

## Wall inverter type (wall mounted)



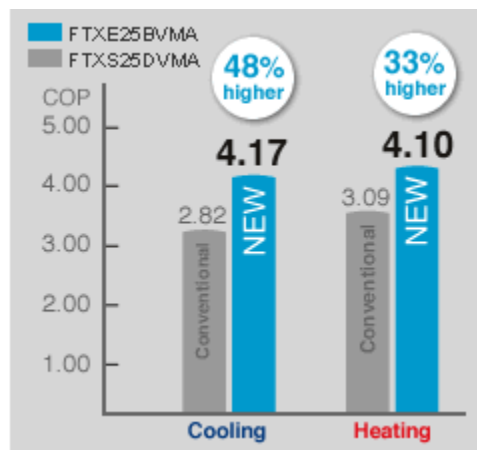
New wall Inverter Series  
50/60 Hz cooling & heat pump air conditioners  
with DC inverter power control

## A Refreshingly Simple Design



The DC Inverter series achieves high COP's thanks to its reluctance DC compressor motor, DC fan motor and Swing compressor. This series also delivers a range of energy-saving functions, including Intelligent eye and the Econo mode .


## Reluctance DC Inverter Power Control Achieves High COP's



The DC Inverter series achieves high COP's thanks to its reluctance DC compressor motor, DC fan motor and Swing compressor. This series also delivers a range of energy-saving functions, including intelligent eye and the Econo mode.

## Quiet Operation


Daikin has achieved significantly lower sound levels for both the indoor and outdoor units. This function decreases the operation sound level by 3 dB below the Low setting.

Indoor unit	
Ex.: FTK (X) S25E	
	
Fan speed	Sound level
High (H)	37dB
Low (L)	25dB
Quiet (SL)	22dB

3 dB down

### Indoor unit quiet operation

This series offers the choice of "5-step", "Silent" or "Automatic" fan speeds. This wide range of settings allows multi-level control of the fan speed to suit your requirements. For example, Outdoor unit quiet operation decreases the sound level 3 dB below the "Low" setting guarantees you a good night's sleep.

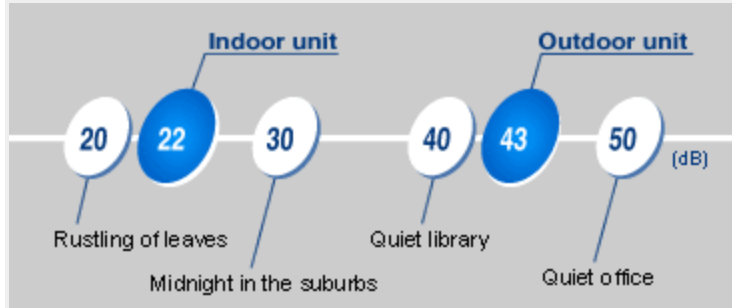
Outdoor unit	
Ex.: RK (X) S25E	
	
Operation	Sound level
Rated (H)	46dB
Quiet (L)	43dB

3 dB down

### Outdoor unit quiet operation

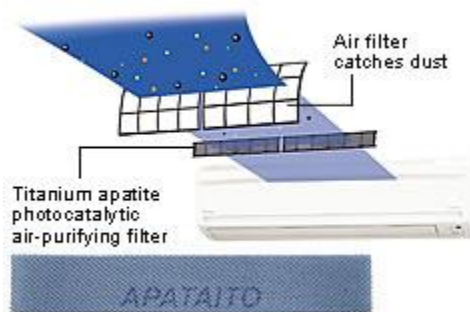
Outdoor unit quiet operation is now available in all outdoor models from the 2.5 to 7.1 kW class. This function decreases operation sound 3 dB below the rated operation, and provides an ultra-low 43 dB for the RKS25D. (Capacity may decrease when Outdoor unit quiet operation is selected.)

