



AUSTRALIA'S FAVOURITE AIR™



AIR CONDITIONING RANGE

Ducted

Cassette

Under Ceiling and Floor Console

Multi Systems

ERV's

If it can be designed, we can air condition it.

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

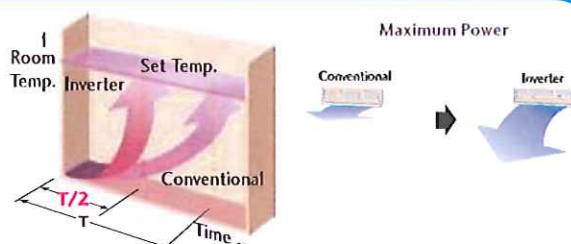
- | | | |
|--|--|--|
|  Up/Down Swing Louvre The up/down louvre automatically swings up and down. |  Sleep Timer The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night. |  Control Port External inputs and outputs contained within the product allow on/off control, fresh air interlock connection and heater bank element connection. UTD-ECSSA* (optional parts) |
|  Right/Left Swing Louvre The right/left louvre automatically swings in either direction. |  Program Timer This timer allows selection of one of four options. ON, OFF, ON → OFF, or OFF → ON. |  V-PAM V-Pam Inverter technology increases the maximum output of the compressor significantly and enables high power and high efficiency. |
|  Double Swing Automatic Complex swing action of the louvres enables them to swing automatically in both horizontal and vertical directions. |  ON-OFF Timer ON-OFF timer can be set to operate once every 24 hours. |  I-PAM I-Pam inverter technology enables high output and high efficiency performance. |
|  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. |  Weekly Timer Different on-off times can be set for up to 7 days. |  Apple-catechin Filter |
|  Auto Shut Louvre The auto shut louvres close or open automatically when the unit stops or starts. |  Weekly + Setback Timer Weekly + Setback timer can set temperature for two time spans and for each day of the week. |  Long-life Ion Deodorisation Filter |
|  Automatic Air Flow Adjustment The micro-processor adjusts the airflow to follow changes in room temperature. |  Connectable Distributing Duct Conditioned air can be distributed to adjacent areas by means of a distribution duct. |  Washable Panel |
|  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. |  Connectable Fresh Air Duct Allows introduction of fresh air to occupied space. |  Blue Fin Heat Exchanger Corrosion-resistance of the heat exchanger in coastal areas has been improved by blue fin treatment of the outdoor unit heat exchanger. |
|  Auto-Changover The unit automatically switches between heating and cooling modes based on the temperature setting and room temperature. |  Fresh Air Intake Fresh air can be taken in by a fan which can be connected using UTD-ECSSA* (optional parts). |  All DC With All DC, electricity loss is decreased and power consumption reduced. |
|  Economy Mode Limits the maximum operation current, and performs operation with the power consumption suppressed. |  Energy Saving Mode This mode raises the set temperature slightly in the cooling mode and lowers the set temperature in the heating mode to economically control the operation of the unit. |  Air Clean Filter |
| |  Filter sign Indicates the filter cleaning period by lamp. |  Cooling |
| | |  Heating |

Inverter Technology

What's an Inverter?

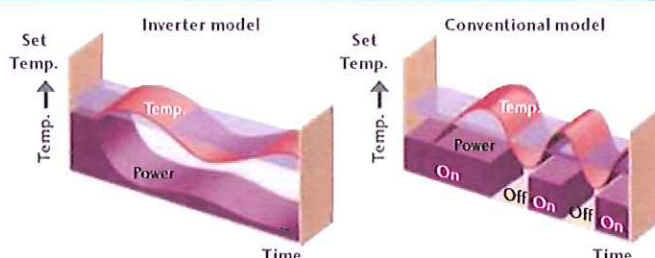
Through new, advanced technology, Inverter air conditioners are more economical to operate and quieter to run than conventional units. They can handle greater extremes in temperature, are smoother and more stable in operation and reach the desired temperature more quickly than conventional air conditioners.

Room warming speed



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.

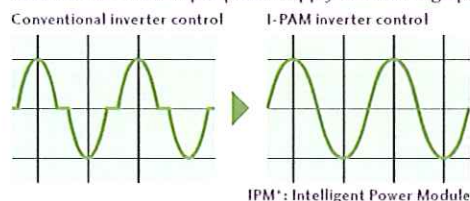


Optimised Inverter Control



I-PAM (IPM*+PAM) Inverter Control

I-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform. This promotes the effective use of the input power supply to attain high performance.



