

FUJITSU

AUSTRALIA'S FAVOURITE AIR™

# 2007

## Air Conditioning Range

Ceiling Wall

Wall Mounted

Cassette

Ceiling & Floor Console

Multi's



# Fujitsu leads the way.

Fujitsu leads the way in design and technology with its most exciting range of innovative air conditioners.

With a choice of individual and advanced systems in a variety of configurations, Fujitsu can provide the perfect solution for any environment.

Whether it's heating or cooling, come home to Fujitsu comfort.

## 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

The micro-processor automatically adjusts the air flow to follow changes in room temperature.



### Auto Restart

Should there be a 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 distributing duct.



### Connectable Fresh Air Duct

Allows introduction of fresh air to occupied space.



### Washable Panel



### Long-life Ion deodorisation filter

For details, see page 10.



### Apple-catechin filter

For details, see page 10.



### Cooling



### Heating



### TESAW

Top Energy Saver Award for the most energy efficient star rated products. [www.energyallstars.gov.au](http://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.



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### CONVENTIONAL TYPE

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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*



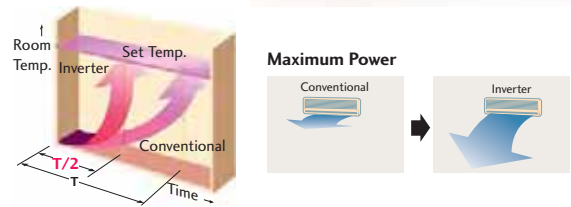
# Inverter technology



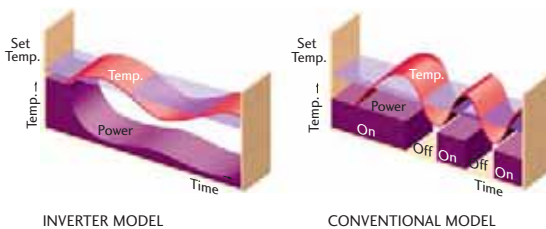
## What's an inverter?

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.

### Room Warming Speed



### Power and Speed



## 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.

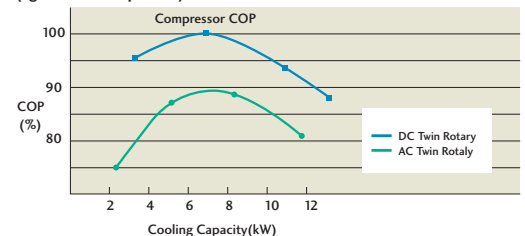
## DC twin rotary compressor

The Fujitsu Inverter System is equipped with a state of the art DC twin rotary compressor. It can reach the room temperature you set 15%\* quicker than conventional models and precisely maintain it at a difference of just 0.5°C. Advanced DC twin rotary compressor makes operation at high power and high efficiency a reality.

(Selected models only)



Comparison of cooling efficiency of DC compressor (against AC compressor)



\*Depends on room size and heat load.

### Energy savings over 1 year

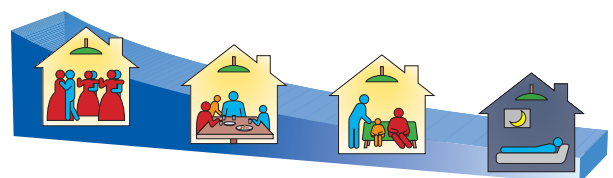


## High Energy Efficiency

The high efficiency DC Inverter Multi System offers energy saving operation and 50% higher efficiency than a constant-speed multi system. Improved Inverter cooling ratio prevents a drop in capacity when operating under load conditions.

## Stable & Comfort

The air conditioner's output is stabilised at the optimum setting within the range from maximum to minimum to match the load, which is affected by factors such as the room temperature and the number of people present.

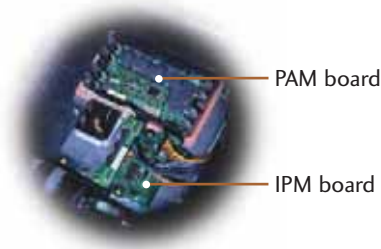


# I-PAM

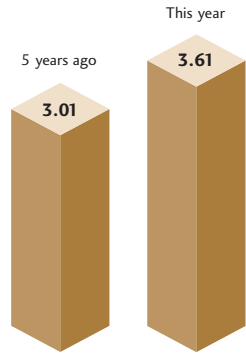


Through advances in our inverter technology, Fujitsu has now introduced I-PAM (Intelligent Power Module-Pulse Amplitude Modulation) technology. I-PAM is able to extract superior performance capabilities by adding an IPM board to conventional inverter PAM control.

## I-PAM control panel

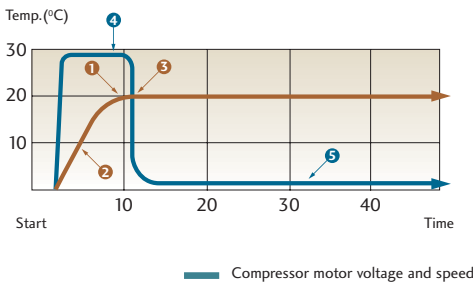


**COP**  
(Coefficient of Performance)

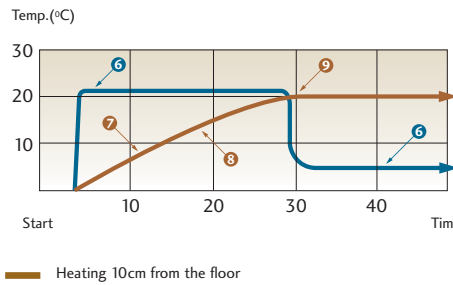


## Energy saving and speedy heating only possible by I-PAM

### I-PAM control model



### Our previous inverter model



#### I-PAM

1. Heats in approximately 1/3 of the time of our previous inverter models
2. Rises rapidly
3. Pleasant temperature in 10 minutes
4. High power operation
5. Energy saving operation

#### PREVIOUS INVERTER

6. Incomplete energy saving
7. Still cold
8. Temperature rise is slow
9. Pleasant temperature in approximately 30 minutes

# V-PAM



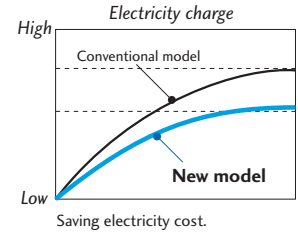
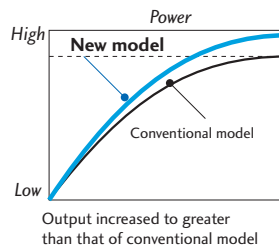
V-PAM inverter increases the maximum output of the compressor significantly and enables high power and high efficiency.



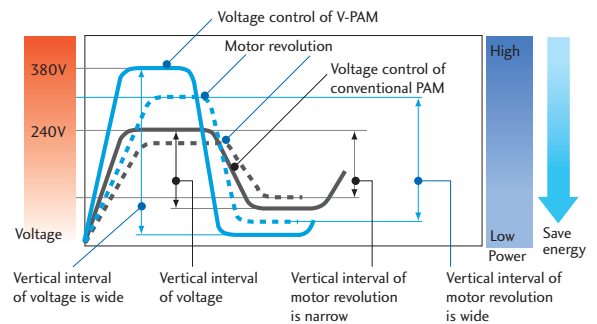
**G** V-PAM  
V-PAM technology makes the compressor more powerful.



**H**  
More compact than conventional models.



## Comparison between V-PAM & conventional PAM.



### Conventional PAM

Control range between energy saving and high power is small because vertical interval of voltage and motor revolution is narrow.

### V-PAM

V-PAM achieves high power by increasing the voltage up to 380V and making the motor rotate faster and also saves energy in the stable state by making the motor rotate slower than that of conventional models by lowering the voltage.



INVERTER

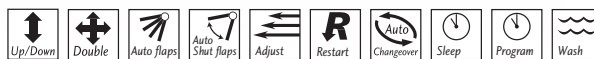
Ceiling Wall

# Nocria®

## Automatic filter cleaning air conditioner.

The revolutionary NOCRIA ceiling wall models have vastly improved heating and cooling efficiency and energy saving. These elegant units are designed to sit very high on the wall, just 40mm below the ceiling and remain very unobtrusive. The automatic self cleaning filter system ensures highly efficient operation and the UV filter disinfects and deodorises the air.

