

**Warning**

- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

根據 ASHRAE STANDARD 34，R32 屬於輕度易燃製冷劑。消費者如購買該類產品，請留意及確認室內機安裝高度及室內空間最少建築面積，應向供應商、代理商或具有處理相關雪種經驗的技術人員聯絡，安排進行安裝、檢查或維修。

Consumers shall consult supplier, agents or his authorized technicians for installation, inspection and maintenance for this type of product. Consumers shall pay attention to installation height and minimum floor area for such product's indoor unit installation. R32 is classified as mildly flammable refrigerant according to ASHRAE STANDARD 34.

Daikin Airconditioning (Hong Kong) Ltd.

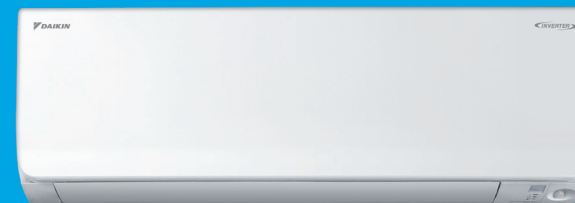
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Split Type Air Conditioner

FTKC Series

Cooling Only [50 Hz]



DC Inverter Control **R-32**



A New Cool Life with Coanda and Refrigerant R-32

Even if you set a comfortable temperature, staying in a room for too long can leave you feeling cold. Even at the same temperature, you will feel cold if air lands directly on your body. Our Coanda panel can deliver air up to nine metres without it touching you. This makes it possible to quickly achieve a comfortable temperature with a gentle airflow.

Using next-generation R-32 refrigerant has also helped us to create air conditioners which are more energy-saving and have less impact on global warming. This is the beginning of a new type of cutting-edge air conditioning, and a new wonderfully cool life for you.

Features

1. Effective, whole room cooling with Coanda panel
2. Next-generation refrigerant R-32
3. Inverter technology with high energy ratings
4. Advanced Intelligent Eye with infrared sensor
5. Outdoor unit unaffected by unstable power supplies
6. Optional dust collection filter suitable for PM 2.5



The Coanda panel's new shape creates airflow along the ceiling. This allows the air to spread out across the whole room without creating uncomfortable drafts.

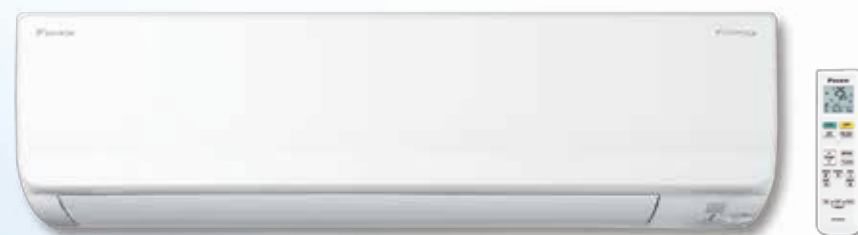
FTKC Series

Cooling Only

R-32

INVERTER

COANDA series



FTKC50/60/71TAV1N



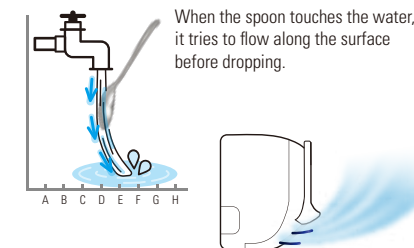
FTKC25/35TAV1N



What Is the Coanda Effect?

The Coanda effect causes a stream of air or liquid to be attracted to a nearby surface. A faucet and spoon provide a simple example. If you turn on the faucet and let the spoon touch the water, it will try to flow along the spoon's inner curve.

The Coanda panel creates a similar effect. However, in this case, the shape of the panel bends the airflow up along the flaps towards the ceiling. This allows the air to be delivered much further than with standard flaps.



Innovative Technologies: Top Energy Ratings



FTKC25/35TAV1N



RKC25/35TAV1N



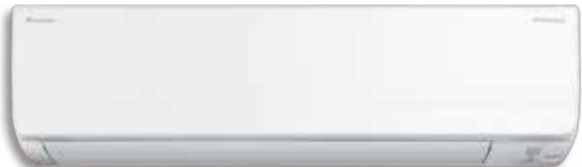
2.5 kW class FTKC25TAV1N / RKC25TAV1N

Cooling Capacity	Rated (Min.-Max.)	kW	2.5 (1.0-3.4)
		Btu/h	8,500 (3,400-11,600)
CSPF			5.40
COP			3.67



3.5 kW class FTKC35TAV1N / RKC35TAV1N

Cooling Capacity	Rated (Min.-Max.)	kW	3.5 (1.3-4.1)
		Btu/h	11,900 (4,400-14,000)
CSPF			5.35
COP			3.65



FTKC50/60/71TAV1N



RKC50/60/71TAV1N



5.0 kW class FTKC50TAV1N / RKC50TAV1N

Cooling Capacity	Rated (Min.-Max.)	kW	5.2 (1.4-6.0)
		Btu/h	17,700 (4,800-20,500)
CSPF			5.73
COP			3.80



6.0 kW class FTKC60TAV1N / RKC60TAV1N

Cooling Capacity	Rated (Min.-Max.)	kW	6.0 (1.4-6.7)
		Btu/h	20,500 (4,800-22,900)
CSPF			5.49
COP			3.45



7.1 kW class FTKC71TAV1N / RKC71TAV1N


Cooling Capacity	Rated (Min.-Max.)	kW	7.1 (2.1-7.5)
		Btu/h	24,200 (7,200-25,600)
CSPF			5.40
COP			3.00



Inverters: Lower Power Consumption

Grade 1 Energy Labels for All Models

The FTKC series achieves COPs of 3.00 to 3.80 thanks to Daikin's DC Inverter control and next-generation R-32 refrigerant. All models have earned Hong Kong's highest grade 1 energy labels.

	Model	CSPF	COP
	FTKC25TAV1N	5.40	3.67
	FTKC35TAV1N	5.35	3.65
	FTKC50TAV1N	5.73	3.80
	FTKC60TAV1N	5.49	3.45
	FTKC71TAV1N	5.40	3.00

What Are COP and CSPF?

An air conditioner's COP (coefficient of performance) indicates how efficiently the unit uses energy. An air conditioner's CSPF (cooling seasonal performance factor) is the annual operating efficiency under conditions close to the actual conditions for specific applications (buildings, etc.) and operating periods. It represents the integral cooling capacity per kilowatt hour of power consumption for an air conditioner that operates under fixed conditions throughout the year. A higher COP and CSPF means greater energy efficiency. It also means lower electricity consumption, and of course lower power bills.