In addition, the voltage is raised at the start of operation and fast comfort is attainable by more powerful operation.



This technology enables miniaturisation and high performance of the compressor.



V-PAM (Vector+I-PAM) Inverter Control

V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturisation, higher efficiency, and better performance are attained.

More compact than conventional models



Vector I-PAM

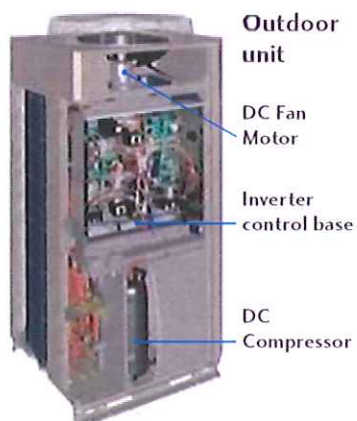


It becomes more powerful with the newly developed high efficiency compressor motor control.

All DC Components



By utilising a DC Compressor and Fan Motor, electricity loss is decreased and power consumption is substantially reduced. In addition, by increasing the air flow on high speed, the heat exchanger efficiency has been improved which has reduced the overall annual power consumption.



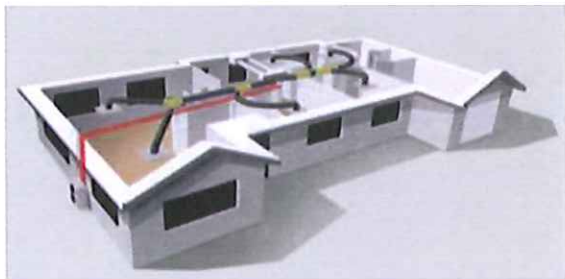
High Efficiency DC Twin Rotary Compressor

A high performance, low noise, large capacity DC Twin Rotary Compressor is used for the large three phase ducted systems. The New DC Twin Rotary Compressor has a substantially increased refrigerant intake and compression efficiency which allows for an improvement in overall system energy efficiency.



About Ducted Systems

What is a ducted air conditioner?



Fujitsu ducted systems are able to deliver comfort to every room in your home by using a system of ductwork installed in your ceiling space. Also, by only requiring one outdoor unit, they take up minimal space outside of your home. Talk to a Fujitsu specialist today about a ducted system – your whole house air conditioning solution.

Cool vs Reverse

Fujitsu air conditioners are great for keeping you cool in summer, but did you know they are also one of the most cost effective ways of warming your home in winter? Unlike other traditional heaters, they can warm your home faster and more efficiently. In winter when running on heating mode the process is "reversed". Reverse cycle air conditioners absorb heat from the outside, and transfers that heat to the indoor environment keeping you warm in winter. Fujitsu air conditioners are designed to cool or heat your home even in the most extreme conditions. This makes a Fujitsu air conditioner the perfect comfort solution, all year around.



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 operate via a wall mounted LCD control that controls all functions of the system.

Invisible comfort

Whatever shape 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
- Reverse cycle heating and cooling
- Visually appealing
- Quiet operation
- Concealed installation
- Easy-to-use LCD controller.

New ARTG High Static ducted features

Space saving

Compact Size

High performance has been realised with a compact indoor/outdoor unit.

Due to the compact size of the indoor and outdoor unit, the installation space required has been reduced allowing for a wider selection of installation locations.

INDOOR UNIT



OUTDOOR UNIT



Control options



Standard



Option

Dual remote controllers (optional)

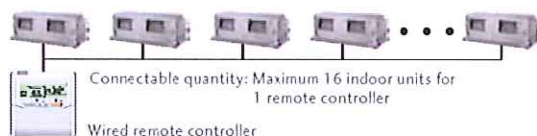
An additional remote controller can be added up to the maximum of two remote controllers. The timer functions can only be used on the control which was chosen as the master controller during installation.



Group control

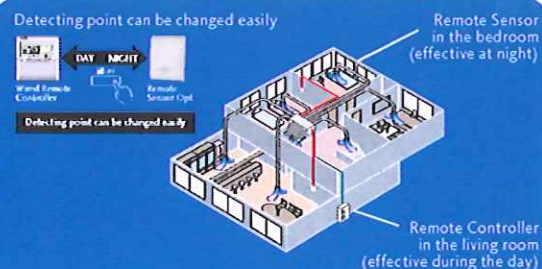
One remote controller can control up to 16 air conditioners. All of the air conditioners will be operated with the same settings.

