


- 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.

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Split Type Air Conditioner

# FTXM-S Series

DC Inverter Control  
Heat Pump Type [50 Hz] 



# No More Humidity

Do you ever feel sticky after your inverter air conditioner reaches the set temperature? Do you ever feel too cool when using your system all night? Our FTXM-S series features advanced dehumidifying and sleep-comfort functions.

## Features

1. Control of both humidity and temperature
2. Top class energy efficiency ratings
3. Comfortable sleep with or without timers
4. Dust collection filter for PM 2.5 removal
5. Sophisticated crystal panel design

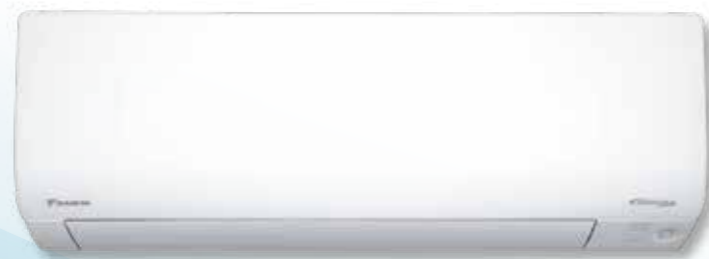


**R32**  
Refrigerant

**INVERTER**

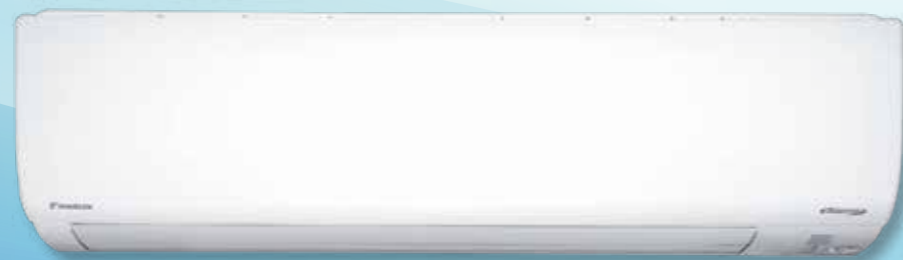
**hybridcooling**  
溫濕雙控

**NEW**



2.2 to 3.6 kW class

**NEW**

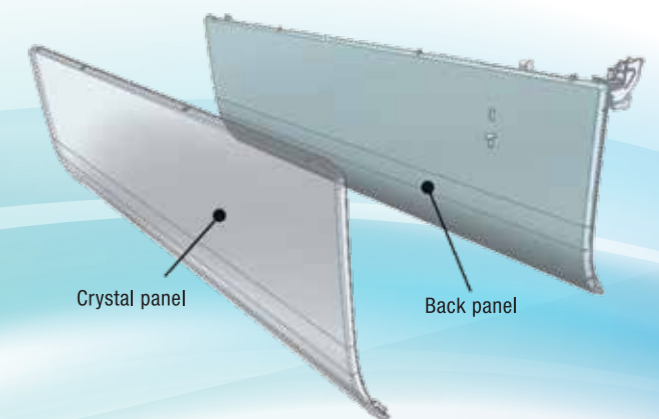


5.0 to 7.1 kW class



## Crystal Panel

Your air conditioners are an important part of your interior design. This is why we chose a sleek crystal panel for the front of FTXM-S series indoor units. The luxury finish complements the simple unit design, creating a stylish new look for your home.



Note: **NEW** indicates a model with a new design.

# All Models Feature Top Energy Rating



NEW



FTXM22/28/36SV1N



RXM22/28/36SV1N

**R32**  
Refrigerant

**INVERTER**

2.2 kW class		FTXM22SV1N / RXM22SV1N	
Cooling capacity	Rated (Min.-Max.)	kW	2.2 (0.9-3.2)
Heating capacity	Rated (Min.-Max.)	kW	2.7 (0.9-4.1)
CSPF		kWh/kWh	6.19
HSPF		kWh/kWh	4.31



### What Are CSPF and HSPF?

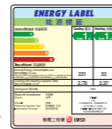
CSPF (cooling seasonal performance factor) and HSPF (heating seasonal performance factor) indicate the operating efficiency of an air conditioner when used under actual conditions for specific applications (buildings, etc.) and operating periods.

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

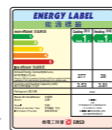
$$\text{HSPF} = \frac{\text{Total capacity during heating (kWh)}}{\text{Total power consumption during heating (kWh)}}$$

They represent the integral heating and cooling capacities per kilowatt hour of power consumption for an air conditioner which operates under fixed conditions throughout the year.

2.8 kW class		FTXM28SV1N / RXM28SV1N	
Cooling capacity	Rated (Min.-Max.)	kW	2.8 (0.9-3.6)
Heating capacity	Rated (Min.-Max.)	kW	3.4 (0.9-4.7)
CSPF		kWh/kWh	6.78
HSPF		kWh/kWh	4.50



3.6 kW class		FTXM36SV1N / RXM36SV1N	
Cooling capacity	Rated (Min.-Max.)	kW	3.5 (0.9-4.0)
Heating capacity	Rated (Min.-Max.)	kW	3.8 (0.9-4.8)
CSPF		kWh/kWh	6.38
HSPF		kWh/kWh	4.33



NEW



FTXM50/60/71SV1N

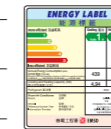


RXM50/60/71SV1N

**R32**  
Refrigerant

**INVERTER**

5.0 kW class		FTXM50SV1N / RXM50SV1N	
Cooling capacity	Rated (Min.-Max.)	kW	5.0 (1.5-6.0)
Heating capacity	Rated (Min.-Max.)	kW	6.0 (1.5-7.7)
CSPF		kWh/kWh	6.16
HSPF		kWh/kWh	3.86