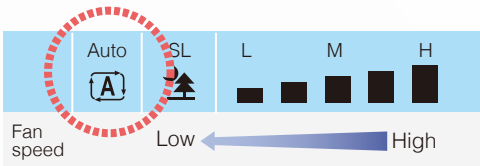
$$\text{COP} = \frac{\text{Total capacity (W)}}{\text{Power consumption (W)}}$$

$$\text{CSPF} = \frac{\text{Total capacity during cooling (kWh)}}{\text{Total power consumption during cooling (kWh)}}$$

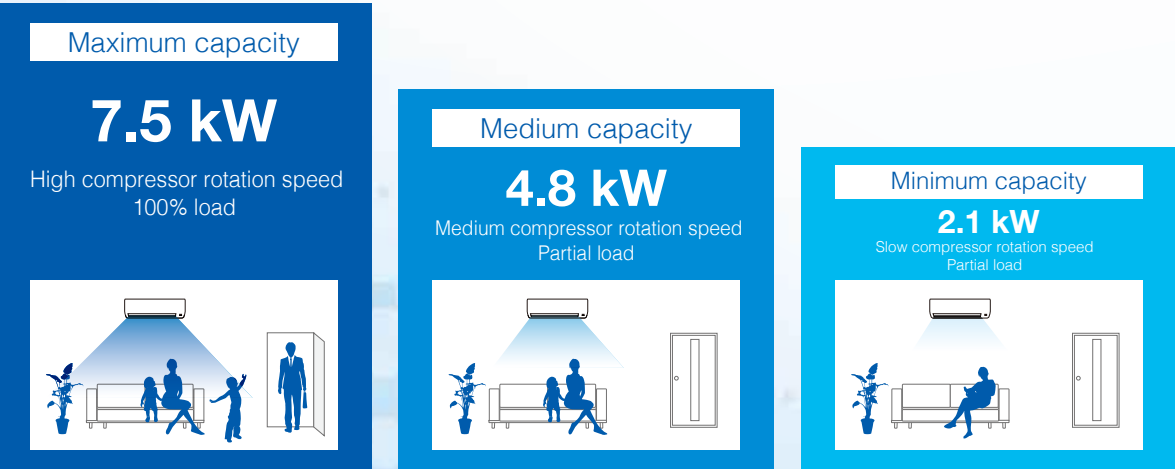
Lower Electricity Consumption

Inverters are devices which are able to vary their capacity by adjusting operating frequency. This allows inverter air conditioners to cut electricity use compared to non-inverter models. An inverter system can help to noticeably reduce household power bills.

If you select Auto Fan Speed, your inverter air conditioner will operate at maximum efficiency without any further setting. It will not start and stop its compressor to maintain the room temperature. You can also go out of the room for a short time without any worries.

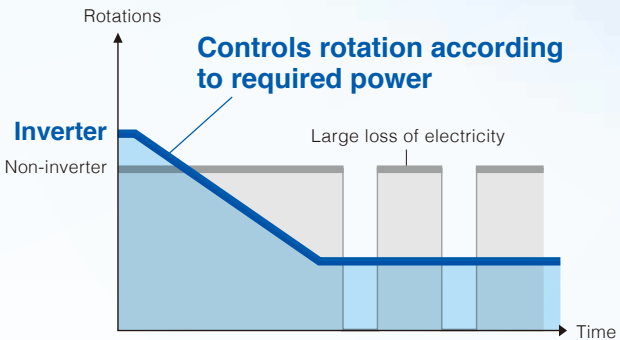


FTKC71TAV1N



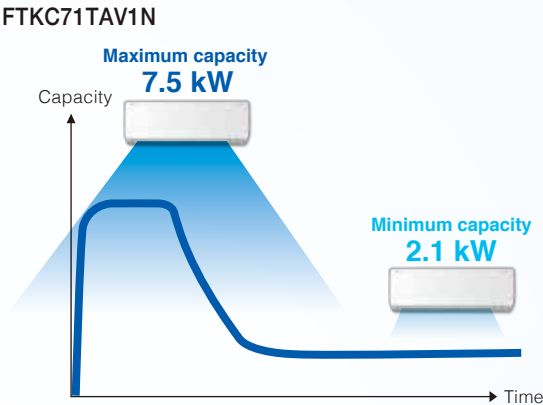
No Starting and Stopping

Inverter air conditioners vary their capacity by adjusting the rotation speed of their compressors. In contrast, non-inverter models have a fixed capacity and can only control the room temperature by starting or stopping their compressors.



Powerful and Energy Saving

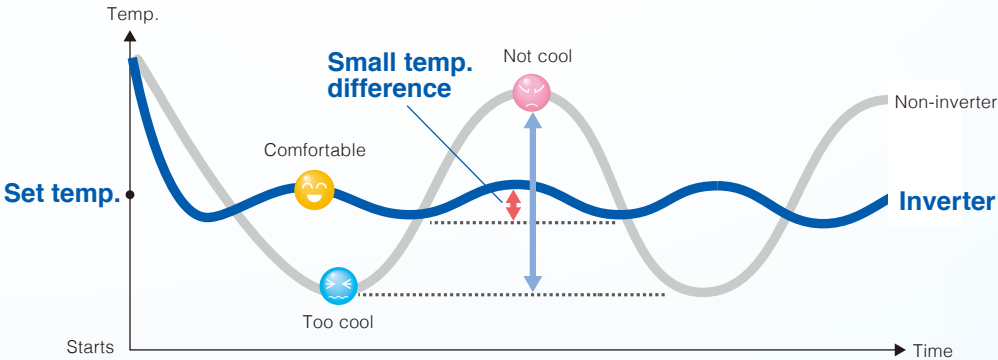
Inverter models operate at maximum capacity (100% load) to quickly reach the set temperature. They then reduce operation to low capacity (partial load), which is sufficient to maintain the set temperature. This allows inverter models to reach the set temperature more quickly and operate at low capacity (partial load) most of the time.



Constant Comfort

Inverter models finely adjust their capacity according to the heat load, minimising the difference between the set temperature and room temperature. This ensures higher comfort levels than with non-inverter models.

Temperature fluctuation during cooling operation



Next-Generation Refrigerant R-32

As the sole worldwide manufacturer of both air conditioning equipment and refrigerants, Daikin is continuously researching refrigerants as well as new technologies which can reduce energy consumption. Use of refrigerants with a lower impact on global warming is urgently required as climate change has become one of the most critical global issues. Daikin has now adopted R-32. This next-generation refrigerant does not deplete the ozone layer and has a lower impact on global warming.

Zero Ozone Layer Depletion

The ozone layer surrounds the Earth and helps to absorb the harmful ultraviolet rays in sunlight. Although R-22 (HCFC) refrigerant had been used in air conditioners and refrigerators, it damages the ozone layer and its use is to be mostly eliminated by 2020. To replace R-22, Taiwan, Japan and European countries with more progressive regulations selected R-410A (HFC). However, R-410A also has issues related to its high global warming potential.

Refrigerant	R-22	R-410A	R-32
Ozone depletion potential	0.05	0	0
Global warming potential ¹	1,810	2,090	675

