

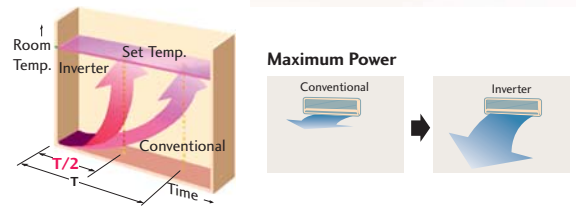
Inverter technology



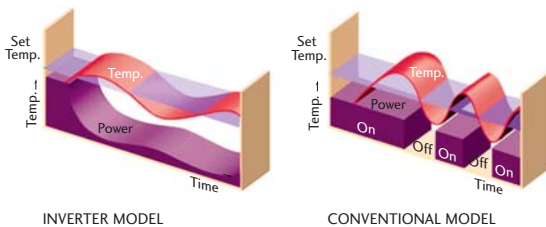
What's an inverter?

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.

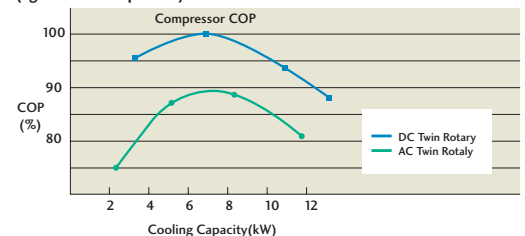
DC twin rotary compressor

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

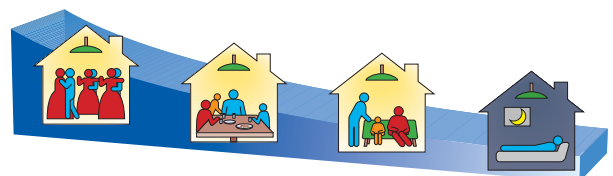


High Energy Efficiency

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.

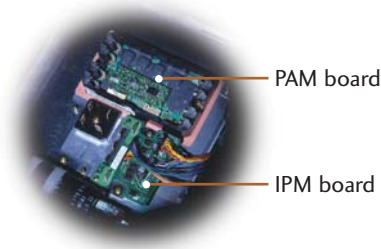


I-PAM

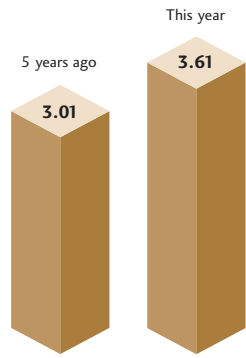


Through advances in our inverter technology, Fujitsu has now introduced I-PAM (Intelligent Power Module-Pulse Amplitude Modulation) technology. I-PAM is able to extract superior performance capabilities by adding an IPM board to conventional inverter PAM control.

I-PAM control panel

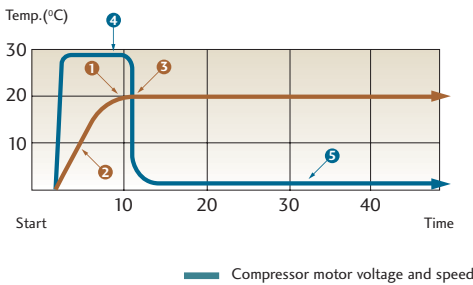


COP
(Coefficient of Performance)

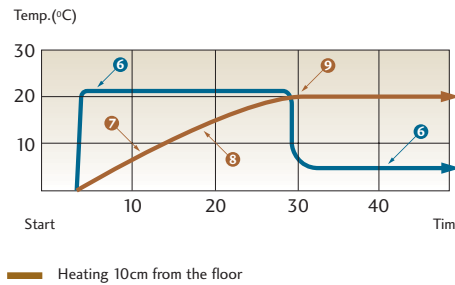


Energy saving and speedy heating only possible by I-PAM

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

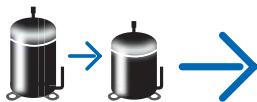
V-PAM



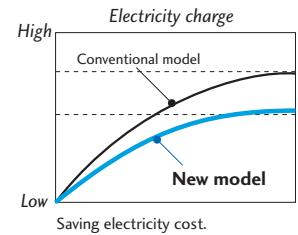
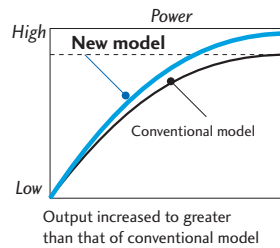
V-PAM inverter increases the maximum output of the compressor significantly and enables high power and high efficiency.



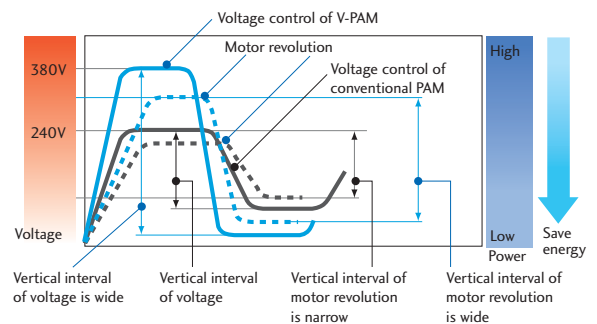
G V-PAM
V-PAM technology makes the compressor more powerful.



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.