Available only from selected outlets.



### AWTZ14LB\*



Hi-EER: TBA  
Hi-COP: TBA  
C TBA  
H TBA

\*Available 2007.

### AWTZ18LB



Hi-EER: 3.289 (W/W)  
Hi-COP: 4.108 (W/W)  
C 5.20kW / 17,700BTU/h  
H 6.70kW / 22,900BTU/h

### AWTZ24LB\*



Hi-EER: TBA  
Hi-COP: TBA  
C TBA  
H TBA

\*Available December 2006.

## Our unique technology achieved top energy efficiency in the industry.

**WORLD FIRST!**

### A Energy saving by automatic filter cleaning function.

This function allows an energy saving of more than 25% a year and maintains a smooth air flow by preventing the filters from being clogged with dust.

### B Computer-designed fan provides a larger air flow than conventional models.

New air trunk, which provides a smooth air flow & gap fan motor increase the maximum air flow by 10% over that of conventional models. CAE: Computer Aided Engineering

**WORLD FIRST!**

### C Axial gap fan motor enables non-conventional high power and high efficiency.

#### Axial gap method

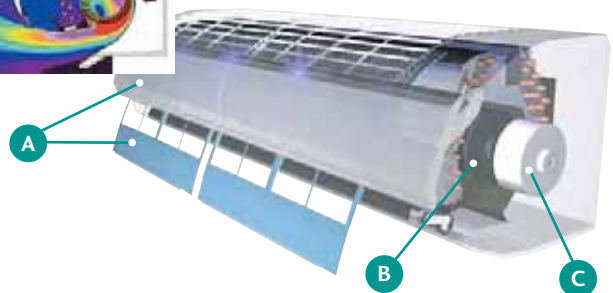
Rotor plates are installed above & below electromagnets.

**Features** (Compared to conventional models)

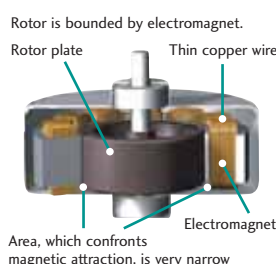
- Compact size with 1.5 times more power output.
- Self-driven method increases rotating efficiency by 10%.
- Our electromagnetic field simulation technology enables low vibration and low noise.



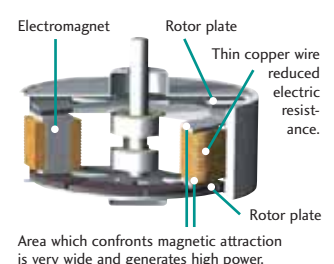
CAE Analysis



#### CONVENTIONAL MOTOR



#### NEW MODEL

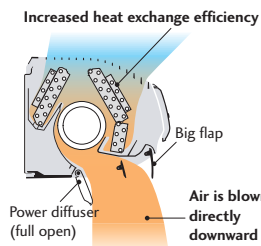


Strong vertical air flow provides powerful floor level heating.

**No.1**  
Heating capacity



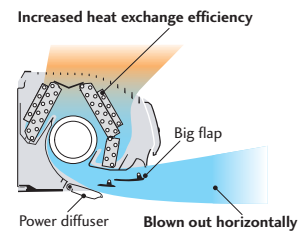
\*Compared to Inverter Model AST13PSACW.



Healthy horizontal air flow does not blow cool air directly at the occupants in the room.



\*Compared to Inverter Model AST13PSACW.



## Automatic filter clean **WORLD FIRST!**

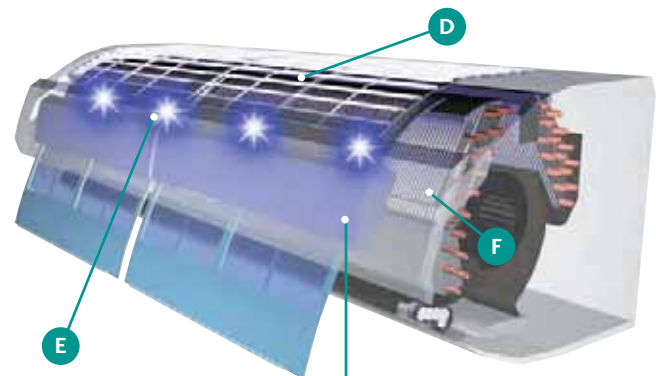
Entire filter is cleaned automatically in approximately 2 minutes.

Since the filter is cleaned automatically, energy saving capability is displayed without regard to the load on the air conditioner.

### Energy saving.

If the energy saving effect is maintained, filter cleaning once every two weeks is effective.

Three exhaustive sterilising and deodorising counter measures keep the air in the room clean.



**Antibacterial dust box**  
Removes dirt and dust by double brushes. Dust collection is approximately twice that in the past. (Our Company Comparison). Dust box only needs to be emptied every two years.

## STERILIZING COUNTER MEASURE

**D** Dirt and dust are thoroughly sterilised by titan apatite filter\*

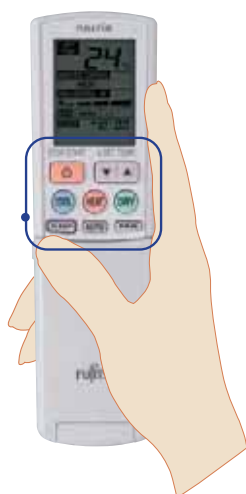
\* Displays double the effect of a conventional optical medium and retains its property for a long time to suck in and remove approximately 99.99% of cigarette odours and bacteria, etc.

## WORLD FIRST!

**E** World First! Drives away bacteria and refreshes the air by UV (ultraviolet rays) illumination.

**F** The heat exchanger also uses titan apatite.

Titan apatite attracts bacteria and mould spores that pass through the filter and suppresses the growth of bacteria.



## Remote controller

Frequently used parts are clearly visible at the centre. The operation mode can be directly selected.

## Inner drying operation prevents growth of mould, fungus and bad odour.

This model is equipped with an inner drying function. After the power is turned off, the drying operation starts inside the air conditioner.

### Covered in Beading

Bacteria grows in beading and causes bad odour.

After operation ends, by pressing the COIL DRY button a 30 minute speed cleaning operation will commence.

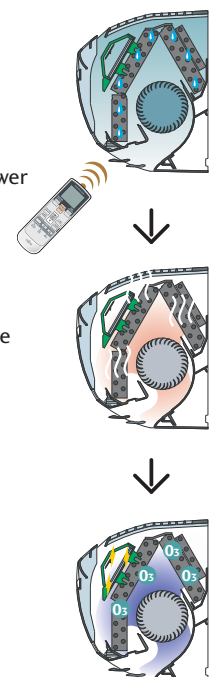
### Removes Moisture

Drying operation takes approx. 15 minutes.

### Sterilisation

Ozone sterilisation operation takes approx. 15 minutes.

"Inner drying operation" and "ozone sterilising operation" keep the inside of the air conditioner clean at all times. That's why air from the air conditioner is always clean and high efficiency is achieved.



# INVERTER Wall Mounted Plasma

Minute dust particles are thoroughly collected by electrostatic filter and odours are suppressed through decomposition by using negatively charged ions. This filter design allows for high dust collection whilst maintaining clean odourless air.



**New**



Available only from selected outlets.



## ASTB09LD

Hi-EER: 4.252 (W/W)  
Hi-COP: 4.44 (W/W)

**C** 2.60kW / 8,900BTU/h  
**H** 3.60kW / 12,300BTU/h



## ASTB12LD

Hi-EER: 3.843 (W/W)  
Hi-COP: 3.934 (W/W)

**C** 3.50kW / 11,900BTU/h  
**H** 4.80kW / 16,400BTU/h



## ASTB18LD

Hi-EER: 3.022 (W/W)  
Hi-COP: 3.609 (W/W)

**C** 5.20kW / 17,700BTU/h  
**H** 6.25kW / 21,300BTU/h



For ASTB09/12LD



For ASTB18/24LD

**New**



## ASTB24LD\*

Hi-EER: TBA  
Hi-COP: TBA

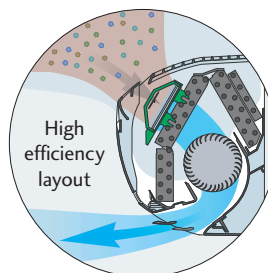
**C** TBA  
**H** TBA

\* Available December 2006.