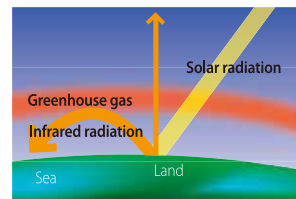
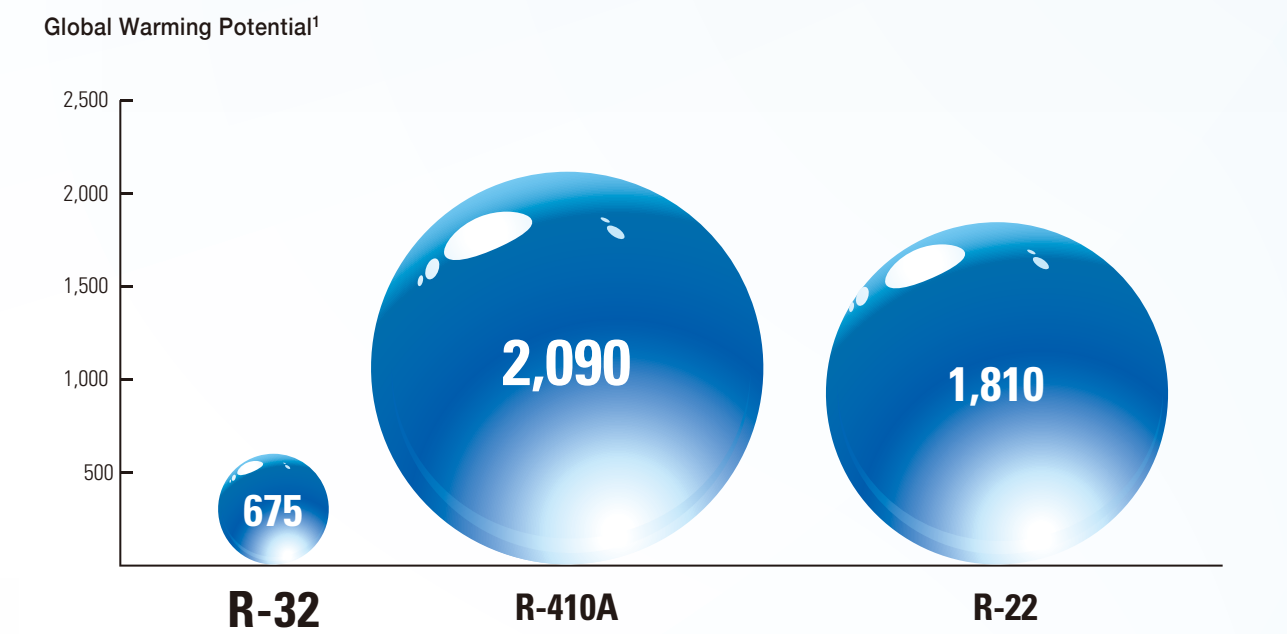
Daikin Promotes R-32 Worldwide

To encourage use of R-32 refrigerant, we have released basic patents on air conditioner production and sales free of charge. This is intended to help manufacturers in each country produce new systems. We also provide technical and background seminars and other programs designed to support R-32 adoption.



Less Impact on Global Warming

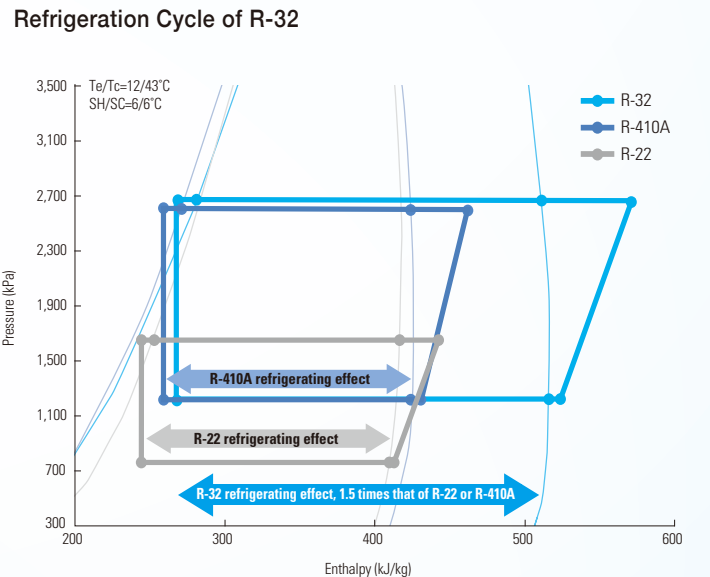
The Earth retains solar heat in the daytime for warming and then releases this heat at night, allowing it to maintain an optimal temperature range. However, with greenhouse gases increasing, it is more difficult to discharge heat and the planet is gradually becoming warmer. This is called global warming. R-32 has only around 30% of the global warming potential of R-410A and R-22.



Greenhouse gases cause damage which allows solar radiation to pass through the Earth's outer atmosphere while also trapping infrared radiation. These gases rapidly increase and interfere with the Earth's ability to release heat into space, causing the ambient temperature to rise.

Increased Energy Efficiency

The potential refrigerating effect of R-32 is 1.5 times that of R-22 or R-410A. Thus the piping diameter can be smaller.



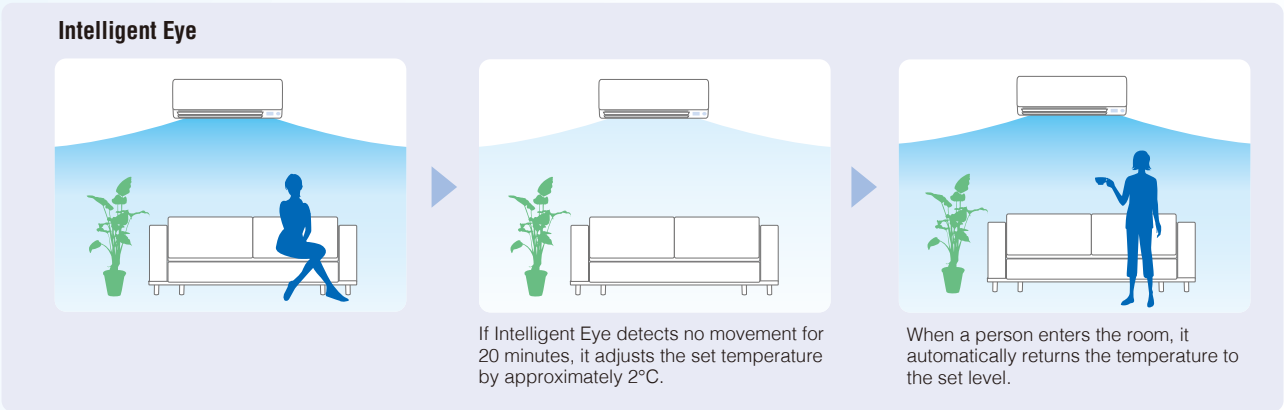
Note: 1. Global warming potential values are based on the Fourth Assessment Report from the Intergovernmental Panel on Climate Change (IPCC).

Energy-Saving Functions: Day and Night



Intelligent Eye (auto energy saving)

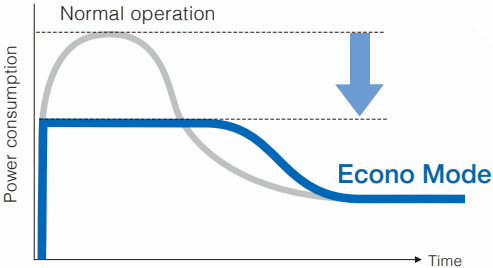
Intelligent Eye prevents energy wastage by using its infrared sensor to detect human movement in a room. If there is no movement for 20 minutes, it automatically adjusts the set temperature by approximately 2°C. Once Intelligent Eye is turned on, it operates automatically without any further setting.



Econo Mode

This function limits the maximum power consumption. It helps to reduce power usage if the cooling load is high, for example, at startup or during large gatherings and periods of direct sunshine.

Maximum capacity decreases during Econo Mode, requiring more time to reach the set temperature.