6.0 kW class		FTXM60SV1N / RXM60SV1N	
Cooling capacity	Rated (Min.-Max.)	kW	6.3 (1.5-6.8)
Heating capacity	Rated (Min.-Max.)	kW	7.2 (1.5-8.3)
CSPF		kWh/kWh	5.86
HSPF		kWh/kWh	4.50



7.1 kW class		FTXM71SV1N / RXM71SV1N	
Cooling capacity	Rated (Min.-Max.)	kW	7.2 (1.5-8.1)
Heating capacity	Rated (Min.-Max.)	kW	7.8 (1.5-9.2)
CSPF		kWh/kWh	5.54
HSPF		kWh/kWh	4.74

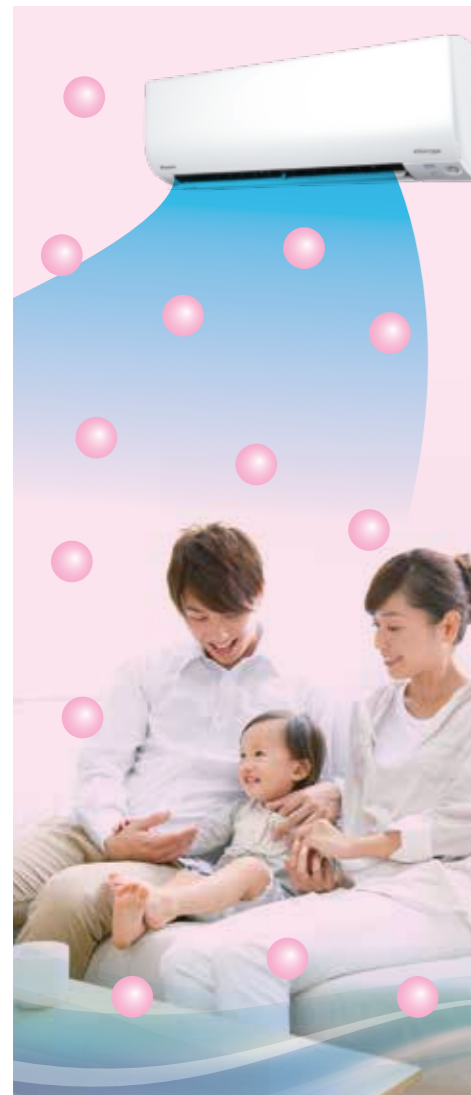
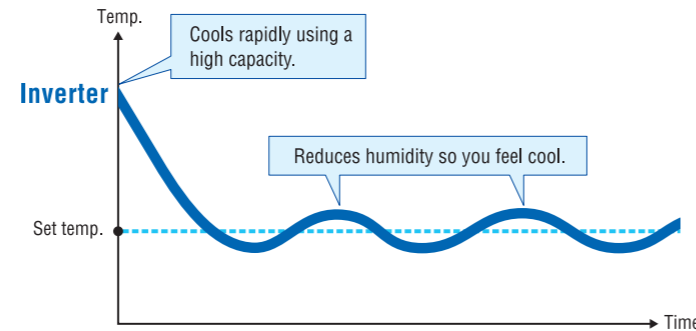


Note: **NEW** indicates a model with a new design.

# Continuous Dehumidifying Performance

In summer, your family room may feel sticky even if your air conditioner continues to cool the whole area. This is caused by too much humidity in the air. The situation will only become worse if you lower the set temperature to save power.

The problem occurs because inverter air conditioners usually reduce both dehumidifying performance and cooling capacity after reaching the set temperature. The FTXM-S series is different. It dehumidifies continuously so you always feel fresh and cool.