Original plasma air cleaning unit effectively cleans the air in the room.

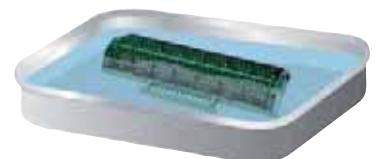


### Plasma air filter mechanism

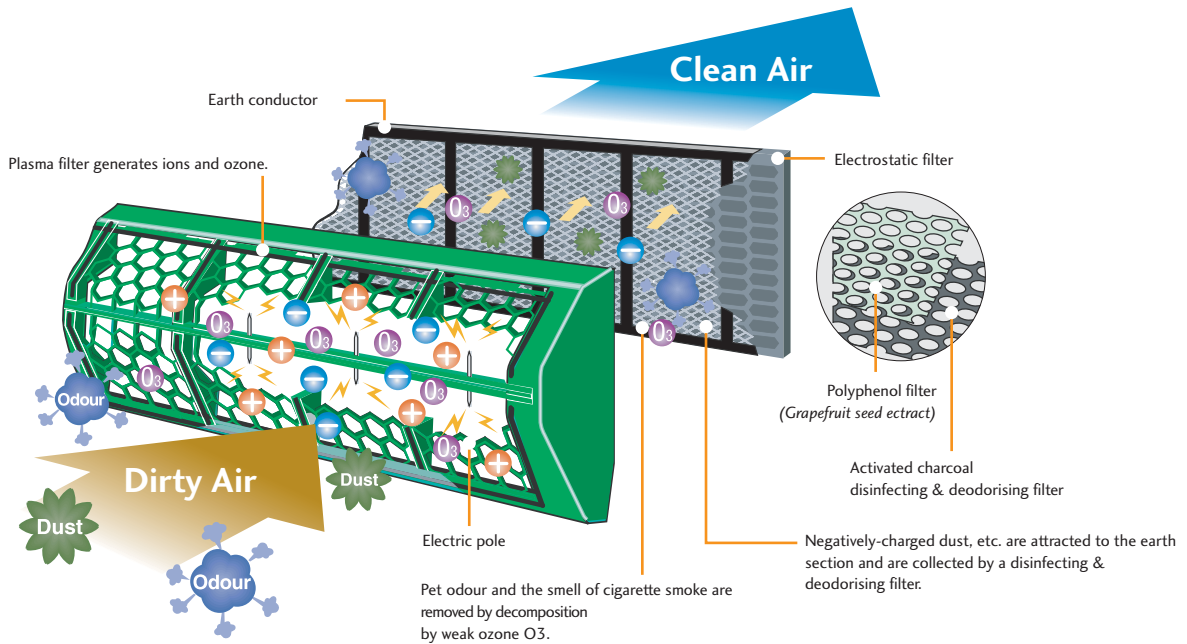


### Washable filter

Each time the filter is washed, it is restored to the same performance levels as when new.



Plasma air cleaner quickly removes small dust particles and odours.



**Collects dirt such as...**

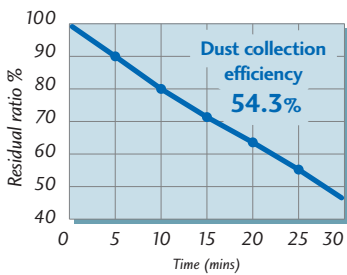
House dust / Pet fur / Cigarette smoke / Dust mites / Mould spores and Pollen.

**Absorbs odours such as...**

Cigarette smoke / Pet odour / Perspiration and Body odour.

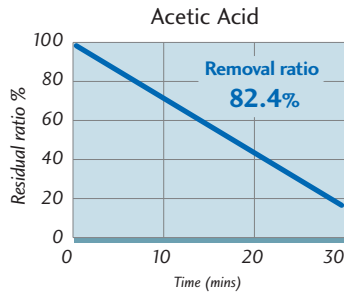
**Performance**

**Dust collection performance**

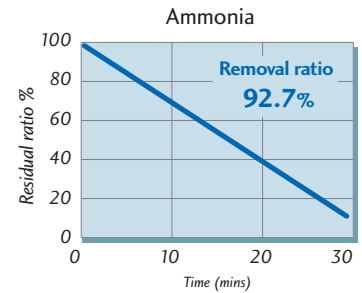


Test method: JEM 1417  
Test room: 30m<sup>3</sup>, sealed room

**Deodorising performance**



Test method: JEM1467  
Test room : 1 m<sup>3</sup>, acryl sealed box



**Sterilisation effect by Polyphenol ceraglaze**

The following diagrams illustrate the effect of a 0.1 ml specimen containing bacteria (approx. 107CFU/ml) being sterilised by polyphenol ceraglaze.



Tested by KITAZATO environment science centre Experiment bacteria: Staphylococcus Aures/Escherichia coli Test No. :15-0253. Test condition: at 20 degrees C/24 hour action

# INVERTER

# Wall Mounted

**Energy efficient Fujitsu Comfort.** The Fujitsu smart Inverter range reaches the desired room temperature faster and then constantly adjusts to maintain perfect Fujitsu Comfort. With its energy efficiency, it is up to 30% cheaper to run than conventional air conditioners.



**New**

**New Small**



For ASTA07/09



For ASTA12



For ASTA18LC

## ASTA07JC\*

Hi-EER: 3.68 (W/W)  
**C** 2.10kW / 7,200BTU/h

## ASTA09JC\*

Hi-EER: 3.518 (W/W)  
**C** 2.60kW / 8,900BTU/h

## ASTA12JC\*

Hi-EER: 3.150 (W/W)  
**C** 3.50kW / 11,900BTU/h

\* Cooling only models not shown. Design differs.

## ASTA09LC

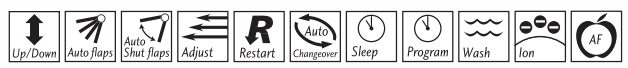
Hi-EER: 3.963 (W/W)  
 Hi-COP: 4.261 (W/W)  
**C** 2.60kW / 8,900BTU/h  
**H** 3.60kW / 12,300BTU/h

## ASTA12LC

Hi-EER: 3.801 (W/W)  
 Hi-COP: 3.869 (W/W)  
**C** 3.50kW / 11,900BTU/h  
**H** 4.80kW / 16,400BTU/h

## ASTA18LC

Hi-EER: 3.022 (W/W)  
 Hi-COP: 3.61 (W/W)  
**C** 5.20kW / 17,700BTU/h  
**H** 6.25kW / 21,300BTU/h



**New**



For ASTA24LC



For ASTA30LC

**Flat panel**



## ASTA24LC

Hi-EER: 3.011 (W/W)  
 Hi-COP: 3.516 (W/W)  
**C** 7.40kW/25,300BTU/h  
**H** 8.50kW/29,000BTU/h

## ASTA30LC

Hi-EER: 2.989 (W/W)  
 Hi-COP: 3.385 (W/W)  
**C** 8.00kW/27,300BTU/h  
**H** 9.00kW/30,700BTU/h

## Air conditioner filter features

### Apple-catechin filter

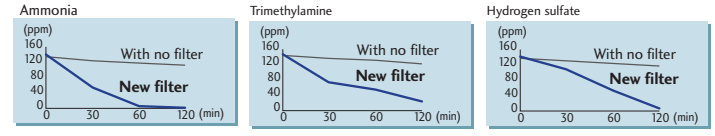
Fine dust, invisible mould spores and harmful micro organisms are absorbed onto the filter by static electricity and further growth is inhibited and deactivated by the polyphenol ingredient extracted from apples.

### Long-life\* Ion deodorisation filter

The filter deodorises by powerfully decomposing absorbed odours using the oxidizing filter and reducing effects of ions generated by the ultra-fine-particle ceramic. (\*The filter can be used for approximately 3 years if it is washed under water to restore its surface action when it is dirty.)