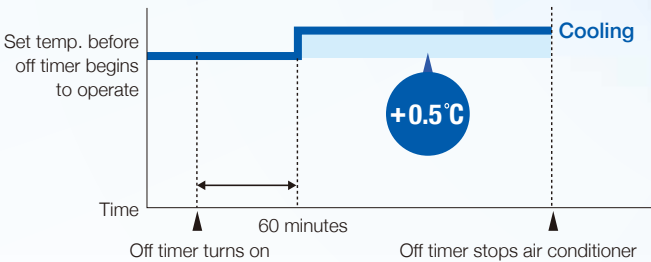
Standby Electricity Saving

Electrical appliances still use a certain amount of power even when they are waiting in standby mode. Recognising this, Daikin has developed the Standby Electricity Saving function to reduce this hidden power consumption.



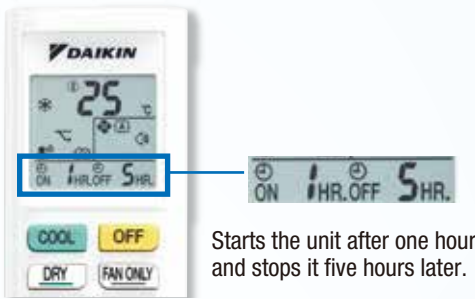
Night Set Mode

Pressing the off timer button automatically selects Night Set Mode. This function prevents excessive cooling for a pleasant sleep. Sixty minutes after the off timer button is pressed, the room temperature is raised by 0.5°C.



Count Up-Down On/Off Timer

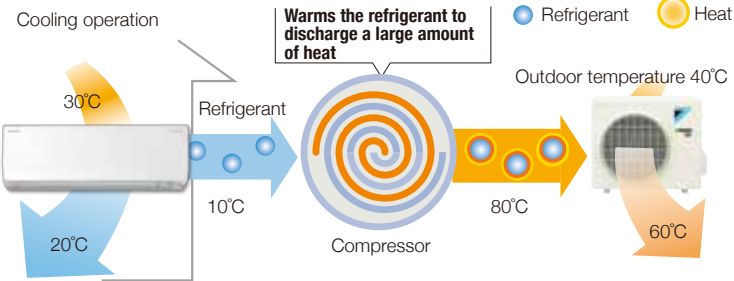
The operation start and stop times can be set with the touch of a single button and preset for a period of one to 12 hours in one hour increments. When the off timer is set, Night Set Mode is activated automatically.



Starts the unit after one hour and stops it five hours later.

High-Efficiency Motors Create Energy Savings

During rapid cooling, the motor for the compressor increases the rotation speed to rapidly warm the refrigerant by condensing it and allow heat to be discharged outdoors. The motor accounts for 90% of the power consumption of an air conditioner. This makes high-efficiency motors a critical point for energy savings.



To discharge a large amount of heat outdoors, the refrigerant temperature must be higher than the outdoor temperature of 40°C. In this case, the temperature of the refrigerant returned from the indoor unit is 10°C. The refrigerant is heated to 80°C so the heat can be discharged easily.

Airflow Control: The Key to Your Comfort



Comfort Airflow Mode

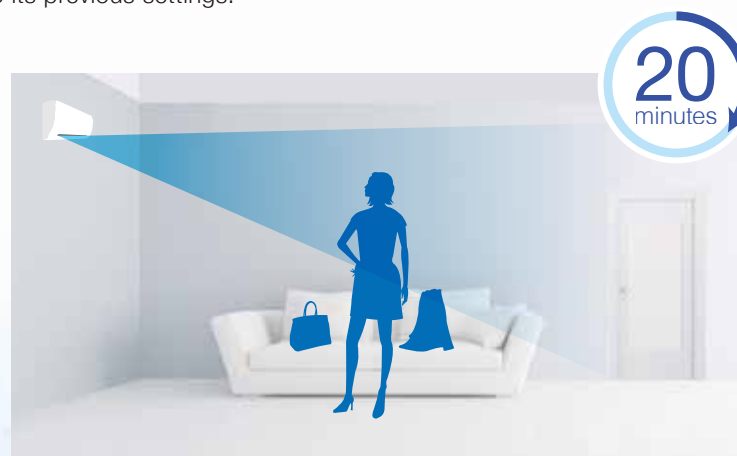


Comfort airflow mode prevents unpleasant drafts from blowing directly onto the human body. During cooling operation, the flap moves upwards to prevent cold drafts. The new shape of the Coanda Panel also helps to create airflow along the ceiling. This airflow rapidly achieves a uniform temperature in each corner of the room.



Inverter Powerful Operation

Inverter Powerful Operation boosts airflow to maximum volume for a 20 minute period. This function is convenient for quickly adjusting the indoor temperature to the set temperature. After 20 minutes, the unit automatically returns to its previous settings.



Power-Airflow Flap and Power-Airflow Dual Flaps

The Power-Airflow Flap flattens out during cooling operation to deliver air to every part of a room. Selecting the low angle sends air right to the corners, while choosing the high angle spreads air around the centre. The 5.0, 6.0 and 7.1 kW class models for large rooms feature dual flaps.

The Power-Airflow Flap is available for the FTKC25/35TAV1N.

The Power-Airflow Dual Flaps are available for the FTKC50/60/71TAV1N.



When you choose the low angle, cool air slides off to reach the corners of the room.



When you choose the high angle, cool air spreads around the centre of the room.



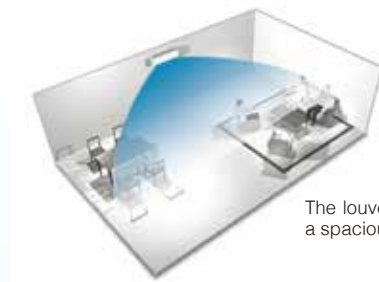
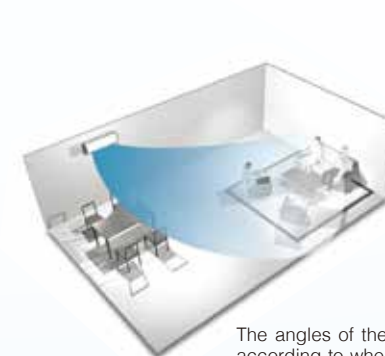
Vertical Auto-Swing (up and down)

Vertical Auto-Swing automatically moves the flap up and down to reduce temperature fluctuations in a room. The flap shuts automatically when the air conditioner is turned off.



Wide-Angle Louvers

The Wide-Angle Louvers provide effective airflow coverage no matter where the indoor unit is placed in a room. The louvers deliver cool air right to the corners. The angles of the louvers can be freely adjusted by hand according to where people are in the room.



The louvers cover even a spacious room.

The angles of the louvers can be freely adjusted according to where people are in the room. If the indoor unit is not positioned in the centre of the wall, the louvers can be set to the left or right.

