



FTKF Series

**R32** INVERTER

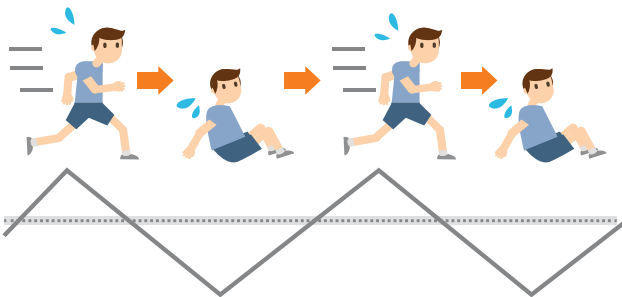
## What is Inverter Technology?

An inverter is a device for converting frequency. The technology is used in many home appliances and controls the electric voltage and frequency. Inverter air conditioner can vary cooling capacity by adjusting the power supply frequency of compressor. In contrast, non-inverter air conditioner have a fixed cooling capacity and can only control the indoor temperature by starting or stopping the compressor. As a result, inverter air conditioner is more energy-saving and comfortable to use compared to non-inverter air conditioner.

## Energy Saving

In non inverter model, compressor will rotate at a fixed speed while constantly switching between on and off. However, the Inverter compressor's rotating speed will accelerate and decelerate, instead of turning on and off excessively, for fast cooling and energy conservation, respectively.

### Non Inverter



Non Inverter can be represented by a person who is constantly switching between fast running and stopping which wastes a lot of energy.

### Inverter



Inverter can be represented by a person who is jogging lightly but in a steady pace which allows the person to save energy for the long run.

## Fast Cooling

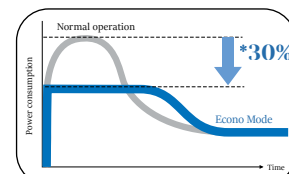
Daikin's fast cooling technology allows you to jumpstart your cooling experience, by reducing the time needed to pull down air leaving temperature. During start-up, this feature reduce approximately 40% timing to provide fast cooling effect. Compressor frequency will be maintained at maximum as long as set temperature is not achieved.



\* Comparison of FTKF25 with conventional 1.0hp Inverter model  
 \* Condition:  
 1) Outdoor temperature 35°C Dry Bulb.  
 2) Indoor air leaving temperature from 35°C to 26°C Dry Bulb.

## Econo Mode

The "ECONO" mode is an intelligent feature that ensures optimum energy consumption while fulfilling basic human comfort needs. It reduces the maximum power consumption by approximately 30% during activation and helps to reduce power consumption if the cooling load is high, for example, during large gatherings of people and periods of direct sunshine.



Condition of Energy Saving during "ECONO" Mode:  
 % of power consumption is compared to the rated power input of each capacity. Therefore the % is different for each capacity. \*30% power consumption saving is minimum value.

Example :  
 If 1hp model rated power input at 1000W, when "ECONO" is activated, the system will limit power input at maximum 700W only.

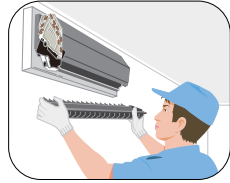
## Green Tea Filter

This filter is infused with catechin extracted from green tea. This substance deactivate bacteria and virus captured on the filter surface. On top of that, this substance stop any mildew grow on the filter surface.



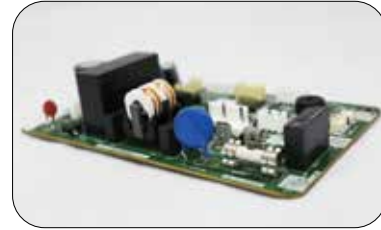
## Removable Drain Pan

The drain pan collects condensation from the indoor heat exchanger fins. Removable drain pan helps to reduce the cleaning time and ensure better serviceability.



## Durable PCB

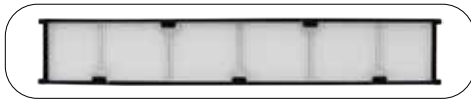
Printed circuit board (PCB) is known as the "brain" of our Inverter system and consist the critical electronic components. In the FTKF Series, the newly designed PCB is tested and verified with higher voltage surge tolerance, thus ensuring a longer life span of PCB with reliability improvement.



## Dust Collection Filter (PM 2.5) (optional accessories)

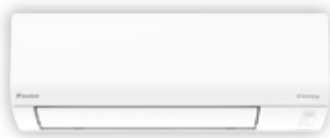
PM 2.5 filter removes particles that are size of 2.5 micrometers ( $\mu\text{m}$ ) and above. For example, particles like dusts, pollens and mold which are small enough to be inhaled into our lungs.

Note: A human hair size is 50-70  $\mu\text{m}$  in diameter.



## Daikin Mobile Controller (optional accessories)

Simplify your life with Daikin mobile controller application. It lets you manage Daikin air conditioners from anywhere, helping to maintain a comfortable home environment while saving energy. With just a simple WiFi connection, you can now create the perfect climate for your home.



FTKF25-60AV1



ARC486A1



Model	Indoor unit		FTKF25AV1	FTKF35AV1	FTKF50AV1	FTKF60AV1	
	Outdoor unit		RKF25AV1	RKF35AV1	RKF50AV1	RKF60AV1	
Cooling capacity	Rated (Min-Max)	Btu/h	9,000 (3,400 - 9,200)	12,300 (4,100 - 13,000)	18,000 (5,200 - 18,500)	24,000 (6,600 - 24,500)	
		kW	2.64 (1.00 - 2.70)	3.60 (1.20 - 3.81)	5.28 (1.52 - 5.42)	7.03 (1.93 - 7.18)	
Power supply		V/Ph/Hz	220-240V/1 phase /50Hz (Power from Indoor)				
Running current	Rated	A	3.93	5.37	8.24	8.61	
Power consumption	Rated	W	860	1,200	1,880	1,965	
Refrigerant			R32				
EER		W/W	3.07	3.00	2.81	3.58	
Indoor	Airflow	H	cfm	340	400	430	640
	Sound pressure level	H/M/L/Quiet	dB(A)	39/33/26/21	39/34/26/21	42/39/32/29	43/41/36/30
	Dimensions	H x W x D	mm	280 x 730 x 213	288 x 770 x 234	288 x 770 x 234	297 x 990 x 273
Outdoor	Machine weight		kg	8.5	9.0	9.5	13.0
	Sound pressure level		dB(A)	48	49	52	52
	Dimensions	H x W x D	mm	418 x 695 x 244	550 x 658 x 273	615 x 845 x 300	615 x 845 x 300
	Machine weight		kg	19.0	21.0	33.0	37.0
Piping connections	Liquid	mm	6.4				
	Gas	mm	9.5		12.7		
Maximum piping length		m	20		30		
Maximum piping elevation		m	15		20		

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