## 22 dB Is so quiet, you can even hear a whispers



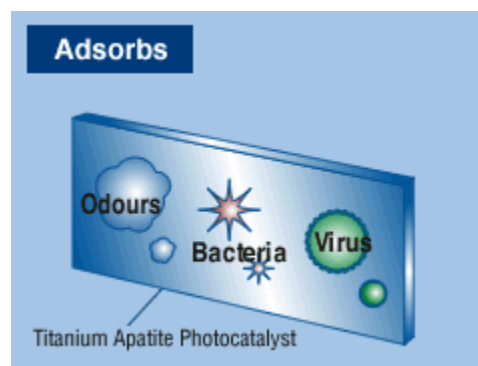
## Advanced Photocatalytic Air Purifying

The range of clean features includes the Photocatalytic air-purifying filters, Mould-Proof Operation and Wipe-Clean Flat Panel.



## Titanium apatite Photocatalytic air-purifying filter

Titanium apatite is a new photocatalytic material with superior adsorption power. Besides mould and odours, titanium apatite also effectively adsorbs and decomposes bacteria and viruses across its entire surface. The photocatalyst is activated simply by exposure to natural light.

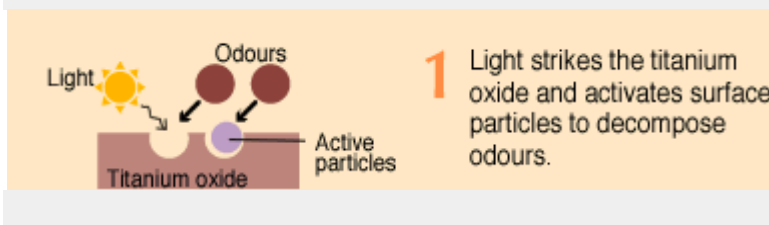


## Effect of Titanium Apatite Photocatalyst

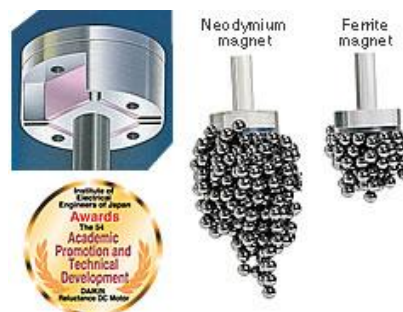
Titanium Apatite Photocatalyst contains apatite, which thoroughly adsorbs bacteria and viruses. The powerful oxidizing power of the photocatalyst enables it to break down odour components instantly. Viruses are removed by being turned into clumps of protein.

## Photocatalytic deodorising filters are made of titanium oxide.

Photocatalytic deodorising filters are made of titanium oxide. When titanium oxide is exposed to light, a powerful oxidizing action occurs. This decomposes substances adsorbed on the filter surface into odorless carbon dioxide and water.



## Three Energy-Saving Technological Features



## Reluctance DC motor and DC fan motor

Energy efficiency is improved through a reluctance DC compressor motor with powerful Neodymium magnets that are approximately 10 times stronger than ferrite magnets. A DC motor with fine rotational control is used as the fan motor to further reduce energy consumption.



## Swing compressor

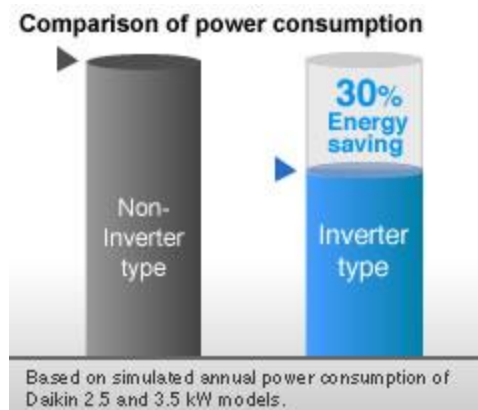
Energy efficiency is increased by reducing operational friction and refrigerant gas leakage while minimizing noise levels.



## PAM control

Pulse Amplitude Modulation (PAM) control reduces energy loss by controlling how often the converter switches on and off.