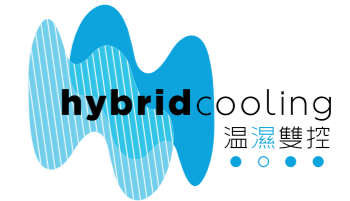
Hot due to high room temperature



High humidity when the room temperature is close to the set temperature



Dehumidifying performance is maintained after reaching the set temperature



## Control of Both Humidity and Temperature

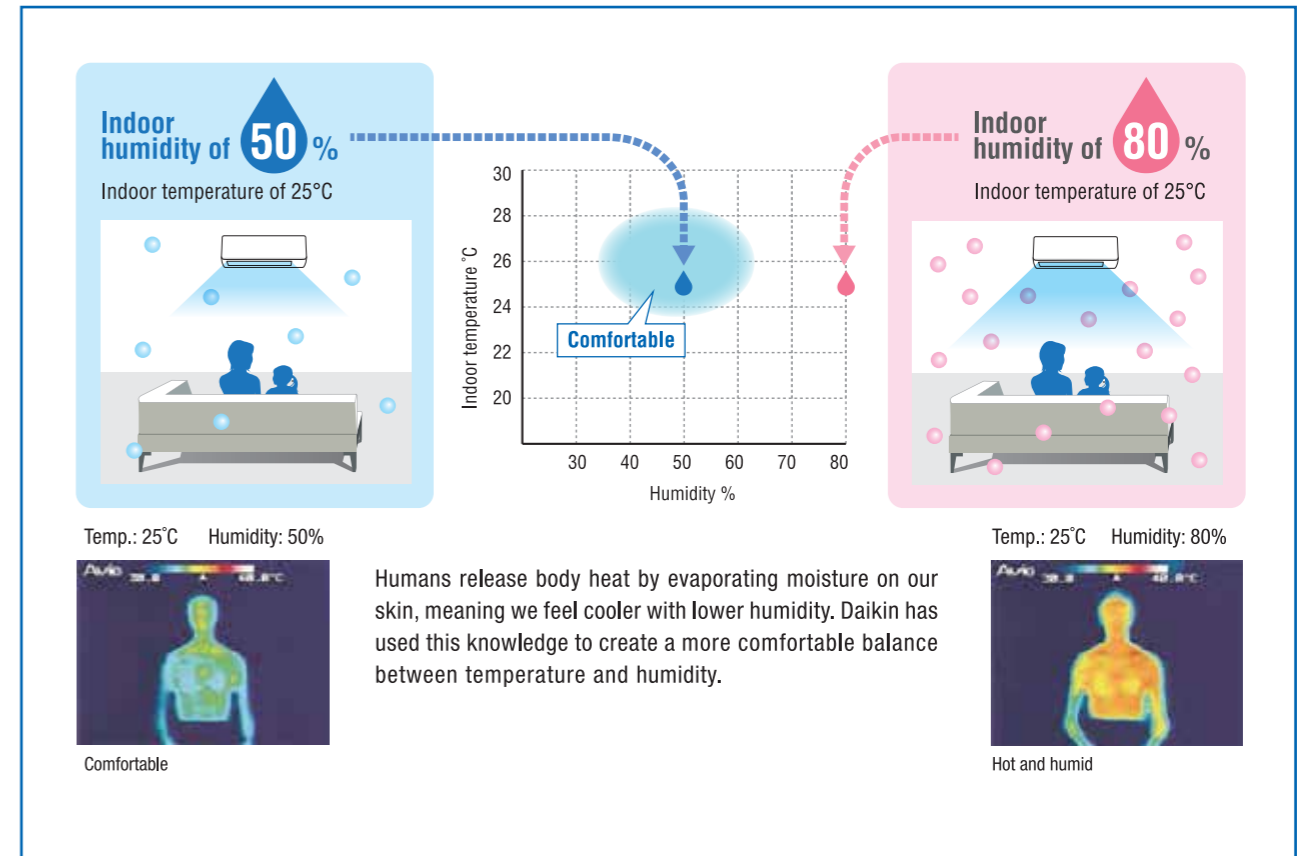
With conventional Daikin inverter air conditioners, once the room temperature reaches the set temperature, operation decreases to low capacity (partial load). However, this also reduces dehumidifying, making the air feel uncomfortable.

The FTXM-S series' dehumidifying capacity is 25% higher than our conventional models.<sup>1</sup> All models are equipped with a humidity sensor and our cutting-edge hybrid cooling technology. Together these features allow FTXM-S units to automatically control humidity so you feel fresh and cool even during low capacity (partial load) operation.

The hybrid cooling technology is automatically activated during cooling and dry operation.



The FTXM-S series' dehumidifying capacity is higher.



Humans release body heat by evaporating moisture on our skin, meaning we feel cooler with lower humidity. Daikin has used this knowledge to create a more comfortable balance between temperature and humidity.

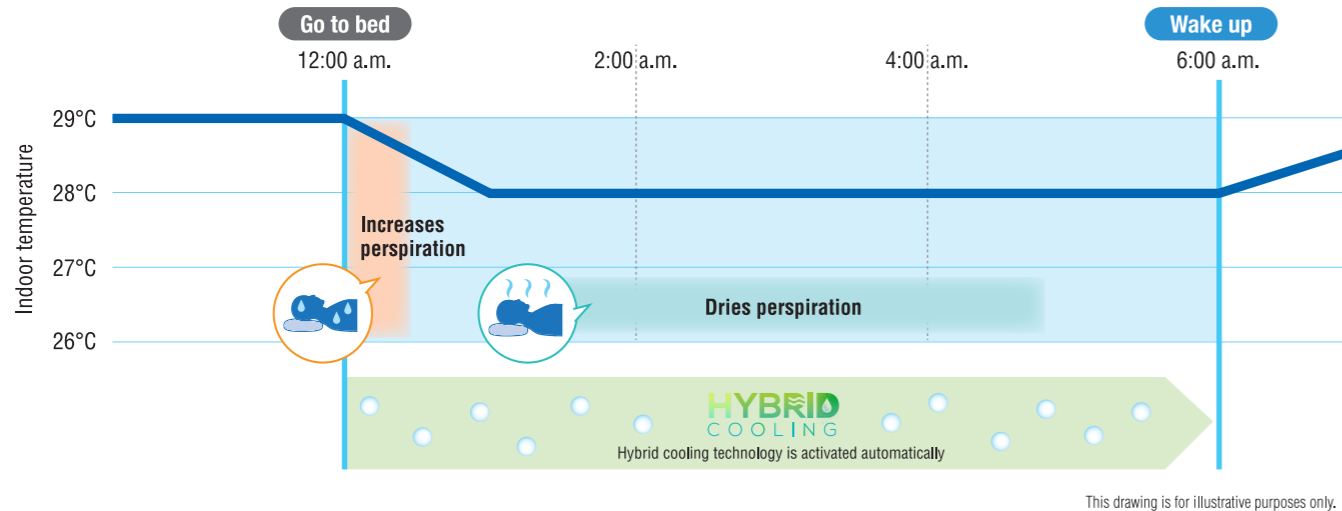
Note: 1. This is an in-house simulation of dehumidifying capacity with conventional dehumidification control (Programme Dry Function).  
 [Test Conditions] Location: Test laboratory of Daikin Industries Thailand  
 Temperature: Room temperature of 24°C, relative humidity of 60%, outdoor temperature of 24°C  
 Dehumidifying capacity: New 1,630 cc/h, conventional 1,300 cc/h

# Deep, Comfortable Sleep with or without Off Timer

**28°C or more**

## People Who Want to Use Air Conditioning All Night

If you set the temperature to 28°C or higher, Daikin's hybrid cooling technology will keep you dry, particularly when you first fall asleep. It will also help to increase how cool the air feels by decreasing humidity without overcooling. These features create a comfortable environment where you can sleep more easily.