### Deodorising effect (odour reduction rate)



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

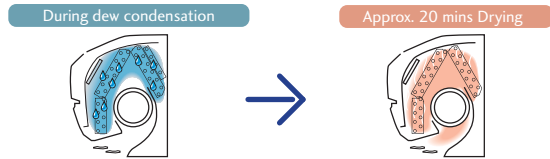
## Easy maintenance

Since the front panel is easy to remove, maintenance is also easy.



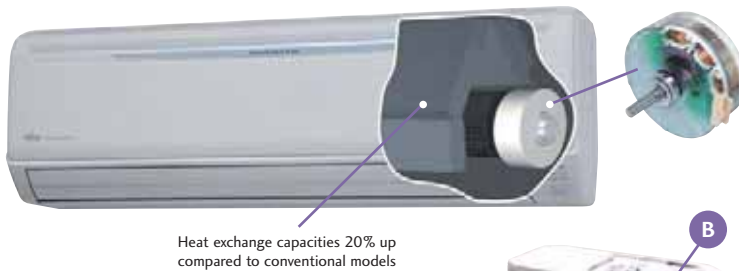
## Inner drying operation

This model is equipped with an inner drying function. After the power is turned off, the drying operation starts inside the air conditioner. This helps prevent the growth of mould and bacteria inside the indoor unit.

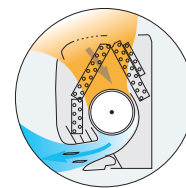
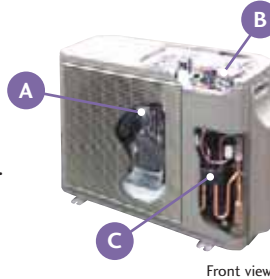


The following features apply to ASTA24LC model

## All DC

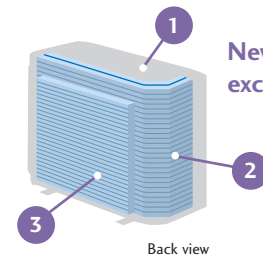


- A DC Fan Motor**
- B V-PAM control**  
V-PAM technology makes a compressor more powerful.
- C DC scroll compressor**  
More compact compared with conventional model



### High efficiency layout

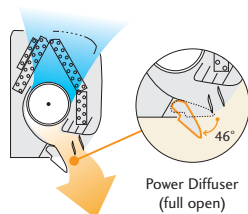
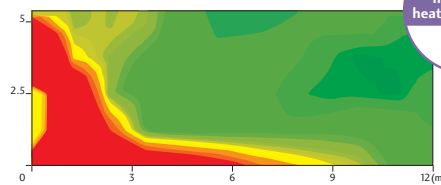
Large air flow and quiet operation by new air flow path



### New 3-row heat exchange system

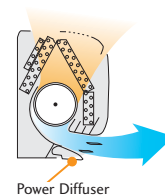
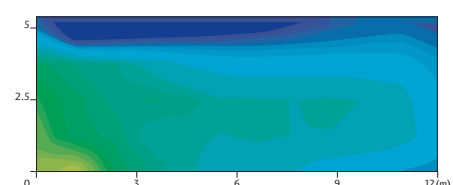
## Power Diffuser

"Strong vertical air flow" provides powerful floor level heating.



33 32 31 30 29 (°C)  
Outside air conditions: 2°C 60%.  
Operation contents: Heating, Set temperature (Max set temp) 30°C,  
Air flow hi, Air direction downward and front.

"Healthy horizontal air flow" does not blow cool air directly at the occupants in the room.



15 16 17 18 (°C)  
Outside air conditions: 35°C 40%.  
Operation contents: Cooling, Set temperature (Min set temp) 18°C,  
Air flow hi, Air direction downward and front.

## Compact design

### Conventional model



70kg



H900 x W900 x D350

### New model



44kg



H320 x W998 x D228

H578 x W790 x D315

Unit: mm H320 x W1,120 x D220

**INVERTER**

# Cassette



AUTA18L/24L



AUT30L



### AUTA18L\*

- C** TBA
- H** TBA

\*Available 2007.

### AUTA24L\*

- C** TBA
- H** TBA

\*Available 2007.

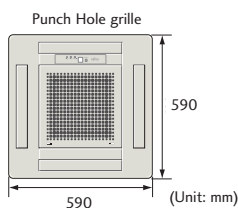
### AUT30L

- C** 8.50kW / 29,000BTU/h
- H** 10.0kW / 34,100BTU/h



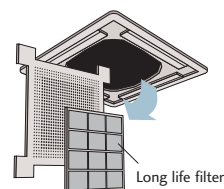
### Compact size (AUTA18L/24L)

Compact grille fits common ceiling panel (590 x 590mm).



### Easy maintenance (AUT30L)

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.



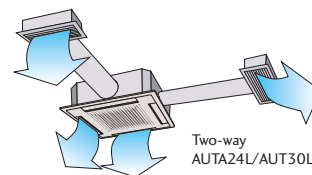
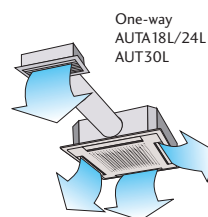
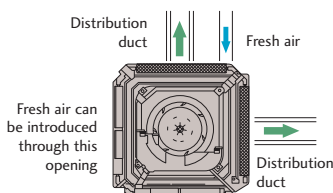
### AUT30L

Wired Remote Controller with Thermo Sensor

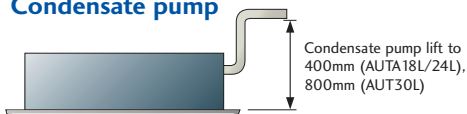
- Room temperature sensor selection
- Temperature SET BACK timer
- Group control system
- Child-proof lock
- Dual remote controllers <optional>
- Hot start <for heating>

### Duct connection

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



### Condensate pump



**INVERTER**

# Universal Floor/Ceiling

The Inverter Universal Floor/Ceiling type single room split system units are highly efficient. They can handle greater extremes in temperature, are smoother and more stable in operation and reach the desired temperature more quickly than conventional units.



### ABT18L

- C** 5.20kW / 17,800BTU/h
- H** 6.20kW / 21,200BTU/h

### ABT24L

- C** 6.50kW / 22,200BTU/h
- H** 6.80kW / 23,200BTU/h



**INVERTER**

2 Room/4 Room

# 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 allow one outdoor unit to be connected up to a wide variety of 2, 3 or 4 indoor units including Wall Mounted, Floor/Ceiling Console and Cassette, depending on the model.

## DC Inverter Multi Type System

(The illustration below is an example of the AOT30LMAW4)

This inverter system is equipped with a state of the art DC twin rotary compressor.

It can reach the room temperature you set 15% quicker than conventional models and precisely maintain it at a difference of just 0.5°C. Advanced DC twin rotary compressor makes operation at high power and high efficiency a reality.

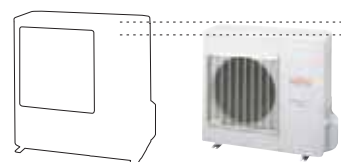


Example illustration of system configuration



## Compact Design

Outdoor unit: AOT30LMAW4



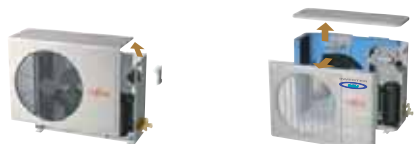
H835 x W900 x D330mm

Current model

New model

## Easy installation and easy maintenance

Outdoor unit: AOT24LMAM2. Maintenance has been improved by making attachment and detachment of the top panel easy.



Existing model

New model



**ABT14/18/24LB**  
Universal Type



**AST7/9/12LM**  
Wall Mounted Type



**AST18/24LB**  
Wall Mounted Type

**AOT24LMAM2** Rank A V PAM  
C 5.80kW / 19,800BTU/h  
H 6.40kW / 21,900BTU/h



**AUT12/14/18LB**  
Cassette (Compact) Type



**AOT30LMAW4** Rank A V PAM  
C 8.00kW / 27,300BTU/h  
H 9.60kW / 32,800BTU/h



**AUT12L/14L/18L**  
**ABT14L/18L/24L**  
**AST7L/9L/12L/18L/24L**

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

**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
<b>2.3kW</b> (7,900BTU)	AST7LM 			
<b>2.7kW</b> (9,200BTU)	AST9LM 			
<b>3.5kW</b> (11,900BTU)	AST12LM 		AUT12LB 	
<b>4.2kW</b> (14,300BTU)			AUT14LB 	ABT14LB 
<b>5.2kW</b> (17,800BTU)		AST18LB 	AUT18LB 	ABT18LB 
<b>6.3kW</b> (21,500BTU)				
<b>6.8kW</b> (23,200BTU)		AST24LB 		ABT24LB 

AOT30LM4

AOT24LM2

Refer to dealer for selection chart.