## Advantages of Using an Inverter



## Energy saving

Inverter Power Control maximises capacity to quickly reach the set temperature and minimises the power required to maintain the set temperature. Daikin Inverter Power Control reduces power consumption by approximately 30% compared to non-inverter air conditioners.

## More powerful

Daikin Inverter Power Control uses its full capacity at startup to quickly reach the set temperature and cool the room faster.

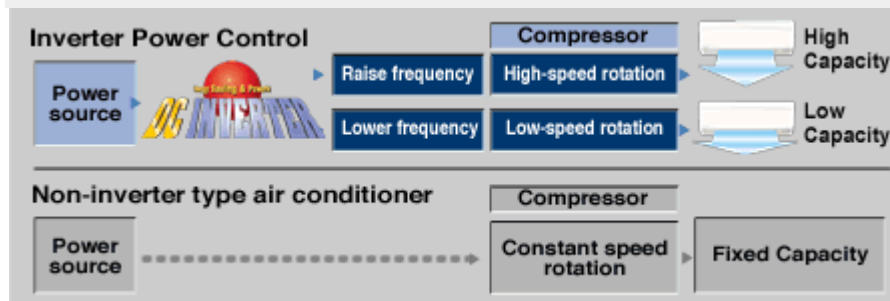


## More precise control

As soon as Inverter Power Control reaches the set temperature, it finely adjusts capacity to eliminate temperature fluctuations and offer greater comfort.

## Variable Capacity Operation

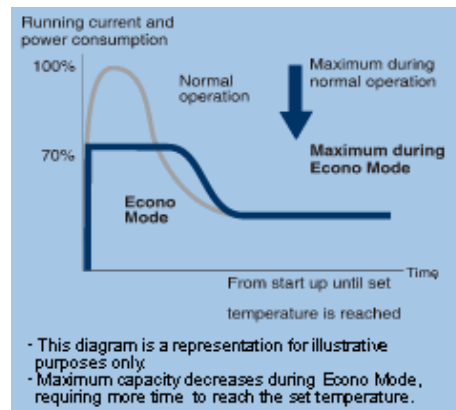
Inverter air conditioners are able to vary their operating capacity. Non-inverter air conditioners can only operate at a fixed capacity.





## Intelligent eye

By detecting human movement in a room with its infrared sensor, Intelligent eye prevents wasted energy if, for example, you forget to turn off the air conditioner. When there is no movement, temperature is increased 2比 佬, resulting in Energy savings of up to 20%. All models, from the 2.5 to 7.1 kW class, are equipped with Intelligent eye.



## Econo mode

This function limits both the maximum running current and maximum power consumption to 70% of those during normal operation. It is particularly effective if the cooling/heating load is high, for example, at start up or during large gatherings and periods of direct sunshine. At the same time, it maintains maximum capacity at 80% of normal, giving improved operating efficiency, although it may take slightly longer to reach the set temperature.

Econo mode is also useful for preventing circuit breakers from being overloaded during temporary peaks in the running current. The function is easily activated from the remote controller by pushing the ECONO button

## FEATURES

### Comfortable Airflow



Power-airflow dual flaps

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Wide-angle louvers

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Vertical auto-swing

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Horizontal auto-swing

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3-D airflow

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### Lifestyle Convenience



Econo mode

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Inverter powerful operation

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Home leave operation

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Indoor unit on/off switch

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### Cleanliness



Titanium apatite photocatalytic air-purifying filter

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## Mould-proof operation

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Wipe-clean flat panel

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Mould-proof air filter

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## Comfort Control



Indoor unit quiet operation

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Outdoor unit quiet operation

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Intelligent eye

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Automatic operation

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Programmeme dry function

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Auto fan speed

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## Worry Free



Auto-restart after power failure

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Self-diagnosis with digital display

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Anticorrosion treatment of outdoor heat exchanger fins

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## Timers



**24-hour on/off timer**

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**Night set mode**

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## Others

**Quick warming function**

**Automatic defrosting**

**Hot-start function**

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