated below, structural improvement is attained by making the bottom panel two pieces, front and rear. The internal fan casing is also made dismountable in two pieces, namely, upper and lower sections. Motor and fan maintenance and dismounting can be easily performed by removing the rear panel and lower part of the casing with the main chassis installed.

Conventional model



Large bottom panel: 1 unit

New model

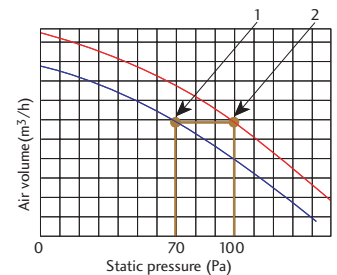


Bottom panel: 2 units

Low static pressure mode function (ART25/30 ARY45)

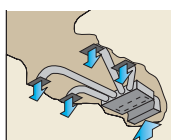
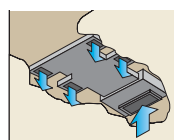
1. Low static pressure mode 1 air volume at 70Pa (fan speed: high)
2. Normal Mode Air volume at 100Pa (fan speed:high)

When installed, normal middle static pressure mode and low static pressure mode can be selected by switching over using the DIP switch on the board in the control box. Therefore, these models can be operated under a wide range of conditions.

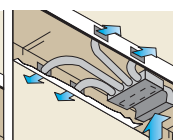
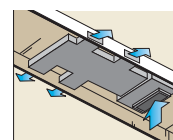


Installation styles

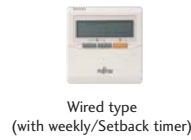
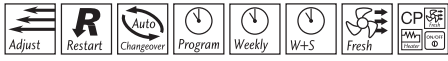
(ART25/30/ARY45)



Embedded in ceiling



Hanging in ceiling



ART36U

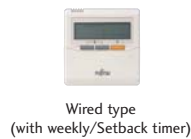
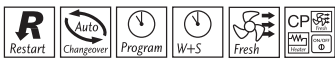
- C** 10.5kW / 36,000BTU/h
- H** 12.0kW / 40,980BTU/h