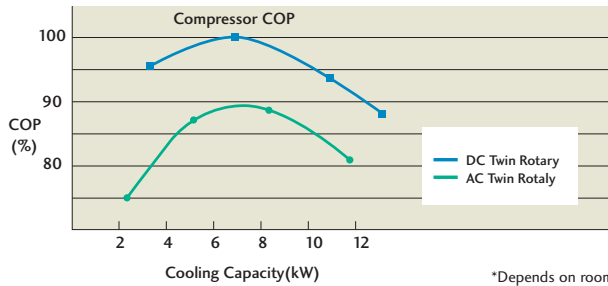
## DC Twin Rotary Compressor

The Fujitsu Inverter System is equipped with a state of the art DC twin rotary compressor. It can reach the room temperature you set 15%\* quicker than conventional models and precisely maintain it at a difference of just 0.5°C. Advanced DC twin rotary compressor makes operation at high power and high efficiency a reality.



DC twin rotary compressor

### Comparison of cooling efficiency of DC compressor (against AC compressor)



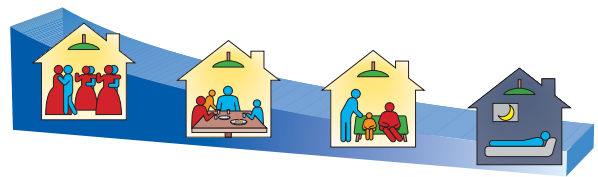
\*Depends on room size and heat load.

## Independent Control

Each indoor unit can be operated independently. That is, on/off, temperature, air movement and time clock operation can all be controlled from their own wireless remote.

## Stable and Comfort

The air conditioner's output is stabilised at the optimum setting within the range from maximum to minimum to match the load, which is affected by factors such as the room temperature and the number of people present.



## High Energy Efficiency

The high efficiency DC Inverter Multi System offers energy saving operation and approximately 50% higher efficiency than a constant-speed multi system. Improved Inverter cooling ratio prevents a drop in capacity when operating under load conditions.



Energy savings over 1 year

DC Inverter Multi System  
Constant-Speed Multi System

## CONVENTIONAL

## 2 Room Multi System



	Up/Down	Auto flaps	Auto Shut flaps	Adjust	Restart	Auto Changeover	Sleep	Program	On-Off	Distributing	Fresh
AOT19F	●	●	●	●	●	●	●		●		
AOT19U	●	●	●	●	●	●	●		●		

AOT19F (AST9FMBD x2)

C 2.90kW / 9,900BTU/h

AOT19U (AST9UMBBD x2)

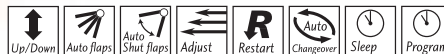
C 2.85kW / 9,700BTU/h

H 3.25kW / 11,100BTU/h

# CONVENTIONAL

# Wall mounted

Total comfort with ease of operation. Stylish and slim, these elegant wall mounted units complement any interior décor and are suitable for a variety of applications.



For AST18FB/18UB  
24FB/24UB



For AST30AB/30RB

### AST18FB

**C** 5.40kW / 18,400BTU/h

### AST18UB

**C** 5.40kW / 18,400BTU/h

**H** 6.30kW / 21,500BTU/h

### AST24FB

**C** 7.00kW / 23,900BTU/h

### AST24UB

**C** 6.80kW / 23,200BTU/h

**H** 7.50kW / 25,600BTU/h

### AST30AB

**C** 8.20kW / 28,000BTU/h

### AST30RB

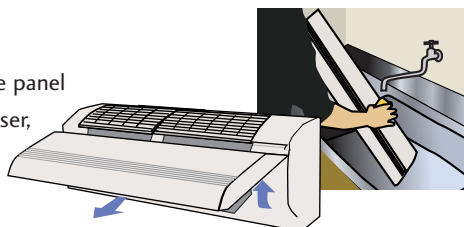
**C** 8.00kW / 27,300BTU/h

**H** 8.80kW / 30,000BTU/h

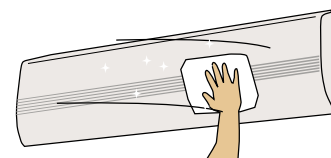
## Features

### Washable panel filter

The removable and washable panel filter is an effective air cleanser, removing mould and dust from the environment.

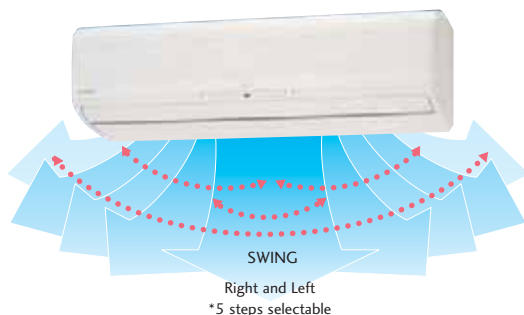


Cleaning of the indoor unit itself is simple due to design and shape of the casing.



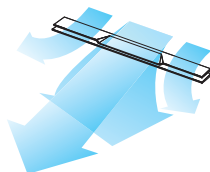
The top panel can also be removed for easy cleaning if necessary.

### Wide air flow with super vane



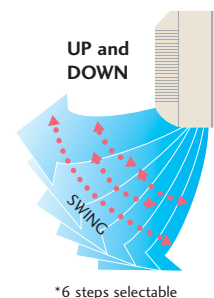
### Quiet omni-directional air flow

In all Fujitsu wall mounted models, control over air direction swing is made possible by dual use of an up/down and right/left air direction swing.



### Super vane

Our newly developed super vane configuration boosts air flow by sending cool air quickly to every corner of the room.



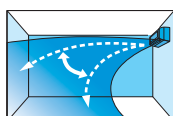
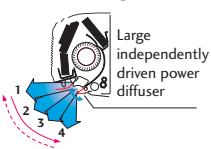
### Power diffuser

The floor level heating efficiency is considerably improved through our new design of "Power Diffuser". With the combination of a power diffuser and up/down air direction panels, more comfort can be obtained.

### Easy installation

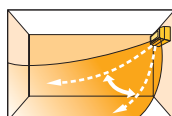
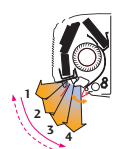
Larger space at base of housing means extra 15% piping space.

### Cooling



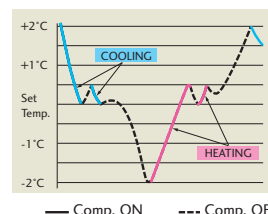
Horizontal concentration and other air direction control

### Heating



Wide down low

→ Steps    → Swing

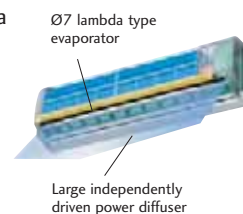


### Other features include

- Auto-changeover • Program timer • Air purifying filter (optional)
- Auto restart • Double auto swing • Sleep timer • Low noise & high EER with ergonomic design
- Safe, clean and economical heating system (Reverse cycle model)
- Detachable and washable front panel
- Cooling operation at low outdoor temperatures
- 2-way draining route

### Low noise

- High: 46dB - 24 type actual data
- High efficiency fan construction
- 7mm Lambda type evaporator improves the airflow path
- Large independently driven power diffuser



## CONVENTIONAL

## Under Ceiling

With a slender design, these under ceiling models are extremely quiet and energy efficient, they are ideal for residential or commercial situations.