Advanced Filtering: Easy to Keep Air Clean

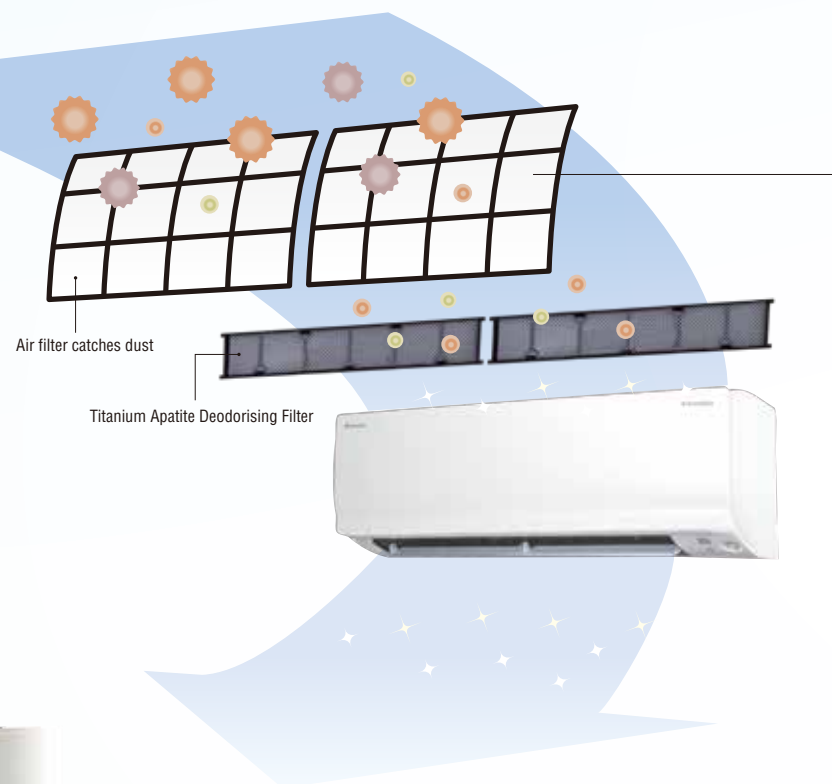


Titanium Apatite Deodorising Filter

While the filter's micron-level fibres trap dust, titanium apatite effectively adsorbs odours and allergens, as well as deodorises odours. This filter delivers consistent performance for approximately three years if it is washed with water once every six months.



This filter is not a medical device. Benefits such as the adsorption of odours and allergens and deodorisation of odours are only effective for substances which are directly attached to the Titanium Apatite Deodorising Filter.



Mould-Proof Air Filter

The air filter is impregnated with a mould preventative. The substance stops any growth, increase in number or activity by mould on the filter surface.



Removable Drain Pan

The drain pan collects condensation formed on the indoor heat exchanger fins. The drain pan can be removed easily without any disassembly. This design dramatically reduces cleaning time and ensures a perfect finish.



The drain pan and louvers can be easily detached after simply removing the front panel and screws.

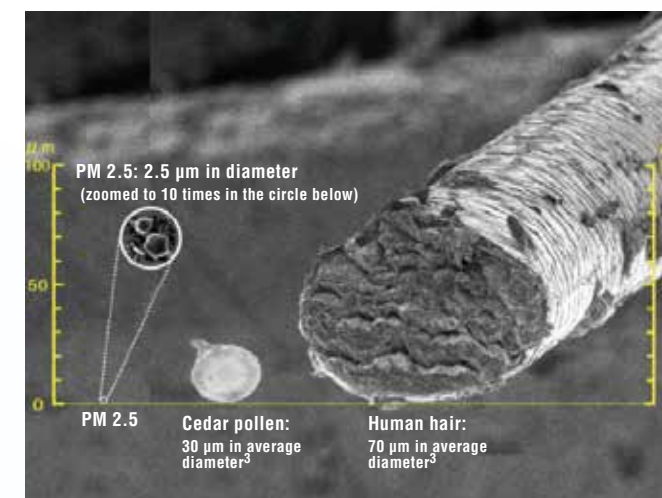


Dust Collection Filter (PM 2.5)¹ (optional accessory)

This filter removes PM 2.5, particulate matter which is smaller than 2.5 micrometres (µm). 1 µm is equal to 1/1,000 mm. PM 2.5 is small enough to be breathed deep into the lungs. The filter can not be cleaned and we recommend replacing it every six months.



How Small Is PM 2.5?²



PM 2.5 is directly produced when substances are burned in boilers, incinerators, heaters and vehicle and ship engines. It also occurs when sulphur and nitrogen oxides emitted by the combustion of fuel in thermal power plants and vehicle and ship engines react with light and ozone in the air.

Notes:

1. This filter is not a medical device and it does not have any certification. The effectiveness of the filter depends on the room conditions and usage of the air conditioner.
2. The picture is sourced from the Bureau of Environment of the Tokyo Metropolitan Government, http://www.kankyo.metro.tokyo.jp/air/air_pollution/torikumi/pm2_5/pm2_5.html
3. The figures are sourced from the Office of Research and Development of the US Environmental Protection Agency.



Odour Removal

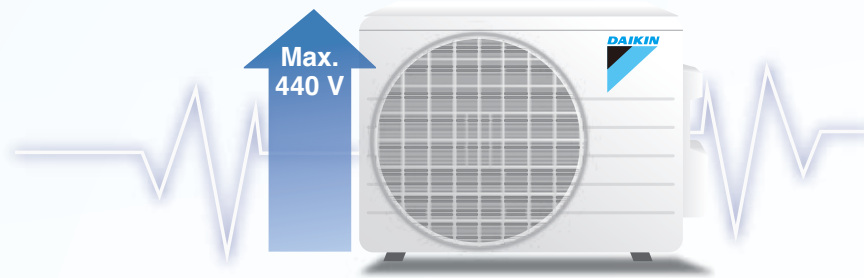
When your system first starts up, this function operates the compressor of the outdoor unit before the indoor unit. This helps to moisten odour-causing substances in the indoor unit so they can be easily discharged through the drain to outdoors. This function is activated automatically when you push the start button if Auto Fan Speed is set.

Durable and Worry Free



Stabiliser Free

The outdoor unit's highly durable electronic circuit eliminates the need for a stabiliser. It can handle overload voltage of up to 440 V, offering reliable protection against dangerous overvoltage. It also protects outdoor unit devices such as the fan motor and compressor.

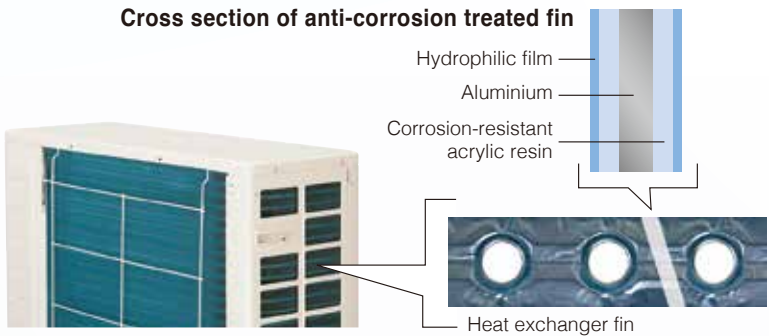


When the voltage is higher than the operable range, the air conditioning system switches itself off. When the voltage is adjusted back to its original value, the system automatically starts operating again.



Anti-Corrosion Treatment of Outdoor Heat Exchanger

The outdoor unit's heat exchanger fins are processed using a special anti-corrosion treatment. The surface is covered with a thin acrylic resin layer to provide enhanced resistance to acid rain and salt corrosion.



Auto-Restart after Power Failure

The air conditioner memorises the settings for the operation mode (cooling, dry and fan only), airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.



Self-Diagnosis with Remote Controller

Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

Quiet Operation Sounds



Indoor Unit Quiet Operation

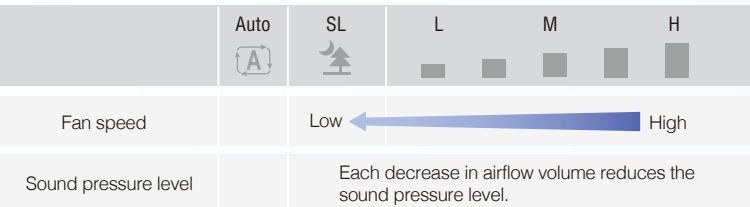
The FTKC series gives you a choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation, which decreases the sound pressure level by 4 to 7 dB(A) below the Low setting.