ART45U

- C** 12.7kW / 43,500BTU/h
- H** 14.3kW / 48,800BTU/h

ART60U

- C** 16.50kW / 56,300BTU/h
- H** 19.70kW / 67,200BTU/h



ART90T

- C** 26.40kW / 87,000BTU/h
- H** 29.50kW / 100,000BTU/h

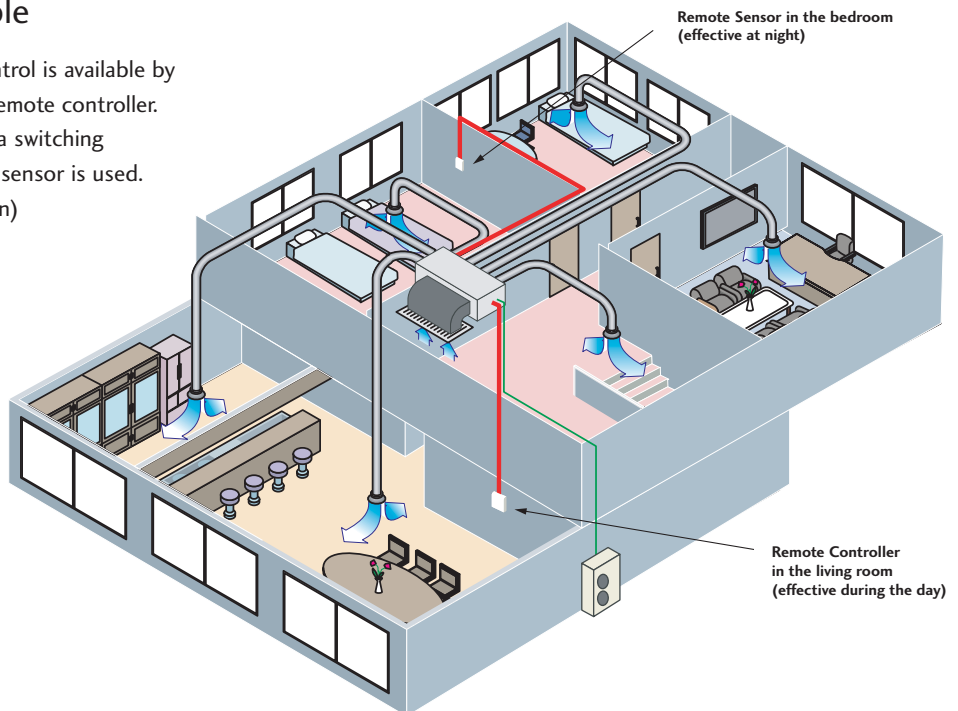


Accurate and Comfortable

- Comfortable room temperature control is available by utilising the thermo sensor in the remote controller.
- Because the remote controller has a switching function, the user can select which sensor is used. (Room temperature sensor selection)



Example of room temperature sensor selection



Wired Remote Controller

The detecting point can be freely changed.

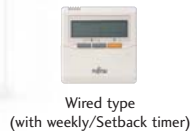
Remote Sensor (Optional Parts)

CONVENTIONAL

Cassette



Efficient, simple, discreet. Incorporating the latest fan technology, these units fit neatly into the ceiling and distribute conditioned air through 2, 3 or 4 sides of the unit. In addition, louvres allow air to be directed in either a pre-set or sweep pattern.



AUT36U

- C** 10.50kW / 35,800BTU/h
- H** 12.00kW / 40,900BTU/h



For AUT36U/45U

AUT45U

- C** 12.70kW / 43,400BTU/h
- H** 14.30kW / 48,800BTU/h



For AUT54U

AUT54U

- C** 14.50kW / 49,500BTU/h
- H** 16.50kW / 56,300BTU/h

Weekly timer

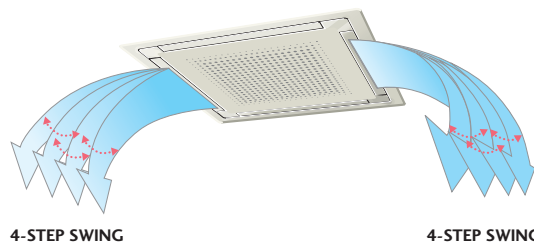
The sophisticated weekly timer and remote controller not only makes it easy to adjust air conditioning units, but can also help achieve considerable savings. It allows the air conditioning system to be programmed in advance to operate only as and when required.

The function of weekly timer

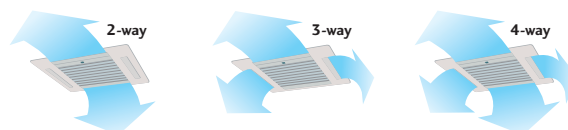
- Set different on/off times for each day of the week.
- Set two different on/off times for each day.
- Set time by 5 minute intervals.
- The timer operation of a reserved day can temporarily be cancelled by pushing the "DAY OFF" button.
- If day function is used, weekly timer will resume next day.
- System can be manually over-riden.

Swing louvres

The airflow direction, up or down is set automatically to match the operating mode, i.e. down for heating, up for cooling.

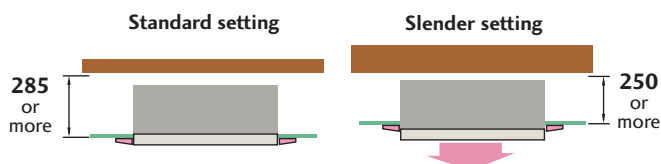


4-Way air flow system



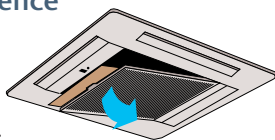
Slender fit (2-way setting)

This new mechanism enables the cassette body to move 35mm downward and allows installation into a 250mm space. No special work or options are needed.



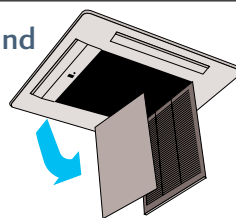
Simple maintenance

Control switches are installed in the grille for easy maintenance.



Detachable and washable air intake grille

Wide opening.