For ABT30U



### ABT30U

**C** 8.50kW / 28,700BTU/h

**H** 9.50kW / 32,400BTU/h

## 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.



Wired type  
(with weekly/setback timer)



For AUT30U



### AUT30U

**C** 8.50kW / 28,700BTU/h

**H** 9.50kW / 32,400BTU/h

# SPECIFICATIONS



## INVERTER

## NOCRIA

## PLASMA

Type			INVERTER			
Model No.	Indoor Unit		AWTZ14LBC	AWTZ18LBC	AWTZ24LBC	
	Outdoor Unit		AOTZ14LBC	AOTZ18LBC	AOTZ24LBC	
Reverse Cycle System			Yes	Yes	Yes	
Cooling Capacity			Watts	5200	TBA	
			BTU/h	17700	TBA	
Range			Watts	900-5900	TBA	
			BTU/h	3100-20100	TBA	
Heating Capacity			Watts	6700	TBA	
			BTU/h	22900	TBA	
Range			Watts	900-9700	TBA	
			BTU/h	3100-33100	TBA	
Power Supply			Volts	240	240	
Phase-Frequency			Ph - Hz	1-50	1-50	
Power Supply Attachment			Indoor	Indoor	Outdoor	
Plug Size (If Applicable)			Amps	15 amp plug	15 amp plug	
Running Current			Cooling	Amps	TBA	
			Range	Amps	TBA	
			Heating	Amps	TBA	
			Range	Amps	TBA	
Input			Cooling	Watts	TBA	
			Range	Watts	TBA	
			Heating	Watts	TBA	
			Range	Watts	TBA	
Moisture Removal			l/hr	TBA	2.8	
E.E.R.			Cooling	TBA	3.289	
C.O.P.			Heating	TBA	4.108	
Star Rating			Cooling	TBA	★★★★★	
			Heating	TBA	★★★★★	
Fan Speeds			TBA	5	TBA	
Air Circulation			High	l/s	TBA	
Compressor Type			Rotary	Rotary	Scroll	
Dimensions and Weights			I.U.	Height	mm	250
				Width	mm	899
				Depth	mm	298
				Net Weight	kg	13.5
			O.U.	Height	mm	578
				Width	mm	790
				Depth	mm	300
				Net Weight	kg	39
I.U. Sound Pressure Level			dB@1mtr	TBA	46	
O.U. Sound Pressure Level			dB@1mtr	TBA	48	
O.U. Sound Power Level			dB	TBA	65	
Refrigerant			R410A	R410A	R410A	
Connection Pipe Sizes			Gas	mm	TBA	
			Liquid	mm	TBA	
Pre Charged Length			Metre	TBA	15	
Minimum Pipe Length			Metre	TBA	3	
Maximum Pipe Length			Metre	TBA	20	
Maximum Pipe Height			Metre	TBA	15	
Pipe Connection Methods			Flare	Flare	Flare	
Outdoor operating Temp.			Cooling	Degrees C	-10 to 43	
			Heating	Degrees C	-15 to 24	

INVERTER			
ASTB09LDC	ASTB12LDC	ASTB18LDC	ASTB24LDC
AOTS09LDC	AOTS12LDC	AOTS18LDC	AOTS24LDC
Yes	Yes	Yes	Yes
2600	3500	5200	TBA
8900	11900	17700	TBA
500-3700	900-4300	900-5700	TBA
1700-12600	3100-14700	3100-19400	TBA
3600	4800	6250	TBA
12300	16400	21300	TBA
500-6100	900-6700	900-9100	TBA
1700-20800	3100-22900	3100-31000	TBA
240	240	240	240
1-50	1-50	1-50	1-50
Indoor	Indoor	Indoor	Outdoor
10 amp plug	15 amp plug	15 amp plug	NA
2.8	4.1	7.3	TBA
Max 6	Max 7	Max 9	TBA
3.7	5.3	7.4	TBA
Max 8.5	Max 10	Max 13.5	TBA
610	910	1720	TBA
250-1380	250-1610	90-2000	TBA
810	1220	1730	TBA
250-1960	250-2300	90-2660	TBA
1.3	1.8	2.8	TBA
4.252	3.845	3.022	TBA
4.44	3.934	3.61	TBA
★★★★★	★★★★★	★★★★	TBA
★★★★★	★★★★★	★★★★★	TBA
4	4	4	TBA
165	176	194	TBA
Rotary	Rotary	Rotary	Scroll
283	283	283	320
790	790	790	998
230	230	230	228
9.5	9.5	9.5	14
540	540	578	578
790	790	790	790
290	290	300	315
34	36	40	44
40	41	42	TBA
48	49	50	TBA
65	67	68	TBA
R410A	R410A	R410A	R410A
9.52	9.52	12.7	TBA
6.35	6.35	6.35	TBA
15	15	15	TBA
3	3	3	TBA
20	20	20	TBA
15	15	15	TBA
Flare	Flare	Flare	Flare
-10 to 43	-10 to 43	-10 to 43	-10 to 43
-15 to 24	-15 to 24	-15 to 24	-15 to 24

# Room Size Chart

Check your requirements

For future improvement, specifications & designs of product are subject to change without notice. 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

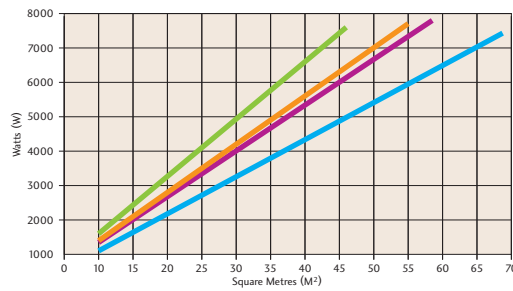
Indoor Temp: 20°C DB  
Outdoor Temp: 7°C DB / 6°C WB

**Note:** The appropriate load will vary according to the region. Use only as a guide.

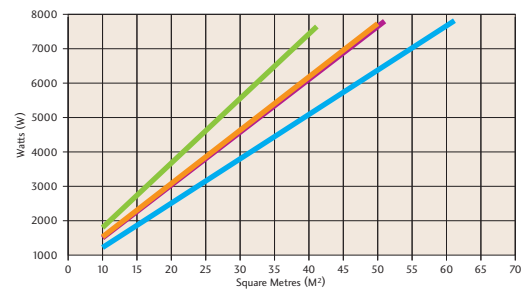
- Small Window Minimum
- Large Window Minimum
- Small Window Maximum
- Large Window Maximum

Please refer to disclaimers on back cover

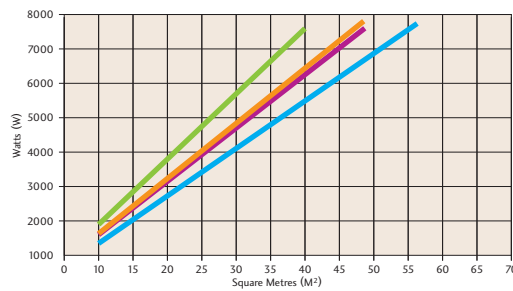
CEILING INSULATED WINDOW NOT FACING WEST



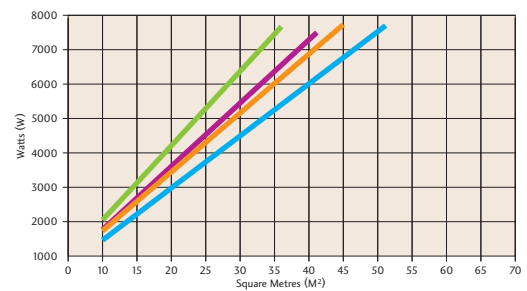
CEILING UNINSULATED WINDOW NOT FACING WEST