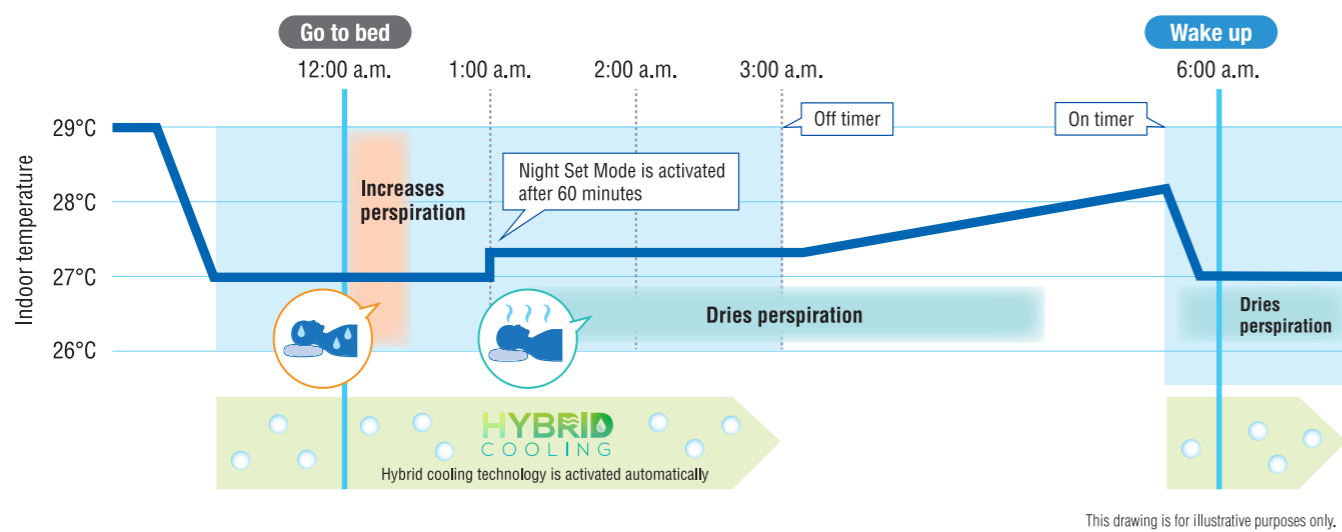


**27°C**

## People Who Want to Use Off Timer

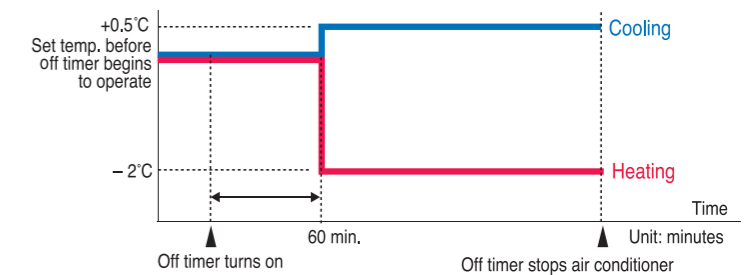
You can cool your bedroom and control humidity simply by using the off timer. It helps to create a comfortable environment and reduce the extra perspiration we produce soon after falling asleep. You only need to set the temperature to 27°C and the off timer for three hours. This first period of deep sleep is usually not affected by temperature changes.

You can also set the on timer for when you wake up. Using your air conditioner at this time can help you to awake feeling more refreshed. Even if you felt uncomfortable while sleeping due to perspiration, you can still make a fresh start to the day.



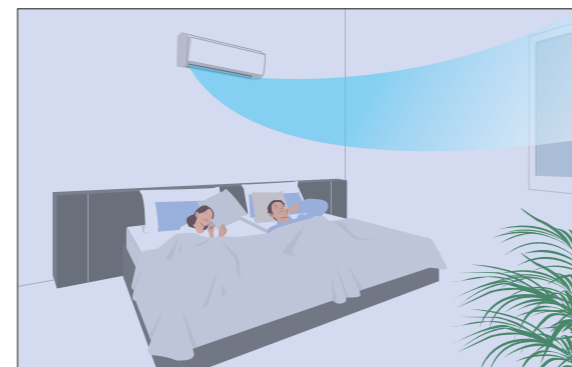
## Night Set Mode

Pressing the off timer button automatically selects Night Set Mode. This function prevents excessive cooling or heating for a pleasant sleep. After 60 minutes, the room temperature is raised by 0.5°C for cooling operation or lowered by 2°C for heating operation.



## Comfort Airflow Mode

Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to your body. This mode is effective for preventing overcooling during summer nights. It redirects air by moving the flap upwards during cooling operation and downwards during heating operation.