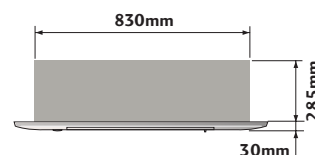
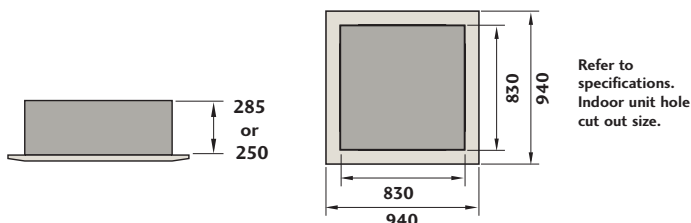


Elegant design

This ultra-thin air conditioner can be installed in any narrow ceiling. The fascia's elegant design leaves the air conditioner flush with the ceiling.

Slim size

The small and compact body allows space saving installation.



CONVENTIONAL

Large Under Ceiling



Quiet & Elegant. This lightweight, slim air conditioner fits directly under the ceiling. It is extremely quiet, yet extremely powerful. Because of their design, ceiling suspended units can be installed quickly, simply and with minimum disruption.

ABT36U

C 10.50kW / 35,800BTU/h

H 12.00kW / 40,900BTU/h

ABT45U

C 12.70kW / 43,400BTU/h

H 14.30kW / 48,800BTU/h

ABT54U

C 14.50kW / 49,500BTU/h

H 16.50kW / 56,300BTU/h



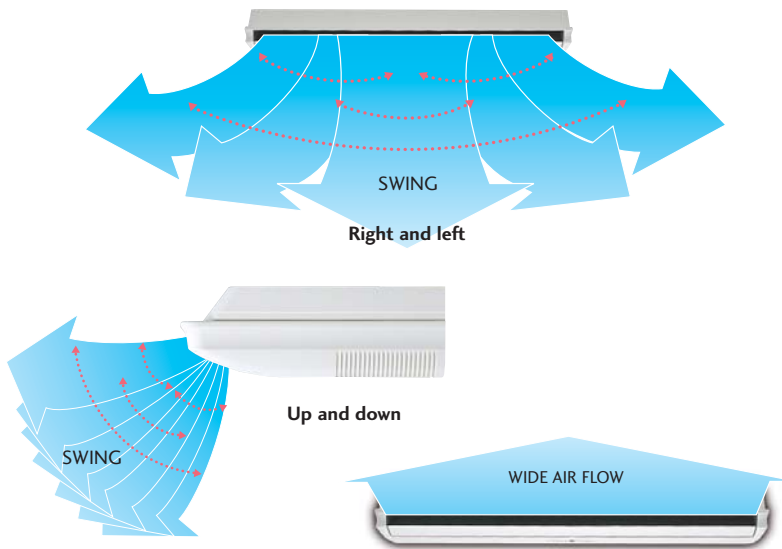
For ABT36U



For ABT45U/54U

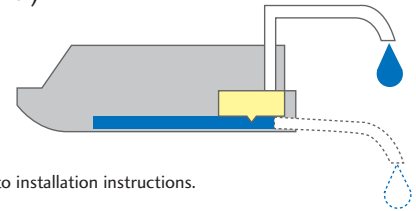
Double auto swing

Control over air direction swing is possible through dual use of both an up/down air direction swing and right/left air direction swing. Since up/down air direction louvres operate automatically according to the operating mode of the unit, it is possible to set air direction based on the operation mode.



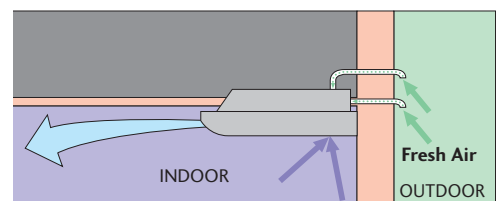
Condensate water pump

The optional condensate water pump offers more flexible installation by lifting the drain and discharge point by 400mm.* (optional)



*Refer to installation instructions.

Fresh-air intake



Features of new outdoor unit

(ABT36/45/54)

Low noise realised

The outdoor unit's fan shape (large metal plate integrated bell mouth) reduces the air flow resistance and lowers noise levels (external fan guard) so units are less obtrusive with neighbours.