CEILING INSULATED WINDOW FACING WEST



CEILING UNINSULATED WINDOW FACING WEST



## INVERTER

## WALL MOUNTED

Type		INVERTER								
Model No.	Indoor Unit	ASTA07JCC	ASTA09JCC	ASTA12JCC	ASTA09LCC	ASTA12LCC	ASTA18LCC	ASTA24LCC	ASTA30LCC	
	Outdoor Unit	AOTR07JCC	AOTR09JCC	AOTR12JCC	AOTR09LCC	AOTR12LCC	AOTR18LCC	AOTR24LCC	AOTR30LCT	
Reverse Cycle System		No	No	No	Yes	Yes	Yes	Yes	Yes	
Cooling Capacity	Watts	2100	2600	3500	2600	3500	5200	7400	8000	
	BTU/h	7200	8900	11900	8900	11900	17700	25300	27300	
Range	Watts	500-2800	500-3300	900-4000	500-3600	900-4300	900-5700	900-8000	2900-9000	
	BTU/h	1700-9600	1700-11300	3100-13700	1700-12300	3100-14700	3100-19400	3100-27300	9900-30700	
Heating Capacity	Watts	-	-	-	3600	4800	6250	8500	9000	
	BTU/h	-	-	-	12300	16400	21300	29000	30700	
Range	Watts	-	-	-	500-5300	900-6700	900-9100	900-10600	2200-11000	
	BTU/h	-	-	-	1700-18100	3100-22900	3100-31000	3100-36200	7500-37500	
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		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	
Plug Size (If Applicable)	Amps	10 amp plug	10 amp plug	10 amp plug	10 amp plug	15 amp plug	15 amp plug	NA	NA	
Running Current	Cooling	Amps	2.7	3.4	4.9	3	4.1	7.3	10.4	11.7
	Range	Amps	TBA	TBA	TBA	Max 6	Max 7	Max 9	Max 12	Max 17
	Heating	Amps	-	-	-	3.9	5.4	7.4	10.2	11.6
	Range	Amps	-	-	-	Max 8.5	Max 10	Max 13.5	Max 17.5	Max 19
Input	Cooling	Watts	570	740	1110	655	920	1720	2460	2660
	Range	Watts	TBA	TBA	TBA	250-1380	250-1610	90-2000	110-2620	580-3600
	Heating	Watts	-	-	-	845	1240	1730	2420	2640
	Range	Watts	-	-	-	250-1960	250-2300	90-2660	110-3680	500-4300
Moisture Removal	l/hr	1.0	1.3	1.8	1.3	1.8	2.8	3	3.4	
E.E.R.	Cooling	3.68	3.51	3.15	3.963	3.801	3.022	3.011	2.989	
C.O.P.	Heating	-	-	-	4.261	3.869	3.61	3.516	3.385	
Star Rating	Cooling	★★★★★	★★★★★	★★★★	★★★★★	★★★★★	★★★★	★★★★	★★★★	
	Heating	-	-	-	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	
Fan Speeds		4	4	4	4	4	4	4	4	
Air Circulation	High	l/s	149	149	150	165	176	194	305	305
Compressor Type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll	Rotary	
Dimensions and Weights	I.U.	Height	mm	257	257	275	275	275	320	320
		Width	mm	808	808	790	790	790	998	998
		Depth	mm	187	187	215	215	215	228	228
		Net Weight	kg	8	8	8.5	9	9	14	14
	O.U.	Height	mm	540	540	540	540	540	578	830
		Width	mm	660	660	790	660	790	790	900
		Depth	mm	290	290	290	290	290	300	330
		Net Weight	kg	30	30	36	32	37	40	44
I.U. Sound Pressure Level	dB(A)@1 mtr	38	38	38	41	42	42	47	47	
O.U. Sound Pressure Level	dB(A)@1 mtr	48	48	49	48	49	50	52	53	
O.U. Sound Power Level	dB(A)	65	65	67	65	67	68	68	69	
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Connection Pipe Sizes	Gas	mm	9.52	9.52	9.52	9.52	9.52	12.7	15.88	15.88
	Liquid	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52
Pre Charged Length	Metre	7.5	7.5	7.5	15	15	15	15	20	
Minimum Pipe Length	Metre	3	3	3	3	3	3	3	5	
Maximum Pipe Length	Metre	15	15	15	20	20	20	30	50	
Maximum Pipe Height	Metre	10	10	10	15	15	15	20	30	
Pipe Connection Methods		Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	
Outdoor operating Temp.	Cooling	Degrees C	18 to 43	18 to 43	18 to 43	10 to 43	10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating	Degrees C	-	-	-	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24



## INVERTER

## MULTI SYSTEM 2/4 ROOM

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



## CONVENTIONAL WALL MOUNTED MULTI

ABT24LBAJ	CASSETTE			OUTDOOR		CONVENTIONAL	
	AUT12LBAB	AUT14LBAB	AUT18LBAB	-	-	AST9FMBDx2	AST9UMBdX2
-	-	-	-	AOT30LMAW4	AOT24LMAM2	AOT19FSCV2	AOT19USCV2
Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
6800	3500	4000	4300	8000	5800	2900	2850
23200	11900	13700	14700	27300	19800	9900	9700
7400	3800	4500	5200	10100	7800	-	-
25300	13000	15400	17800	34500	26600	-	-
8200	3800	4300	5000	9600	6400	-	3250
28000	13000	14700	17100	38200	21900	-	11100
9000	4500	5200	6300	12000	9000	-	-
30700	15400	17800	21150	41000	30700	-	-
240	240	240	240	240	240	240	240
1-50	1-50	1-50	1-50	1-50	1-50	1-50	1-50
Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
-	-	-	-	NA	NA	NA	NA
-	-	-	-	9.3	7.3	4.7	4.6
-	-	-	-	Max 15.7	Max 12.2	NA	NA
-	-	-	-	10.1	6.9	-	4.6
-	-	-	-	Max 15.7	Max 12.2	NA	NA
-	-	-	-	2220	1730	1080	990
-	-	-	-	Max 3580	Max 2920	NA	NA
-	-	-	-	2400	1640	-	1030
-	-	-	-	Max 3580	Max 2920	NA	NA
2.5	1.3	1.5	2	-	-	1	1
-	-	-	-	3.6	3.35	2.69	2.83
-	-	-	-	4	3.9	-	3.16
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	3	3	3	-	-	4	4
244	152	152	172	916	805	144	130
-	-	-	-	Twin Rotary	Twin Rotary	Rotary	Rotary
199	235	235	235	-	-	257	257
990	580	580	580	-	-	808	808
655	580	580	580	-	-	187	187
28	18	18	18	-	-	8	8
-	-	-	-	835	650	700	700
-	-	-	-	900	830	900	900
-	-	-	-	330	320	330	330
-	-	-	-	68	56	61	63
48	42	42	44	-	-	40	36
-	-	-	-	51	49	53	52
-	-	-	-	64	62	65	65
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
15.88	9.52	12.7	12.7	2 x 9.52, 2 x 12.7	1 x 12.7, 1 x 9.52	9.52	9.52
9.52	6.35	6.35	6.35	4 x 6.35	2 x 6.35	6.35	6.35
-	-	-	-	50	30	7.5	7.5
-	-	-	-	5	5	5	5
-	-	-	-	25	20	NA	NA
25	25	25	25	Max Total 70	Max Total 30	15	15
10	10	10	10	10	10	8	8
Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare
-	-	-	-	0 to 43	0 to 43	18 to 43	10 to 43
-	-	-	-	-10 to 24	-10 to 24	-	-5 to 24