This wide range of settings allows you to precisely control the fan speed according to your needs. For example, the Quiet function will help you to sleep more comfortably at night. The sound pressure level is just 19 dB(A) for the FTKC25 model.

FTKC25TAV1N during cooling operation

Fan speeds	Sound pressure levels
High (H)	39 dB(A)
Low (L)	25 dB(A)
Quiet (SL)	19 dB(A)

6 dB(A)



Outdoor Unit Quiet Operation

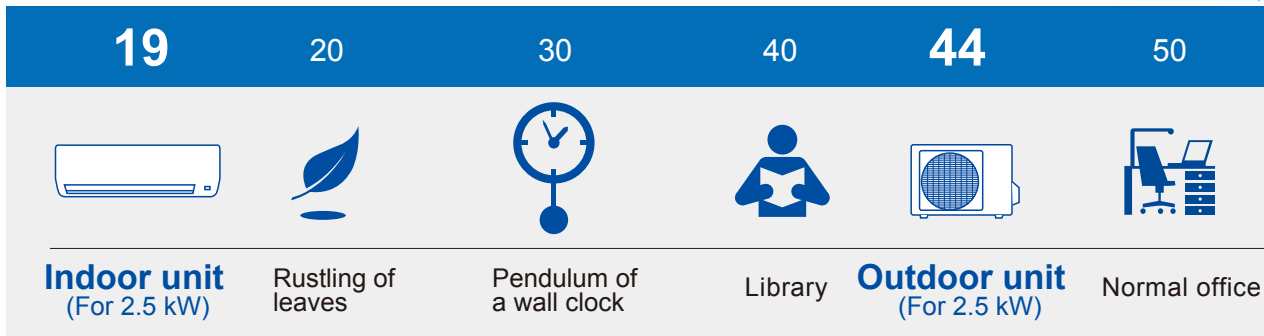
This function decreases the sound pressure level by 3 to 7 dB(A) below the rated operation. It provides a sound pressure level of 44 dB(A) for the RKC25 model. Capacity may decrease when Outdoor Unit Quiet Operation is selected.

RKC25TAV1N

Operations	Sound pressure levels
Rated (H)	47 dB(A)
Quiet (SL)	44 dB(A)

3 dB(A)

19 dB(A) is so quiet you can even hear whispers¹

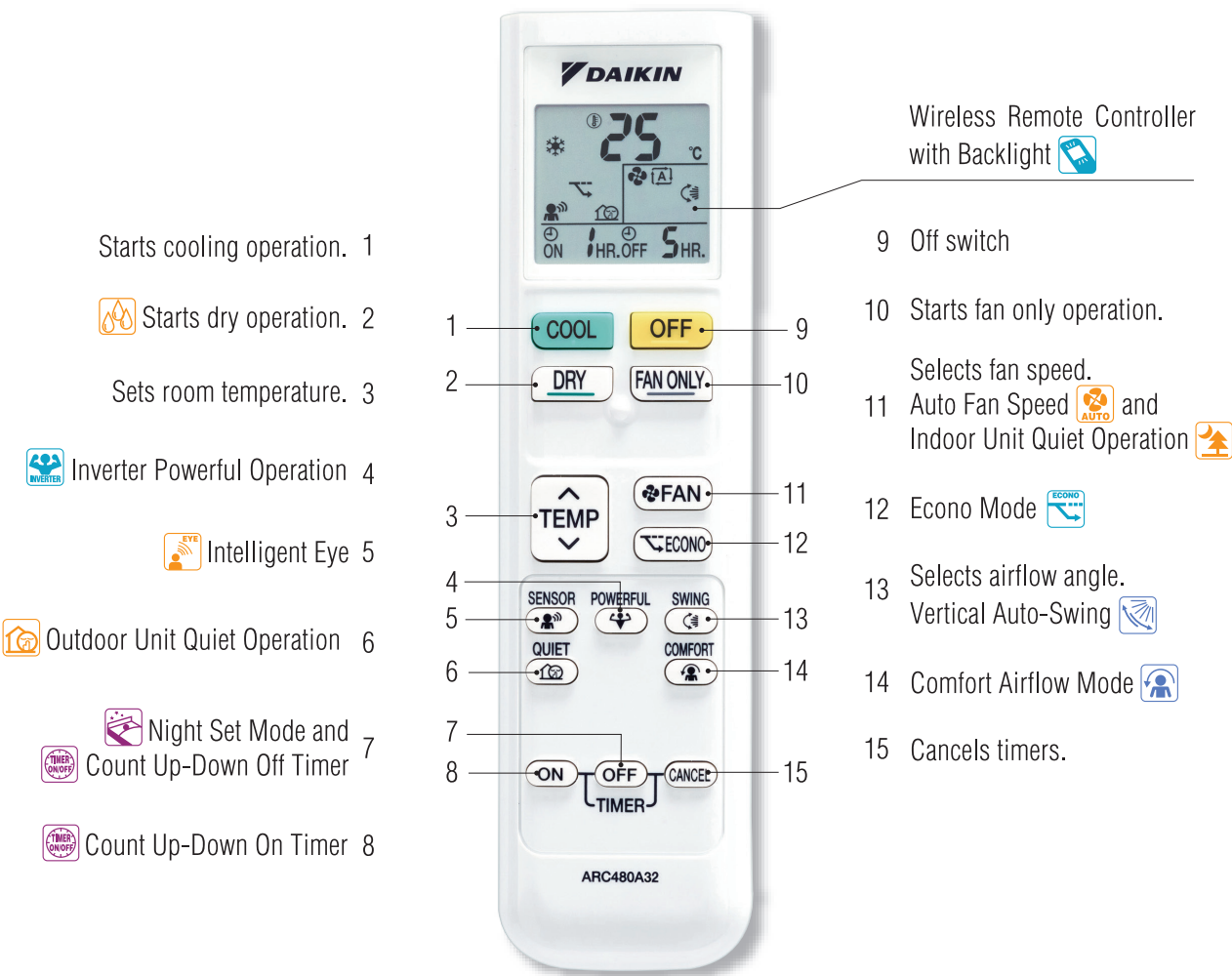


Note: 1. Based on "Examples of Sound Pressure Levels", Ministry of the Environment, Japan, November 2002.

Wireless Remote Controller

FTKC Series Cooling Only

FTKC25/35/50/60/71



Easy to operate wireless remote controller

All functions are located on the front surface of this wireless remote controller for quick access. Its backlit LCD and luminous button allow easy operation in the dark.



The luminous button is easy to see in the dark.



The rounded controller is easy to operate.