Improved installation/maintenance

Check joint standard equipment

Service port is provided at the high pressure side of the refrigerant circuit. The operation of the air conditioning refrigeration system can be checked by connecting a pressure gauge, etc. and installation and maintenance work is improved.

Improved handling during installation

The new outdoor unit is equipped with handles at the front and back at about the same height as the left and right so that the unit can be easily carried.



If it can be designed, we can air

AIRSTAGE™ J SERIES

The Fujitsu Airstage VRF J Series is a breakthrough in compact VRF systems.

Ideal for larger domestic or smaller commercial applications, this system offers many of the features found in Fujitsu's renowned high-end VRF systems, including quiet, efficient operation and Inverter Technology.

Our J series can also support up to 8 indoor units for every outdoor unit, including ducted and ultra-thin ducted, cassette and slim-cassette, and wall mounted split systems.

So talk to one of Fujitsu's qualified Sales Engineers about your next project. No matter what the building, we've got the solution.



AIRSTAGE™ V SERIES

When it comes to air conditioning large buildings, Fujitsu General has the solution. The new generation Airstage V-Series. This high performance multi air conditioning VRF solution is designed to service a variety of commercial applications and offers many improvements on earlier systems.

To make installation easier, the Airstage V-Series will allow pipe runs up to 150m between indoor and outdoor units and pipes of up to 60m long to be connected between the first separation tube and the furthest indoor unit.

Improvements to the compressor operation and the introduction of a primary inverter compressor mean the V-Series is better equipped to maintain a constant and comfortable indoor environment. New compressor rotation also equalizes the load on each compressor to make the system more durable and reliable. A three-way oil control system further optimises compressor efficiency.

For improved comfort, high precision control technology allows the Airstage V-Series to maintain the set room temperature to within 0.5 degrees Celsius.

The system offers design freedom by allowing three outdoor units to be connected together in series, and up to 48 indoor units to be run on one refrigerant piping system.

With a wide choice of indoor unit types, the Airstage V-Series can be installed in both new and existing buildings.

condition it.