### INVERTER

### CASSETTE

### FLOOR/CEILING

Type			INVERTER			INVERTER			
Model No.	Indoor Unit		AUTA18LAT	AUTA24LAT	AUT30LUAS	ABT18LBAJ	ABT24LBBJ		
	Outdoor Unit		AOTA18LACL	AOTA24LACL	AOT30LNAWL	AOT18LMAKL	AOT24LMBDL		
Reverse Cycle System			Yes	Yes	Yes	Yes	Yes		
Cooling Capacity	Watts		TBA	TBA	8500	5200	6500		
	BTU/h		TBA	TBA	29000	17800	22200		
Range	Watts		TBA	TBA	3000-10000	2000-5900	2000-8000		
	BTU/h		TBA	TBA	10200-34100	6800-20100	6800-27300		
Heating Capacity	Watts		TBA	TBA	10000	6200	6800		
	BTU/h		TBA	TBA	34100	21200	23200		
Range	Watts		TBA	TBA	3000-11200	2000-7500	2000-9000		
	BTU/h		TBA	TBA	10200-38200	6800-25600	6800-30700		
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			TBA	TBA	Outdoor	Outdoor	Outdoor		
Plug Size (If Applicable)			TBA	TBA	NA	NA	NA		
Running Current	Cooling	Amps	TBA	TBA	12	7.4	9.4		
		Range	Amps	TBA	TBA	4.6-14.6	3.0 - 8.8	2.8-13.9	
	Heating	Amps	TBA	TBA	11.9	8.3	8.7		
		Range	Amps	TBA	TBA	4.3-14.6	2.8-10.5	2.8-13.9	
Input	Cooling	Watts	TBA	TBA	2860	1700	2150		
		Range	Watts	TBA	TBA	1080-3500	650-1990	650-3300	
	Heating	Watts	TBA	TBA	2840	1900	2500		
		Range	Watts	TBA	TBA	1000-3500	600-2400	660-3300	
Moisture Removal		l/hr	TBA	TBA	3	1.7	2.5		
E.E.R.	Cooling		TBA	TBA	2.906	3.06	3.012		
C.O.P.	Heating		TBA	TBA	3.505	3.26	3.401		
Star Rating	Cooling		TBA	TBA	★★★★	★★★★★	★★★★		
	Heating		TBA	TBA	★★★★★	★★★★	★★★★★		
Fan Speeds			TBA	TBA	3	3	3		
Air Circulation	High	l/s	TBA	TBA	444	217	244		
Compressor Type			TBA	TBA	Twin Rotary	Twin Rotary	Twin Rotary		
Dimensions and Weights	I.U.	Height	mm	570	570	296	199	199	
		Width	mm	570	570	830	990	990	
		Depth	mm	245	245	830	655	655	
		Net Weight	kg	TBA	TBA	37	28	28	
	O.U.	Height	mm	790	790	830	650	900	
		Width	mm	300	315	900	830	900	
		Depth	mm	578	578	330	320	350	
		Net Weight	kg	40	44	64	54	70	
I.U. Sound Pressure Level		dBA@ 1 mtr	TBA	TBA	48	44	49		
O.U. Sound Pressure Level		dBA@ 1 mtr	TBA	TBA	55	52	54		
O.U. Sound Power Level		dBA	TBA	TBA	68	62	65		
Refrigerant			R410A	R410A	R410A	R410A	R410A		
Connection Pipe Sizes	Gas	mm	12.7	15.88	15.88	12.7	15.88		
	Liquid	mm	6.35	6.35	9.52	6.35	9.52		
Pre Charged Length		Metre	TBA	TBA	15	10	10		
Minimum Pipe Length		Metre	TBA	TBA	5	5	5		
Maximum Pipe Length		Metre	TBA	TBA	50	25	25		
Maximum Pipe Height		Metre	TBA	TBA	30	15	15		
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare		
Outdoor operating Temp.	Cooling	Degrees C	TBA	TBA	-10 to 43	0 to 43	0 to 43		
	Heating	Degrees C	TBA	TBA	-10 to 24	-10 to 24	-10 to 24		

## CONVENTIONAL

## WALL MOUNTED

Type			CONVENTIONAL					
Model No.	Indoor Unit	Outdoor Unit	AST18FBBJ	AST18UBBJ	AST24FBBJ	AST24UBBJ	AST30ABAW	AST30RBAW
Reverse Cycle System			No	Yes	No	Yes	No	Yes
Cooling Capacity	Watts		5400	5400	7000	6800	8200	8000
	BTU/h		18400	18400	23900	23200	28000	27300
Heating Capacity	Watts		-	6300	-	7500	-	8800
	BTU/h		-	21500	-	25600	-	30000
Power Supply	Volts		240	240	240	240	240	240
Phase-Frequency	Ph - Hz		1-50	1-50	1-50	1-50	1-50	1-50
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Plug Size (If Applicable)			NA	NA	NA	NA	NA	NA
Running Current	Cooling	Amps	8.8	8.8	10.4	10.4	13.7	13.5
	Heating	Amps	-	9	-	10.7	-	14.4
Input	Cooling	Watts	1950	1950	2450	2420	3100	3140
	Heating	Watts	-	2000	-	2530	-	3250
Moisture Removal		l/hr	2	2	2.5	2.7	3	3
E.E.R.	Cooling		2.774	2.783	2.857	2.81	2.611	2.5
C.O.P.	Heating		-	3.113	-	2.964	-	2.759
Star Rating	Cooling		★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
	Heating		-	★★★★	-	★★★★	-	★★★★
Fan Speeds			3	3	3	3	3	3
Air Circulation	High	l/s	233	233	269	269	306	306
Compressor Type			Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Dimensions and Weights	I.U.	Height	mm	320	320	320	320	320
		Width	mm	1120	1120	1120	1120	1120
		Depth	mm	220	220	220	220	220
		Net Weight	kg	16	16	16	16	16
	O.U.	Height	mm	650	650	650	650	900
		Width	mm	830	830	830	830	900
		Depth	mm	320	320	320	320	350
		Net Weight	kg	47	52	58	59	79
I.U. Sound Pressure Level		dBa@1 mtr	42	42	46	46	48	
O.U. Sound Pressure Level		dBa@1 mtr	52	52	54	54	54	
O.U. Sound Power Level		dBa	64	64	65	65	67	
Refrigerant			R410A	R410A	R410A	R410A	R22	R22
Connection Pipe Sizes	Gas	mm	15.88	15.88	15.88	15.88	15.88	15.88
	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52
Pre Charged Length		Metre	7.5	7.5	7.5	7.5	7.5	
Minimum Pipe Length		Metre	2.5	2.5	2.5	2.5	2.5	
Maximum Pipe Length		Metre	20	20	20	20	30	
Maximum Pipe Height		Metre	8	8	8	8	15	
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare	Flare
Outdoor operating Temp.	Cooling	Degrees C	21 to 43	0 to 43	21 to 43	0 to 43	0 to 43	0 to 43
	Heating	Degrees C	-	-7 to 24	-	-7 to 24	-	-5 to 24

## CONVENTIONAL

## UNDER CEILING

## CASSETTE

Type			CONVENTIONAL		CONVENTIONAL	
Model No.	Indoor Unit	Outdoor Unit	ABT30UBAG	AUT30UUAR	AOT30UNBWL	AOT30UNBWL
Reverse Cycle System			Yes	Yes	Yes	Yes
Cooling Capacity	Watts		8500	8500	8500	8500
	BTU/h		28700	28700	28700	28700
Heating Capacity	Watts		9500	9500	9500	9500
	BTU/h		32400	32400	32400	32400
Power Supply	Volts		240	240	240	240
Phase-Frequency	Ph - Hz		1-50	1-50	1-50	1-50
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor
Plug Size (If Applicable)			NA	NA	NA	NA
Running Current	Cooling	Amps	14.2	14.2	14	14
	Heating	Amps	14	14	14	14
Input	Cooling	Watts	3120	3120	3120	3120
	Heating	Watts	2950	2950	2950	2950
Moisture Removal		l/hr	3	3	3	3
E.E.R.	Cooling		2.712	2.673	2.673	2.673
C.O.P.	Heating		3.205	3.202	3.202	3.202
Star Rating	Cooling		★★★★	★★★★	★★★★	★★★★
	Heating		★★★★	★★★★	★★★★	★★★★
Fan Speeds			3	3	3	3
Air Circulation	High	l/s	403	347	347	347
Compressor Type			Rotary	Rotary	Rotary	Rotary
Dimensions and Weights	I.U.	Height	mm	240	246	246
		Width	mm	1660	830	830
		Depth	mm	700	830	830
		Net Weight	kg	48	34	34
	O.U.	Height	mm	830	830	830
		Width	mm	900	900	900
		Depth	mm	330	330	330
		Net Weight	kg	69	69	69
I.U. Sound Pressure Level		dBa@1 mtr	43	46	46	
O.U. Sound Pressure Level		dBa@1 mtr	54	54	54	
O.U. Sound Power Level		dBa	67	67	67	
Refrigerant Type			R410A	R410A	R410A	R410A
Connection Pipe Sizes	Gas	mm	15.88	15.88	15.88	15.88
	Liquid	mm	9.52	9.52	9.52	9.52
Pre Charged Length		Metre	7.5	7.5	7.5	7.5
Minimum Pipe Length		Metre	5	5	5	5
Maximum Pipe Length		Metre	30	30	30	30
Maximum Pipe Height		Metre	15	15	15	15
Pipe Connection Methods			Flare	Flare	Flare	Flare
Outdoor operating Temp.	Cooling	Degrees C	0 to 43	0 to 43	0 to 43	0 to 43
	Heating	Degrees C	-7 to 24	-7 to 24	-7 to 24	-7 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.

JAS-ANZ



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ISO 9002  
Certified number: JQA-2005



ISO 14001  
Certified number: EC98J1137

Hamamatsu Fujitsu General Ltd.



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