Example of ducted system configuration



Room temperature control

- Remote controller has temperature sensor built in.
- User can select between Remote Controller temperature sensor and Return Air Sensor on unit.
- Return Air Sensor on unit can be replaced with Wall Mounted Remote Sensor (optional part UTY-XSZX).



Quiet operation

The Indoor Fan noise has been reduced due to the new designed structure of the indoor unit.

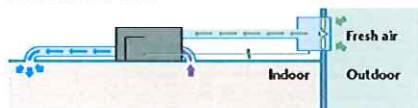
| Previous model | New model |
|----------------|-----------|
| 49dB(A) | 45dB(A) |

*ARTG54L at 100pa, fan mode: Hi

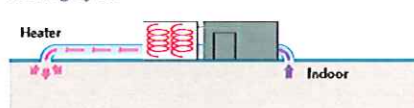
External control

Indoor functions

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.

Cobalt Heat exchanger



Hydrophillic coating
Cobalt Blue protection
Standard cromate protection
Aluminium base material

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

Wide outdoor operating range

Cooling and heating operation can be performed at low ambient conditions

Cooling
Min -5°C to Max 46°C

Heating
Min -15°C to Max 24°C



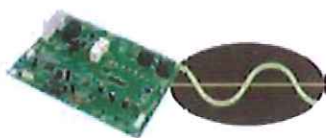
DC Fan Motor

High performance and high efficiency compact DC fan motor.



Sine wave DC inverter control

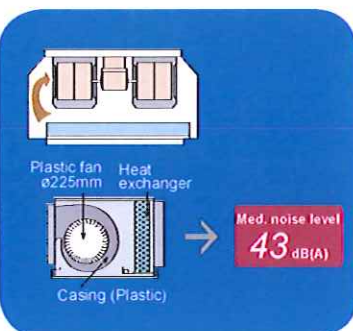
High efficiency operation is realised by using a sine wave DC inverter control.



Low Noise

Low noise indoor unit:

The design of the indoor unit allows for a less turbulent air flow. Low noise is achieved by the adaptation of plastic fan and case.



Low noise outdoor unit:

Introduction of a low outdoor noise operation mode allows the outdoor unit to have two quiet mode operation settings.