FUJITSU

COMMERCIAL
AIR CONDITIONING

AUSTRALIA'S FAVOURITE AIR™

INVERTER

DUCTED

Type			INVERTER					
Model No.	Indoor Unit	Outdoor Unit	ART30LUAK	ART36LUAK	ART45LUAK	ART54LUAK	ARY36LUAN	
Reverse Cycle System	Yes		Yes	Yes	Yes	Yes	Yes	
Optional Simple Wired RC	UTB-TPB		UTB-TPB	UTB-TPB	UTB-TPB	UTB-TPB	UTB-TPB	
Optional Remote Sensor	UTD-RS100		UTD-RS100	UTD-RS100	UTD-RS100	UTD-RS100	UTD-RS100	
Cooling Capacity	Watts		8800	10000	12500	14500	10000	
	BTU/h		30000	34100	42700	49500	34100	
Range	Watts		2700-9800	2700-10500	3600-14000	6400-15300	Max 11200	
	BTU/h		9200-33500	9200-36000	12500-47800	21900-52200	Max 38200	
Heating Capacity	Watts		9200	10000	14000	16000	11200	
	BTU/h		31400	34100	47800	54600	38250	
Range	Watts		3000-11000	3000-12100	4700-18000	6800-20000	Max 12770	
	BTU/h		10200-37600	10200-41300	47800-61500	23200-68300	Max 43600	
Power Supply	Volts		240	240	240	240	240	
Phase-Frequency	Ph- Hz		1-50	1-50	1-50	1-50	1-50	
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Running Current	Cooling	Amps	13.8 (4.6-17.3)	16.7 (4.6-17.6)	18.1 (7.1-21.7)	23.5 (7.1-25.3)	17.9 (Max 18.4)	
	Heating	Amps	10.7 (4.3-17.3)	11.7 (4.3-17.6)	16.0 (6.3-20.1)	19.8 (6.3-25.3)	13.9 (Max 18.4)	
Input	Cooling	Watts	3300 (1080-4150)	4000 (1080-4200)	4300 (1700-5200)	5570 (1700-6060)	4080 (Max 4200)	
	Heating	Watts	2550 (1000-4150)	2800 (1000-4200)	3800 (1500-4800)	4700 (1500-6060)	3180 (Max 4150)	
Moisture Removal	l/hr		3	3	3	4	3	
E.E.R.	Cooling		2.67	2.5	2.91	2.6	2.45	
C.O.P.	Heating		3.61	3.57	3.68	3.40	3.52	
Star Rating	Cooling		★★★★	★★★★	★★★★★	★★★★	-	
	Heating		★★★★★	★★★★★	★★★★★	★★★★★	-	
Fan Speeds			3	3	3	3	3	
Ex Static Pressure Range	Pa		100 to 200	100 to 200	100 to 250	100 to 250	30 to 150	
Air Circulation	High	l/s	694@100Pa	694@100Pa	972@100Pa	972@100Pa	486	
Compressor Type			DC Twin Rotary	DC Twin Rotary	DC Scroll	DC Scroll	DC Twin Rotary	
Dimensions and Weights	I.U.	Height	mm	400	400	400	400	270
		Width	mm	1050	1050	1050	1050	1135
		Depth	mm	500	500	500	500	700
		Net Weight	kg	45	45	50	50	43
	O.U.	Height	mm	900	900	1290	1290	830
		Width	mm	900	900	900	900	900
		Depth	mm	350	350	330	330	330
		Net Weight	kg	70	70	105	105	64
Duct Work Plenum Size	Supply	mm	850 x 295	850 x 295	850 x 295	850 x 295	1065 x 202	
	Return	mm	865 x 325	865 x 325	865 x 325	865 x 325	1015 x 240	
Optional Supply Spigots	Square	Qty 1	-	-	-	-	UTD-SFO45T	
	Round	Qty 4	-	-	-	-	UTD-RF204	
I.U. Sound Pressure Level	dBA@ 1mtr		45	45	49	49	43	
O.U. Sound Pressure Level	dBA@ 1mtr		53	53	54	54	54	
O.U. Sound Power Level	dBA		65	65	65	69	66	
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	
Connection Pipe Sizes	Gas	mm	15.88	15.88	15.88	15.88	15.88	
	Liquid	mm	9.52	9.52	9.52	9.52	9.52	
Refrigerant Pre Charged Length	Metre		10	10	20	20	15	
Minimum Pipe Length	Metre		5	5	5	5	5	
Maximum Pipe Length	Metre		30	30	70	70	50	
Maximum Pipe Height	Metre		20	20	30	30	30	
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare	
Outdoor Operating Temp.	Cooling	Degrees C	0 to 43	0 to 43	-15 to 43	-15 to 43	-10 to 43	
	Heating	Degrees C	-10 to 21	-10 to 21	-15 to 24	-15 to 24	-10 to 24	