## 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.



# Airflow Control and Energy Saving Functions

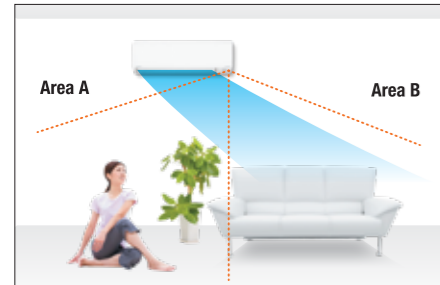
## Two-Area Intelligent Eye (focus and comfort)



This function uses its infrared sensor to direct airflow either toward or away from people. Direct airflow may be more comfortable during cooling operation while indirect airflow may be more convenient during heating operation.

This function is available for the FTXM22/28/36S.

### Directs airflow away from people to prevent drafts



If a person is detected in area A, airflow is directed toward area B.

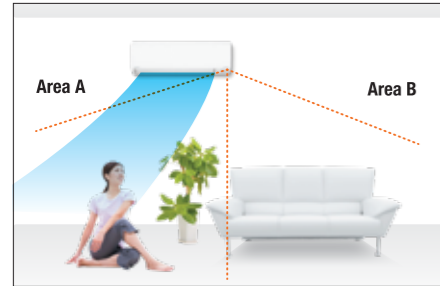


If a person is detected in area B, airflow is directed toward area A.



If people are detected in both area A and B, airflow is directed toward area A.

### Directs airflow toward people to increase cooling



If a person is detected in area A, airflow is directed toward area A.

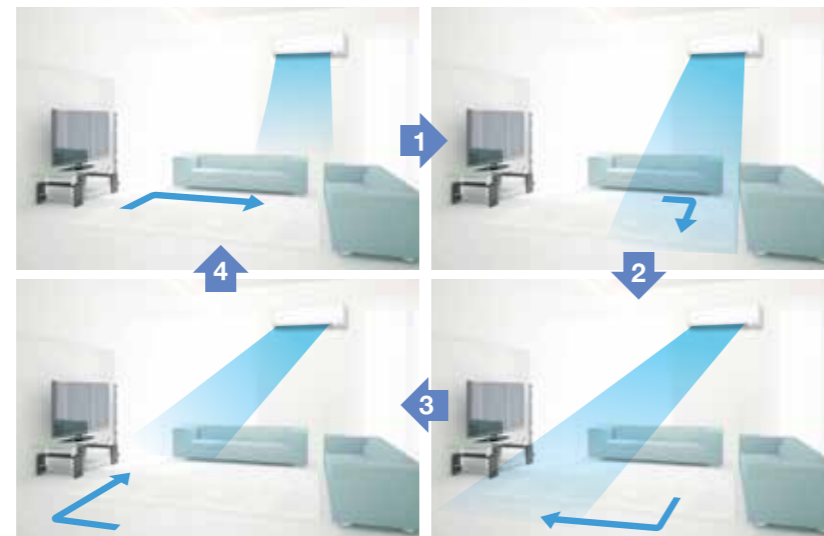


If a person is detected in area B, airflow is directed toward area B.

## 3D Airflow



3D Airflow combines Vertical and Horizontal Auto-Swing to reduce indoor temperature fluctuation. This function circulates air to every part of a room for uniform cooling or heating of even large spaces. To start 3D Airflow, push both the Vertical and Horizontal Auto-Swing buttons. The flaps and louvers swing in turn.

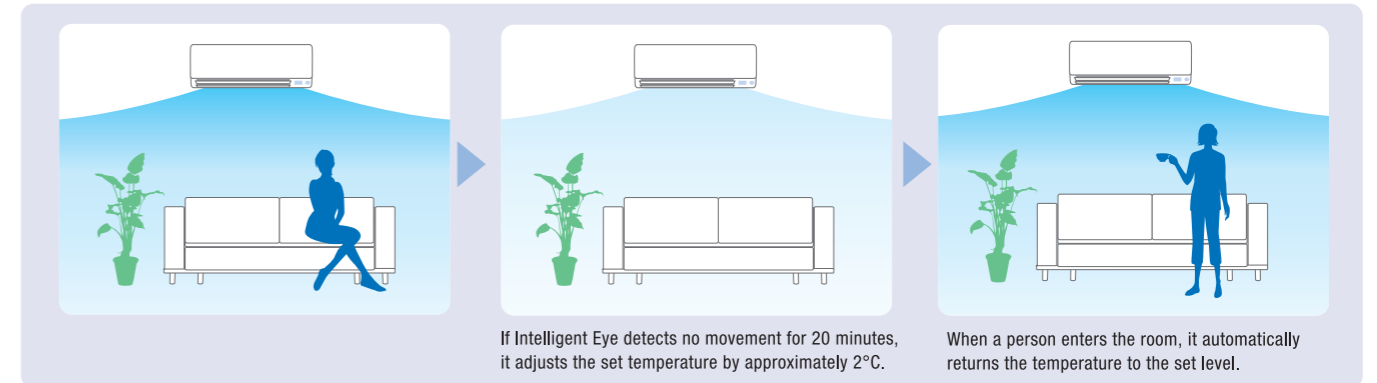


The flaps and louvers swing in turn, expanding the comfort zone.

## 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.



If Intelligent Eye detects no movement for 20 minutes, it adjusts the set temperature by approximately 2°C.

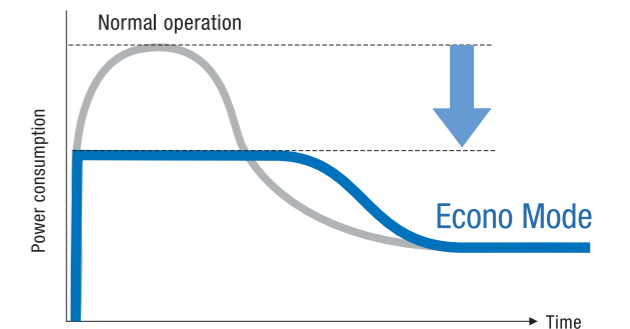
When a person enters the room, it automatically returns the temperature to the set level.