Function List

Indoor Unit		FTKC	
		Cooling Only	
Functions	Models	FTKC25/35	FTKC50/60/71
Comfortable Airflow	DC Inverter Control	●	●
	Power-Airflow Flap	●	
	Power-Airflow Dual Flaps		●
	Wide-Angle Louvers	●	●
	Vertical Auto-Swing (up and down)	●	●
Comfort Control	Comfort Airflow Mode	●	●
	Indoor Unit Quiet Operation	●	●
	Auto Fan Speed	●	●
	Intelligent Eye (auto energy saving)	●	●
Lifestyle Convenience	Programme Dry Function	●	●
	Standby Electricity Saving	●	●
	Econo Mode	●	●
	Inverter Powerful Operation	●	●
	Wireless Remote Controller with Backlight	●	●
Cleanliness	Wireless Remote Controller with Luminous Button	●	●
	Daikin Mobile Controller (optional adaptor)	●	●
	Indoor Unit On/Off Switch	●	●
	Titanium Apatite Deodorising Filter	●	●
	Dust Collection Filter (PM 2.5) (optional accessory)	●	●
Timers	Mould-Proof Air Filter	●	●
	Odour Removal	●	●
	Wipe-Clean Flat Panel	●	●
	Removable Drain Pan	●	●
Worry Free	Count Up-Down On/Off Timer	●	●
	Night Set Mode	●	●
	Auto-Restart after Power Failure	●	●
	Self-Diagnosis with Remote Controller	●	●

Outdoor Unit		RKC	
Functions	Models	RKC25/35	RKC50/60/71
Comfort Control	Outdoor Unit Quiet Operation	●	●
Worry Free	Stabiliser Free	●	●
	Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins	●	●

Functions

Comfortable Airflow



Power-Airflow Flap

The Power-Airflow Flap flattens out during cooling operation to deliver cool air to the corners of a room.

► See page 12



Power-Airflow Dual Flaps

The Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room.

► See page 12



Wide-Angle Louvers

The Wide-Angle Louvers provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room.

► See page 12



Vertical Auto-Swing (up and down)

This function automatically moves the flaps up and down to distribute air across a room.

► See page 12



Comfort Airflow Mode

This function prevents uncomfortable drafts from blowing directly on to the body. To prevent drafts, the flap moves upward during cooling operation.

► See pages 2 and 11

Lifestyle Convenience



Standby Electricity Saving

Even when an air conditioner is not operating, it requires standby power. However, thanks to this function, the required standby power can be reduced.

► See page 9



Econo Mode

This mode limits the maximum power consumption. It improves operating efficiency and also prevents circuit breakers from being overloaded.

► See page 9



Inverter Powerful Operation

This function boosts cooling performance for a 20 minute period. It is convenient when it is necessary to change the room temperature quickly.

► See page 11



Wireless Remote Controller with Backlight

The backlit LCD allows easy operation in the dark.

► See page 17



Wireless Remote Controller with Luminous Button

The luminous button absorbs and saves light and then slowly releases it. This makes it easy to see in the dark.

► See page 17



Daikin Mobile Controller (optional adaptor)

This optional adaptor and its application turn a smartphone into a remote controller that can be used inside or outside the home. Together they help to maintain comfort while saving energy and eliminate any worries about forgetting to turn off the air conditioner.



Indoor Unit On/Off Switch

The unit can be conveniently started by hand if the wireless remote controller is misplaced or its batteries are not charged.

Comfort Control



Indoor Unit Quiet Operation

Indoor unit operating sound pressure levels can be decreased from the Low setting fan speed using the wireless remote controller.

► See page 16



Outdoor Unit Quiet Operation

Outdoor unit operating sound pressure levels can be decreased from the rated operation sound using the wireless remote controller.

► See page 16



Auto Fan Speed

The microprocessor automatically adjusts the fan speed to high to rapidly reach the set temperature. Once the temperature is achieved, this function reduces the fan speed to low.

► See page 5



Intelligent Eye (auto energy saving)

Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement for 20 minutes, it adjusts the temperature by approximately 2°C for energy savings.

► See page 9



Programme Dry Function

The computer chip works to rid the room of humidity while keeping the room temperature as stable as possible. It controls the temperature and airflow rate automatically, so manual adjustment of these functions is not available.

Worry Free



Auto-Restart after Power Failure

The air conditioner memorises the settings for operation mode (automatic, cooling, heating, dry and fan only), airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.

► See page 15



Self-Diagnosis with Remote Controller

Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

► See page 15



Stabiliser Free

The highly durable electronic circuit eliminates the need for a stabiliser. It can handle overload voltage of up to 440 V, offering reliable protection against dangerous overvoltage. It also protects outdoor unit devices such as the fan motor and compressor.

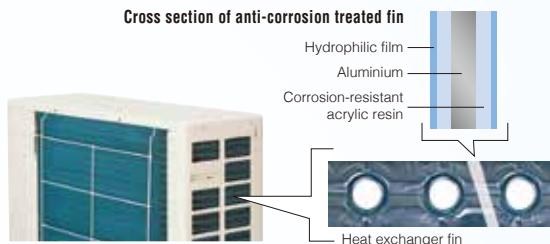
► See page 15



Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins

The outdoor unit's heat exchanger fins are processed using a special anti-corrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.

► See page 15



Cleanliness



Titanium Apatite Deodorising Filter

This filter contains titanium apatite. While the filter's micron-level fibres trap dust, the titanium apatite adsorbs odours and allergens, as well as deodorises odours. The filter can be used for up to three years with proper maintenance.

► See page 13



Dust Collection Filter (PM 2.5) (optional accessory)

This filter removes PM 2.5, particulate matter which is smaller than 2.5 micrometres (µm). 1 µm is equal to 1/1,000 mm. PM 2.5 is small enough to be breathed deep into the lungs. This filter should be replaced every six months because it can not be cleaned.

► See page 14



Odour Removal

When the cooling and dry operation starts working, the indoor unit absorbs unpleasant odours before distributing the air.

► See page 13



Wipe-Clean Flat Panel

The flat panel design can be cleaned with only the single pass of a cloth across its smooth surface. The flat panel can also be easily removed for more thorough cleaning.



Mould-Proof Air Filter

The air filter is impregnated with a mould preventative. The substance stops any growth, increase in number or activity by mould on the filter surface.

► See page 13



Removable Drain Pan

The drain pan collects condensation from the indoor heat exchanger fins. Removable drain pans help to reduce the cleaning time and ensure a perfect finish.

► See page 14

Timers



Count Up-Down On/Off Timer

The operation start and stop times can be set with the touch of a single button and preset for a period of one to 12 hours in one hour increments. When the off timer is set, Night Set Mode is activated automatically.

► See page 10



Night Set Mode

Pressing the off timer button automatically selects Night Set Mode. This function prevents excessive cooling for a pleasant sleep. After 60 minutes, the room temperature is raised by 0.5°C for cooling operation.

► See page 10

Remote Control via Smartphone

Daikin Mobile Controller (optional adaptor)

The Daikin mobile controller application lets you manage Daikin inverter air conditioners from anywhere, helping to maintain a comfortable home environment while saving energy. This convenient app gives you full control of core functions such as start/stop, operation mode and set temperature as well as advanced features like weekly scheduling. The app also lets you monitor your system to ensure it is performing as desired.

Setup is extremely easy. After downloading the software, you only need to connect to a private wireless network inside your home or mobile network outside.¹





In Home Operation

At home, the Daikin mobile controller application turns your smartphone into a centralised remote controller.² It only takes a few easy taps to check and adjust the temperature in a child's room on the second floor from the living room. You can also start and stop the air conditioner in the living room from your bedroom.

Out of Home Operation

The Daikin mobile controller application takes care of those nagging worries about whether you turned off the air conditioner and ensures a comfortable air conditioned environment is waiting when you return home. Even outside your home, you can easily monitor and adjust points such as the operating status and room temperature or start and stop all units.