INVERTER

MULTI SYSTEM INVERTER

Type			WALL MOUNTED					FLOOR/CEILING			
Model No.	Indoor Unit	Outdoor Unit	AST7LMACW	AST9LMACW	AST12LMACW	AST18LBAJ	AST24LBAJ	ABT14LBAJ	ABT18LBAJ	ABT24LBAJ	
Reverse Cycle System	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Cooling Capacity	Watts		2300	2700	3500	5200	6800	4200	5200	6800	
	BTU/h		7900	9200	11900	17800	23200	14300	17800	23200	
Maximum	Watts		2700	3400	3700	6000	7400	5000	6000	7400	
	BTU/h		9200	11600	12600	20500	25300	17200	20500	25300	
Heating Capacity	Watts		2700	3300	3800	6000	8200	4800	6000	8200	
	BTU/h		9200	11300	13000	20500	28000	16400	20500	28000	
Maximum	Watts		3300	3700	4500	7100	9000	5700	7100	9000	
Maximum	BTU/h		11300	12600	15400	24200	30700	19500	24200	30700	
Power Supply	Volts		240	240	240	240	240	240	240	240	
Phase-Frequency	Ph- Hz		1-50	1-50	1-50	1-50	1-50	1-50	1-50	1-50	
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Plug Size (If Applicable)			-	-	-	-	-	-	-	-	
Running Current	Cooling	Amps	-	-	-	-	-	-	-	-	
	Range	Amps	-	-	-	-	-	-	-	-	
	Heating	Amps	-	-	-	-	-	-	-	-	
	Range	Amps	-	-	-	-	-	-	-	-	
Input	Cooling	Watts	-	-	-	-	-	-	-	-	
	Range	Watts	-	-	-	-	-	-	-	-	
	Heating	Watts	-	-	-	-	-	-	-	-	
	Range	Watts	-	-	-	-	-	-	-	-	
Moisture Removal	l/hr		1	1.2	1.6	3	3	1.5	1.7	2.5	
E.E.R.	Cooling		-	-	-	-	-	-	-	-	
C.O.P.	Heating		-	-	-	-	-	-	-	-	
Star Rating	Cooling		-	-	-	-	-	-	-	-	
	Heating		-	-	-	-	-	-	-	-	
Fan Speeds			4	4	4	4	4	3	3	3	
Air Circulation	High	l/s	119	130	144	263	283	177	216	244	
Compressor Type			-	-	-	-	-	-	-	-	
Dimensions and Weights	I.U.	Height	mm	257	257	257	320	320	199	199	199
		Width	mm	808	808	808	1120	1120	990	990	990
		Depth	mm	187	187	187	220	220	655	655	655
		Net Weight	kg	8	8	8	16	16	28	28	28
	O.U.	Height	mm	-	-	-	-	-	-	-	-
		Width	mm	-	-	-	-	-	-	-	-
		Depth	mm	-	-	-	-	-	-	-	-
		Net Weight	kg	-	-	-	-	-	-	-	-
I.U. Sound Pressure Level	dBA@ 1mtr		34	36	38	43	47	36	43	48	
O.U. Sound Pressure Level	dBA@ 1mtr		-	-	-	-	-	-	-	-	
O.U. Sound Power Level	dBA		-	-	-	-	-	-	-	-	
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Connection Pipe Sizes	Gas	mm	9.52	9.52	9.52	12.7	15.88	12.7	12.7	15.88	
	Liquid	mm	6.35	6.35	6.35	6.35	9.52	6.35	6.35	9.52	
Pre Charged Length	Metre		-	-	-	-	-	-	-	-	
Minimum Pipe Length (per unit)	Metre		-	-	-	-	-	-	-	-	
Maximum Pipe Length (per unit)	Metre		-	-	-	-	-	-	-	-	
Maximum Pipe Length	Metre		25	25	25	25	25	25	25	25	
Maximum Pipe Height	Metre		10	10	10	10	10	10	10	10	
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	
Outdoor Operating Temp.	Cooling	Degrees C	-	-	-	-	-	-	-	-	
	Heating	Degrees C	-	-	-	-	-	-	-	-	