Inverter Ducted – High Static Inverter Ducted – High Static – 3 Phase

| INVERTER | | | | INVERTER | | | | |
|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| ARTG30LHTA | ARTG36LHTA | ARTG45LHTA | ARTG54LHTC | ARTG36LHTB | ARTG45LHTB | ARTG60LHTA | ARTC72LATU | ARTC90LATU |
| AOTG30LATL | AOTG36LATL | AOTG45LATL | AOTG54LCTL | AOTG36LATT | AOTG45LATT | AOTG60LATT | AOTA72LALT | AOTA90LALT |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 9,000 | 10,500 | 12,500 | 14,000 | 10,500 | 12,500 | 15,000 | 20,300 | 25,000 |
| 30,700 | 35,800 | 42,700 | 47,800 | 35,800 | 42,700 | 51,200 | 69,300 | 85,300 |
| 4,700-10,000 | 5,000-11,400 | 5,700-14,000 | 6,200-15,200 | 5,000-11,400 | 5,700-14,000 | 6,200-17,500 | 10,800-23,500 | 11,200-28,000 |
| 16,000-34,100 | 17,100-38,900 | 19,500-47,800 | 21,200-51,900 | 17,100-38,900 | 19,500-47,800 | 21,200-60,000 | 36,800-80,200 | 38,200-95,500 |
| 11,200 | 12,100 | 14,000 | 16,000 | 12,100 | 14,000 | 18,000 | 22,600 | 28,000 |
| 38,200 | 41,300 | 47,800 | 54,600 | 41,300 | 47,800 | 61,500 | 77,100 | 95,500 |
| 5,000-12,100 | 5,100-14,000 | 6,000-16,000 | 6,200-18,000 | 5,100-14,000 | 6,000-16,200 | 6,200-20,000 | 12,000-26,500 | 12,500-31,500 |
| 17,100-41,300 | 17,400-47,800 | 20,500-54,600 | 21,200-61,500 | 17,400-47,800 | 20,500-55,300 | 21,200-68,300 | 40,900-90,400 | 42,600-107,500 |
| 240 | 240 | 240 | 240 | 415 | 415 | 415 | 415 | 415 |
| 1-50 | 1-50 | 1-50 | 1-50 | 3-50 | 3-50 | 3-50 | 3-50 | 3-50 |
| Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor |
| NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 11.4 | 13.4 | 16.9 | 18.4 | 4.6 | 5.5 | 6.7 | 9.3 | 11.5 |
| Max 18.1 | Max 19.6 | Max 22.5 | Max 23.5 | Max 9.0 | Max 11.0 | Max 12.5 | Max 22.8 | Max 25.8 |
| 12.4 | 13.9 | 16 | 18.3 | 4.8 | 5.3 | 7.3 | 9.3 | 12.1 |
| Max 18.1 | Max 20.1 | Max 22.5 | Max 23.5 | Max 9.0 | Max 11.0 | Max 12.5 | Max 22.8 | Max 25.8 |
| 2,700 | 3,180 | 4,030 | 4,400 | 3,180 | 3,820 | 4,700 | 6,250 | 7,820 |
| Max 4,300 | Max 4,670 | Max 5,380 | Max 5,630 | Max 5,630 | Max 6,370 | Max 7,400 | Max 10,100 | Max 12,500 |
| 2,950 | 3,300 | 3,800 | 4,370 | 3,300 | 3,670 | 5,150 | 6,270 | 8,240 |
| Max 4,300 | Max 4,800 | Max 5,380 | Max 5,630 | Max 5,630 | Max 6,370 | Max 7,400 | Max 10,100 | Max 12,500 |
| 1 | 1.5 | 1 | 1 | 1.5 | 1.5 | 2.0 | 4.5 | 6.0 |
| 3.33 | 3.3 | 3.1 | 3.18 | 3.30 | 3.27 | 3.19 | 3.25 | 3.20 |
| 3.8 | 3.67 | 3.68 | 3.66 | 3.67 | 3.81 | 3.50 | 3.60 | 3.40 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 695 | 695 | 903 | 986 | 695 | 903 | 986 | 1,195 | 1,347 |
| Twin Rotary | Twin Rotary | Twin Rotary | Twin Rotary | DC Twin Rotary | DC Twin Rotary | DC Twin Rotary | DC Twin Rotary | DC Twin Rotary |
| 400 | 400 | 425 | 425 | 400 | 425 | 425 | 450 | 550 |
| 1,050 | 1,050 | 1,250 | 1,250 | 1,050 | 1,250 | 1,250 | 1,587 | 1,587 |
| 500 | 500 | 490 | 490 | 500 | 490 | 490 | 700 | 700 |
| 39 | 39 | 54 | 54 | 39 | 54 | 54 | 100 | 110 |
| 1,290 | 1,290 | 1,290 | 1,290 | 1,290 | 1,290 | 1,290 | 1,690 | 1,690 |
| 900 | 900 | 900 | 900 | 900 | 900 | 900 | 930 | 930 |
| 330 | 330 | 330 | 330 | 330 | 330 | 330 | 765 | 765 |
| 86 | 86 | 86 | 93 | 104 | 104 | 104 | 215 | 215 |
| 41 | 41 | 43 | 45 | 41 | 43 | 45 | 47 | 49 |
| 52 | 52 | 55 | 55 | 51 | 54 | 56 | 57 | 58 |
| 67 | 68 | 69 | 70 | 67 | 68 | 71 | 75 | 78 |
| R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| 15.88 | 15.88 | 15.88 | 15.88 | 15.88 | 15.88 | 15.88 | 25.4 | 25.4 |
| 9.52 | 9.52 | 9.52 | 9.52 | 9.52 | 9.52 | 9.52 | 12.7 | 12.7 |
| 20 | 20 | 20 | 30 | 30 | 30 | 30 | 20 | 20 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 50 | 50 | 50 | 75 | 75 | 75 | 75 | 75 | 75 |
| 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Flare | Flare | Flare | Flare | Flare | Flare | Flare | Brazed | Brazed |
| -5 to 46 | -5 to 46 | -5 to 46 | -15 to 46 | -15 to 46 | -15 to 46 | -15 to 46 | -5 to 46 | -5 to 46 |
| -15 to 24 | -15 to 24 | -15 to 24 | -15 to 24 | -15 to 24 | -15 to 24 | -15 to 24 | -15 to 24 | -15 to 24 |