## 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.

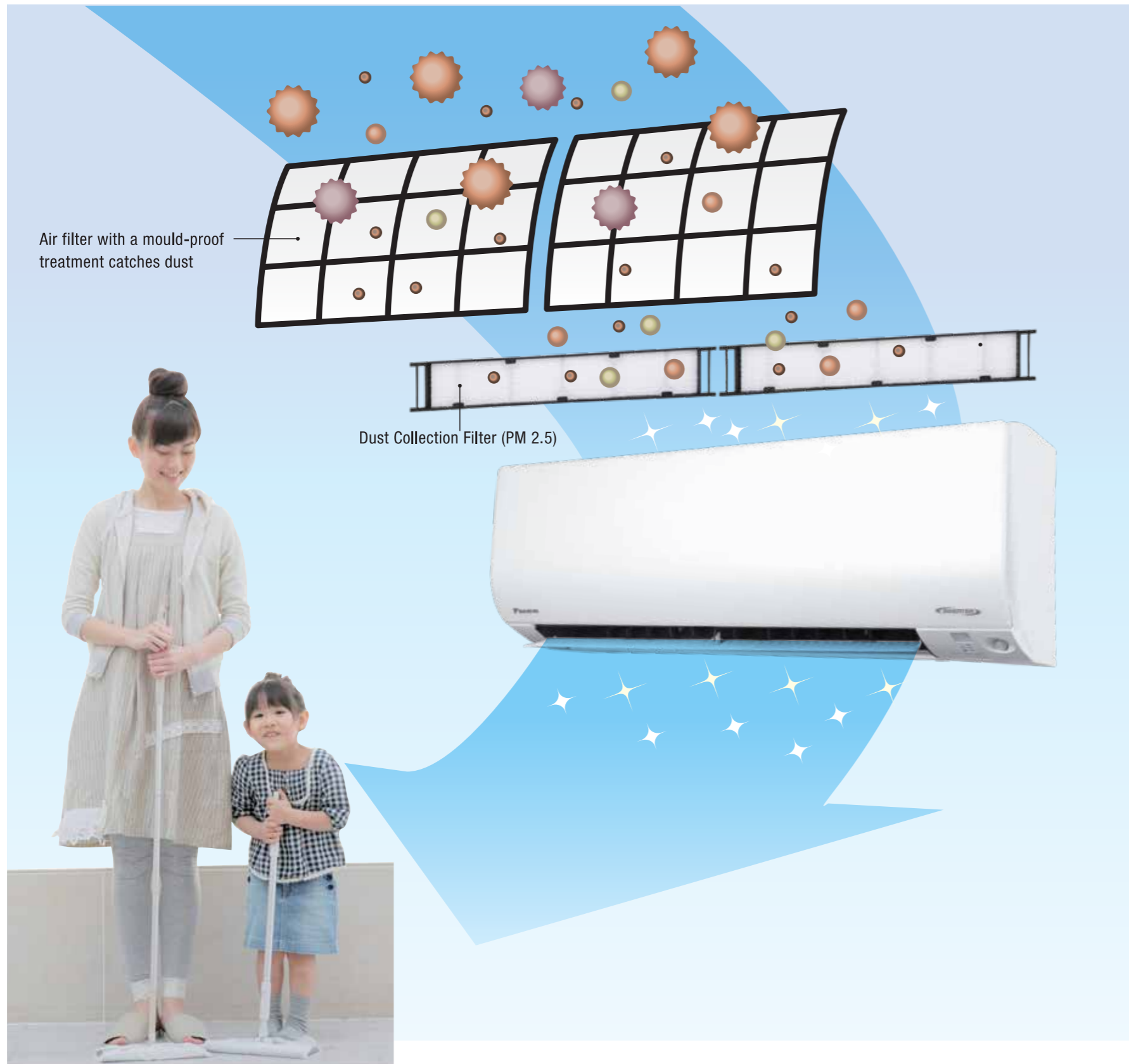


## Standby Electricity Saving



Electrical appliances still use a surprising 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.

# Dust Collection Filter Removes PM 2.5



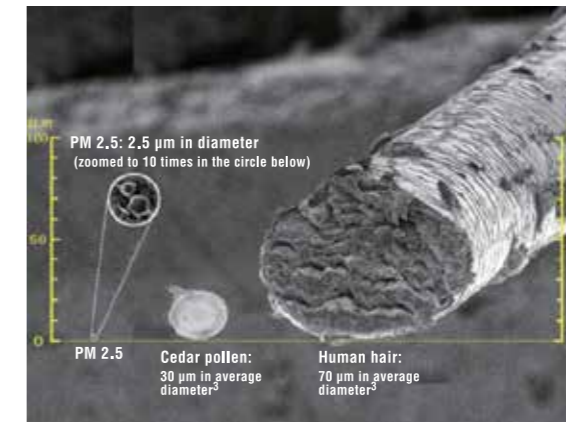
## Dust Collection Filter (PM 2.5)<sup>1</sup>



This filter removes PM 2.5, particulate matter which is smaller than 2.5 micrometres ( $\mu\text{m}$ ). 1  $\mu\text{m}$  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?<sup>2</sup>



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.

## Titanium Apatite Deodorising Filter<sup>4</sup> (optional accessory)



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.



## Removable Drain Pan



The drain pan collects condensation formed on the indoor heat exchanger fins during cooling operation. 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.