CONVENTIONAL

DUCTED

Type			CONVENTIONAL							
Model No.	Indoor Unit	Outdoor Unit	ART25UUAN AOT25UNAKL	ART30UUAN AOT30UNBWL	ARY45UUAN AOY45UMAXT	ART36UUAUAK AOT36UNAXT	ART45UUAUAK AOT45UMAXT	ART60UUAUAK AOT60UMAYT	ART90TUAUJ AOT90TPC3L	
Reverse Cycle System			Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Optional Simple Wired RC			UTB-TPB	UTB-TPB	UTB-TPB	UTB-TPB	UTB-TPB	UTB-TPB	UTB-TPB	
Optional Remote Sensor			UTD-RS100	UTD-RS100	UTD-RS100	UTD-RS100	UTD-RS100	UTD-RS100	UTD-RS100	
Cooling Capacity	Watts		7100	8500	12700	10500	12700	16500	26400	
	BTU/h		24100	29400	43400	36000	43500	56300	87000	
Heating Capacity	Watts		7700	9500	14300	12000	14300	19700	29500	
	BTU/h		26300	32400	48800	40980	48800	67200	100000	
Power Supply	Volts		240	240	415	415	415	415	415	
Phase-Frequency	Ph- Hz		1-50	1-50	3-50	3-50	3-50	3-50	3-50	
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Indoor & Outdoor	
Running Current	Cooling	Amps	11.8	14.3	7.7	6.2	7.8	10.9	19.5	
	Heating	Amps	10.5	13.1	7.7	6.2	7.7	10.6	19.5	
Input	Cooling	Watts	2650	3150	4380	3750	4550	6200	10100	
	Heating	Watts	2380	2800	4390	3450	4200	5750	10100	
Moisture Removal	l/hr		2.5	3	5.5	2	3	4	7.5	
E.E.R.	Cooling		2.68	2.7	2.90	2.80	2.79	2.66	2.61	
C.O.P.	Heating		3.24	3.39	3.26	3.48	3.40	3.43	2.92	
Star Rating	Cooling		★★★★	★★★★	-	-	-	-	-	
	Heating		★★★★★	★★★★★	-	-	-	-	-	
Fan Speeds			3	3	3	3	3	3	1	
Ex Static Pressure Range	Pa		30 to 150	30 to 150	30 to 150	100 to 200	100 to 200	100 to 250	100 to 300	
Air Circulation	High	l/s	320@100Pa	400@100Pa	500@100Pa	720@100Pa	750@100Pa	1000@100Pa	1200@200Pa	
Compressor Type			Rotary	Rotary	Scroll	Twin Rotary	Scroll	Scroll	Scroll	
Dimensions and Weights	I.U.	Height	mm	270	270	270	400	400	450	
		Width	mm	1135	1135	1135	1050	1050	1550	
		Depth	mm	700	700	700	500	500	700	
		Net Weight	kg	43	43	45	50	50	85	
	O.U.	Height	mm	650	830	1165	1165	1165	1290	1380
		Width	mm	830	900	900	900	900	900	1300
		Depth	mm	320	330	330	330	330	330	650
		Net Weight	kg	59	69	113	94	113	118	245
Ductwork Plenum Size			Supply mm 1065 x 202	Supply mm 1065 x 202	Supply mm 1065 x 202	Supply mm 850 x 295	Supply mm 850 x 295	Supply mm 850 x 295	Supply mm 1200 x 350	
Optional Supply Spigots			Return mm 1015 x 240	Return mm 1015 x 240	Return mm 1015 x 240	Return mm 865 x 325	Return mm 865 x 325	Return mm 865 x 325	Return mm 1250 x 370	
I.U. Sound Pressure Level	Square	Qty 1	UTD-SF045T	UTD-SF045T	UTD-SF045T	-	-	-	-	
	Round	Qty 4	UTD-RF204	UTD-RF204	UTD-RF204	-	-	-	-	
O.U. Sound Pressure Level	dBA@1mtr		39	41	44	44	45	49	50	
O.U. Sound Power Level	dBA		53	54	55	55	55	55	59	
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R407C	
Connection Pipe Sizes	Gas	mm	15.88	15.88	19.05	15.88	19.05	19.05	28.58	
	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52	12.7	
Pre Charged Length			7.5	7.5	20	20	20	20	30	
Minimum Pipe Length			5	5	5	5	5	5	5	
Maximum Pipe Length	Metre		25	30	50	50	50	50	50	
Maximum Pipe Height	Metre		15	15	30	30	30	30	30	
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare	Flare	Flare & Flange	
Outdoor Operating Temp.	Cooling	Degrees C	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43	0 to 46	
	Heating	Degrees C	-7 to 24	-7 to 24	-10 to 24	-10 to 24	-10 to 24	-10 to 24	-10 to 21	
Soft Starter			Yes	Yes	No	No	No	No	No	