Functions

Start/stop operation

Set operation mode

Set room temperature

Set fan speed³

Set airflow direction³

Monitor current room temperature

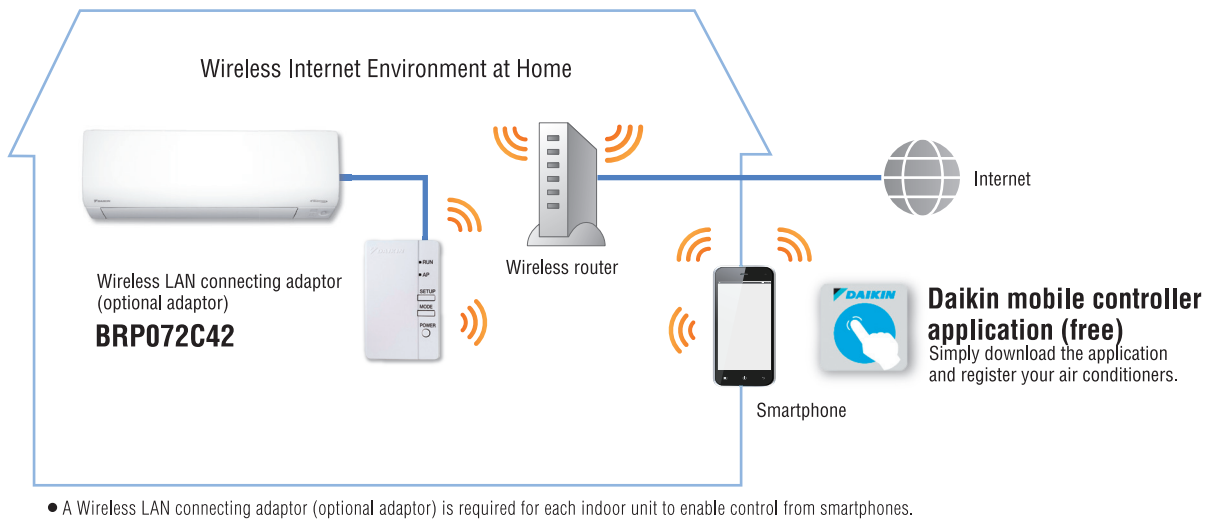
Monitor current outdoor temperature⁴

Demonstrate login mode supported

Set weekly timer:

- Start/stop operation
- Operation mode and room temperature (maximum of six actions per day, 42 actions in total)
- Vacation mode for long holidays

System Configuration



Required for Operation



- Users need to prepare items (1) to (3).
- A Wireless LAN connecting adaptor (optional adaptor) is required for each indoor unit.

Notes: 1. In-home control of air conditioners using the Daikin mobile controller application will depend on the effective coverage area of your LAN.
2. The controllable functions differ depending on the model.
3. Monitoring of the outdoor temperature is available for all models during operation. Some models can also perform monitoring while they are not operating.

Specifications

FTKC Series

Model name	Indoor unit		FTKC25TAV1N	FTKC35TAV1N	FTKC50TAV1N	FTKC60TAV1N	FTKC71TAV1N
	Outdoor unit		RKC25TAV1N	RKC35TAV1N	RKC50TAV1N	RKC60TAV1N	RKC71TAV1N
Capacity	Rated (Min.-Max.)	kW	2.5 (1.0-3.4)	3.5 (1.3-4.1)	5.2 (1.4-6.0)	6.0 (1.4-6.7)	7.1 (2.1-7.5)
		Btu/h	8,500 (3,400-11,600)	11,900 (4,400-14,000)	17,700 (4,800-20,500)	20,500 (4,800-22,900)	24,200 (7,200-25,600)
Power supply			1 phase, 220-240 V, 50 Hz				
Running current	Rated	A	3.2	4.5	6.3	8.0	10.9
Power consumption	Rated (Min.-Max.)	W	680 (210-1,100)	960 (250-1,455)	1,365 (260-1,730)	1,740 (300-2,060)	2,365 (400-2,550)
CSPF			3.67	3.65	3.80	3.45	3.00
COP			FTKC25TAV1N	FTKC35TAV1N	FTKC50TAV1N	FTKC60TAV1N	FTKC71TAV1N
Indoor unit			Shiny pure white				
Front panel colour	H	m³/min	9.9 (350)	10.8 (381)	16.7 (590)		17.3 (611)
Airflow rate		(cfm)	5 steps, quiet and automatic				
Fan speed	H/L/SL		39/25/19	39/26/22	44/35/29	45/36/29	46/37/31
Sound pressure levels	H x W x D	dB(A)	285 x 770 x 226		295 x 990 x 266		
		mm	8		13		
Dimensions		kg	RKC25TAV1N	RKC35TAV1N	RKC50TAV1N	RKC60TAV1N	RKC71TAV1N
Machine weight			Ivory white				
Outdoor unit	Type		Hermetically sealed swing type				
Casing colour	Motor		500	700	1,200		1,300
Compressor	outputType	W	R-32				
			0.50	0.70	1.00		1.05
Refrigerant	Charge volume	kg	47/44	49/45	49/43	50/43	51/46
Sound pressure levels		dB(A)	550 x 658 x 275		595 x 845 x 300		
		mm	23	26	36		40
		kg	19.4 to 46.0				
Dimensions	Liquid	°CDB	ø6.4				
Machine weight	Gas		ø9.5		ø12.7		ø15.9
Operation range	Drain	mm	ø16.0				
Piping			15		30		
		m	12		20		

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; piping length 7.5 m.
2. Sound pressure levels are based on the temperature conditions in 1 above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Options

Indoor Unit

No.	Item	FTKC25/35	FTKC50/60/71
1	Titanium apatite deodorising filter ^{*1}	KAF970A46	
2	Dust collection filter (PM 2.5)	BAFP046A41	
3	Remote controller loss prevention with chain	KKF910A4	
4	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact) ^{*2}	KRP413BB1S	
5	Remote control PC-board set	BRP067A42	BRP980B42

Notes: ^{*1}. The filter is a standard accessory.
^{*2}. A remote control PC-board set (BRP067A42 or BRP980B42) is also required for each indoor unit.



	Wireless LAN connecting adaptor	BRP072C42 ^{*1}
	Dimensions (H x W x D)	79 x 49 x 17.5 mm
	Gross weight	36 g
	Wireless LAN standard	IEEE802.11 b/g/n (2.4 GHz)
	Accessories	Wire harness (1,600 mm), screws (two pieces), double-faced tape, holder, installation manual

Notes: ^{*1} Wireless LAN connecting adaptor must be equipped with additional remote control PC-board set.

Outdoor Unit

No.	Item	RKC25/35	RKC50/60/71
1	Air direction adjustment grille	KPW937B4	KPW937E4
2	Drain plug ^{*1}	KKP937A4	

Note: ^{*1}. One set includes five pieces for five units.



Control System

No.	Item	FTKC25/35	FTKC50/60/71
1	Central remote controller ^{*1}	DCS302CA61	
2	Unified On/Off controller ^{*1}	DCS301BA61	
3	Schedule timer ^{*1}	DST301BA61	
4	Interface adaptor for DIII-NET use ^{*2}	KRP928BB2S	
5	Remote control PC-board set	BRP067A42	BRP980B42

Notes: ^{*1}. An interface adaptor for DIII-NET use (KRP928BB2S) is also required for each indoor unit.
^{*2}. A remote control PC-board set (BRP067A42 or BRP980B42) is also required for each indoor unit.