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/PM2.5/index.html](http://www.kankyo.metro.tokyo.jp/air/air_pollution/PM2.5/index.html)  
 3. The figures are sourced from the Office of Research and Development of the US Environmental Protection Agency.  
 4. The filter is not a medical device.

# Quiet Operation Sounds

## Indoor Unit Quiet Operation



The FTXM-S 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 3 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 22 dB(A)<sup>1</sup> for the FTXM22SV1N and FTXM28SV1N models.

FTXM22/28SV1N during cooling operation

Fan speeds	Sound pressure levels
High (H)	44 dB(A)
Low (L)	25 dB(A)
🌳 Quiet (SL)	22 dB(A)

3 dB(A)

Fan speed	Sound pressure level
Low	Each decrease in airflow volume reduces the sound pressure level.

## Outdoor Unit Quiet Operation



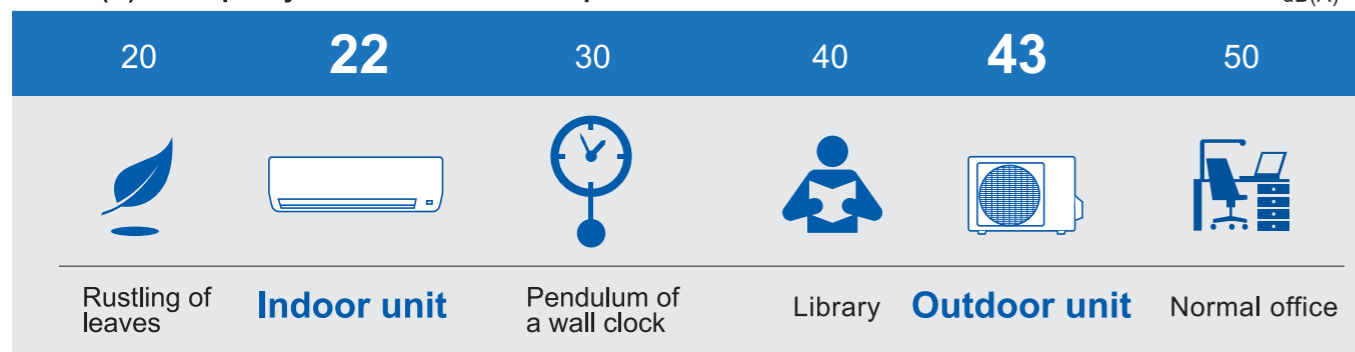
This function decreases the sound pressure level by 3 to 7 dB(A) below the rated operation. It provides a sound pressure level of 43 dB(A)<sup>1</sup> for the RXM22SV1N and RXM28SV1N models. Capacity may decrease when Outdoor Unit Quiet Operation is selected.

RXM22/28SV1N during cooling operation

Operations	Sound pressure levels
Rated (H)	46 dB(A)
Quiet (SL)	43 dB(A)

3 dB(A)

22 dB (A) is so quiet you can even hear whispers<sup>1</sup>



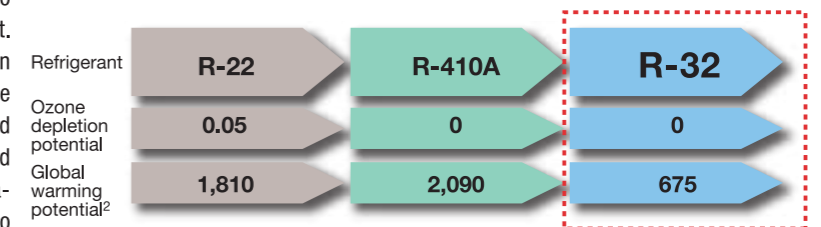
# Next-Generation R-32 Refrigerant

## Replacement for R-410A

As the sole worldwide manufacturer of both air conditioning equipment and refrigerants, Daikin is continuously researching refrigerants as well as new technologies that 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

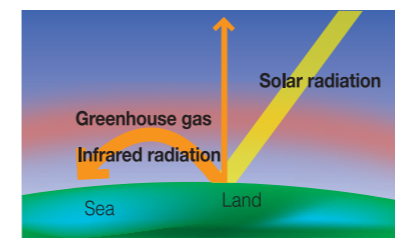
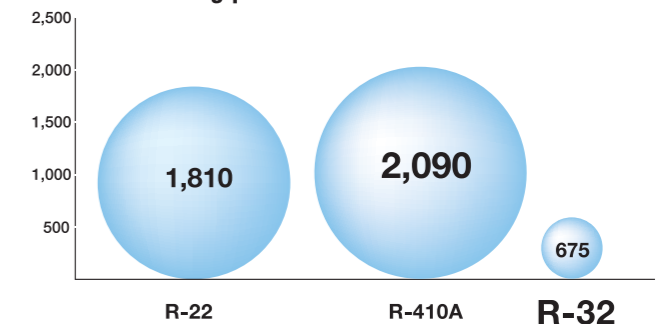
The ozone layer surrounds the Earth and helps to absorb the harmful ultraviolet rays in sunlight. Although R-22 (HCFC) refrigerant had been used in air conditioners and refrigerators, it damages the ozone layer and its use is to be mostly eliminated by 2020. To replace R-22, Taiwan, Japan and European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



## 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.

Global warming potential<sup>2</sup>



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-410A. Thus the piping diameter can be smaller.

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

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

3. R32 is classified as A2L mildly flammable refrigerant according to ASHRAE standard 34.



# Controller and Function List

## Wireless Remote Controller

2.2 to 3.6 kW Class

The backlit LCD allows easy operation in the dark.