CONVENTIONAL

CASSETTE

LARGE UNDER CEILING

Type			CONVENTIONAL			CONVENTIONAL			
Model No.	Indoor Unit		AUT36UUAS	AUT45UUAS	AUT54UUAS	ABT36UBAG	ABT45UBAG	ABT54UBAG	
	Outdoor Unit		AOT36UNAXT	AOT45UMAXT	AOT54UMAYT	AOT36UNAXT	AOT45UMAXT	AOT54UMAYT	
Reverse Cycle System			Yes	Yes	Yes	Yes	Yes	Yes	
Cooling Capacity	Watts		10500	12700	14500	10500	12700	14500	
	BTU/h		35800	43400	49500	35800	43400	49500	
Heating Capacity	Watts		12000	14300	16500	12000	14300	16500	
	BTU/h		40900	48800	56300	40900	48800	56300	
Power Supply	Volts		415	415	415	415	415	415	
Phase-Frequency	Ph- Hz		3-50	3-50	3-50	3-50	3-50	3-50	
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Running Current	Cooling	Amps	6.1	7.7	9.7	6.1	7.7	9.7	
	Heating	Amps	6.4	7.7	9.8	6.2	7.7	9.8	
Input	Cooling	Watts	3550	4380	5230	3550	4380	5230	
	Heating	Watts	3750	4390	5400	3750	4390	5400	
Moisture Removal		l/hr	4	5	6	4	5	6	
E.E.R.	Cooling		2.96	2.90	2.77	2.96	2.90	2.77	
C.O.P.	Heating		3.20	3.26	3.06	3.20	3.26	3.06	
Star Rating	Cooling		-	-	-	-	-	-	
	Heating		-	-	-	-	-	-	
Fan Speeds			3	3	3	3	3	3	
Air Circulation	High	l/s	430	444	486	461	513	611	
Compressor Type			Twin Rotary	Scroll	Scroll	Twin Rotary	Scroll	Scroll	
Dimensions and Weights	I.U.	Height	mm	296	296	296	240	240	240
		Width	mm	830	830	830	1660	1660	1660
		Depth	mm	830	830	830	700	700	700
		Net Weight	kg	37	40	40	48	48	48
	O.U.	Height	mm	1165	1165	1290	1165	1165	1290
		Width	mm	900	900	900	900	900	900
		Depth	mm	330	330	330	330	330	330
		Net Weight	kg	94	113	118	94	113	118
Ceiling Opening Measurement		mm	890 x 890	890 x 890	890 x 890	-	-	-	
I.U. Sound Pressure Level		dB(A)@ 1 mtr	48	49	52	45	48	52	
O.U. Sound Pressure Level		dB(A)@ 1 mtr	55	55	55	55	55	55	
O.U. Sound Power Level		dB(A)	68	68	68	68	68	68	
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	
Connection Pipe Sizes	Gas	mm	15.88	19.05	19.05	15.88	19.05	19.05	
	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52	
Pre Charged Length			20	20	20	20	20	20	
Minimum Pipe Length		Metre	5	5	5	5	5	5	
Maximum Pipe Length		Metre	50	50	50	50	50	50	
Maximum Pipe Height		Metre	30	30	30	30	30	30	
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare	Flare	
Outdoor Operating Temp.	Cooling	Degrees C	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43	
	Heating	Degrees C	-10 to 24	-10 to 24	-10 to 24	-10 to 24	-10 to 24	-10 to 24	



Products in this brochure contain R410A, R407C or R22 refrigerant.
Please refer to specifications before installation & servicing this product.

Only persons and/or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so. The purchaser must ensure that the person and/or company who is to install, service or repair this air conditioner has qualifications and experience in refrigerant products.

Suitable access for warranty & service is required.

For future improvement, specifications, designs of product and availability are subject to change without notice.
Please check with your dealer.

Heating and cooling capacities are based on AS/NZS 3823.

Cooling Indoor Temp: 27°C DB/19°C WB
Outdoor Temp: 35°C DB

Heating Indoor Temp: 20°C DB
Outdoor Temp: 7°C DB /6°C WB

Running current is at rated conditions (AS3823) and does not include compressor start-up or variations in power supply and load conditions.



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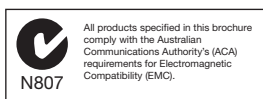


ISO 9002
Certified number: JQA-2005



ISO 14001
Certified number: EC98J1137

Hamamatsu Fujitsu General Ltd.



FUJITSU COMFORT™
AUSTRALIA'S FAVOURITE AIR™



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