1 On and Off switch

2 Selects fan speed, Auto Fan Speed and Indoor Unit Quiet Operation

3 Inverter Powerful Operation

4 Econo Mode and Outdoor Unit Quiet Operation

5 Selects operation mode: Automatic, Cooling, Heating, Dry and Fan Only.

6 Comfort Airflow Mode

7 Two-Area Intelligent Eye (focus and comfort) and Intelligent Eye (auto energy saving)

8 24 Hour Off Timer and Night Set Mode

9 Cancels timer.

10 Sets room temperature.

11 Sets vertical airflow direction. Vertical Auto-Swing and 3D Airflow

12 Sets horizontal airflow direction. Horizontal Auto-Swing and 3D Airflow

13 Selects timer. Sets day, time and temperature.

14 24 Hour On Timer

15 Sets clock.

2.2 to 3.6 kW class	ARC466A26
5.0 to 7.1 kW class	ARC466A28

## Weekly Timer

The Weekly Timer allows up to four actions to be programmed for each day of the week. It is possible to schedule not only the On and off times but also to set temperatures. Once you set up the Weekly Timer, the air conditioner operates each day without controller input.

The Weekly Timer is also ideal for any kind of sleeping style, helping you to rest more comfortably. You can easily set a schedule so your air conditioner turns on or off at exactly the right time or operates throughout the night.

### Family Room Monday to Friday

<p>Programme 1</p> <p>On 25°C 6:30 a.m.</p> <p>If you set the Weekly Timer 30 minutes before your wake-up time, you can avoid the hot and humid morning air and enjoy a pleasantly cool room as you get up.</p>	<p>Programme 2</p> <p>Off 8:00 a.m.</p> <p>The Weekly Timer will automatically stop operation after you leave home on a busy morning. You can forget about the air conditioner.</p>	<p>Programme 3</p> <p>On 23°C 5:30 p.m.</p> <p>If you set the Weekly Timer an hour before you arrive home, you can enjoy a wave of cool air as soon as you step through the door.</p>	<p>Programme 4</p> <p>Off 12:00 a.m.</p> <p>The Weekly Timer will automatically stop operation when you go to bed.</p>
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## Function List

### Indoor Unit

	Models kW class	FTXM22/28/36S			FTXM50/60/71S		
		2.2	2.8	3.6	5.0	6.0	7.1
DC Inverter Control		●	●	●	●	●	●
Hybrid Cooling (dehumidification control)		●	●	●	●	●	●
Comfortable Airflow	Power-Airflow Flap	●	●	●			
	Power-Airflow Dual Flaps				●	●	●
	Wide-Angle Louvers	●	●	●	●	●	●
	Vertical Auto-Swing (up and down)	●	●	●	●	●	●
	Horizontal Auto-Swing (left and right)	●	●	●	●	●	●
	3D Airflow	●	●	●	●	●	●
Comfort Control	Comfort Airflow Mode	●	●	●	●	●	●
	Indoor Unit Quiet Operation	●	●	●	●	●	●
	Automatic Operation	●	●	●	●	●	●
	Intelligent Eye (auto energy saving)	●	●	●	●	●	●
	Two-Area Intelligent Eye (focus and comfort)	●	●	●			
	Auto Fan Speed	●	●	●	●	●	●
Lifestyle Convenience	Standby Electricity Saving	●	●	●	●	●	●
	Econo Mode	●	●	●	●	●	●
	Inverter Powerful Operation	●	●	●	●	●	●
	Wireless Remote Controller with Backlight	●	●	●	●	●	●
Cleanliness	Indoor Unit On/Off Switch	●	●	●	●	●	●
	Daikin Mobile Controller (optional adaptor)	●	●	●	●	●	●
	Dust Collection Filter (PM 2.5)	●	●	●	●	●	●
	Mould-Proof Air Filter	●	●	●	●	●	●
	Wipe-Clean Flat Panel	●	●	●	●	●	●
	Removable Drain Pan	●	●	●	●	●	●
Timers	24 Hour On/Off Timer	●	●	●	●	●	●
	Weekly Timer	●	●	●	●	●	●
	Night Set Mode	●	●	●	●	●	●
Worry Free	Auto-Restart after Power Failure	●	●	●	●	●	●

### Outdoor Unit

	Models	RXM22/28/36S	RXM50/60/71S
Comfort Control	Outdoor Unit Quiet Operation	●	●
Worry Free	Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins	●	●

# Functions

## Comfortable Airflow

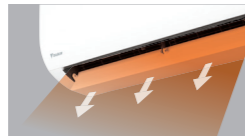


### Power-Airflow Flap

The Power-Airflow Flap flattens out during cooling operation to deliver cool air to the corners of a room. The flap also directs warm air straight down to the floor during heating operation.



With the low angle, cool air slides off to reach the corners of the room.



With the high angle, warm air spreads around the centre of the room.



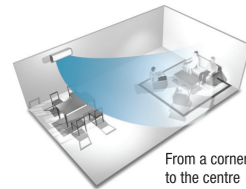
### Power-Airflow Dual Flaps

The Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room. The flaps can direct warm air straight down to the floor during heating operation.

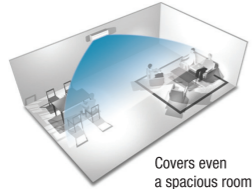


### Wide-Angle Louvers

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



From a corner to the centre



Covers even a spacious room



### Vertical Auto-Swing (up and down)

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



### Horizontal Auto-Swing (left and right)

Horizontal Auto-Swing automatically moves the louvers to the left and right to cover a room with cool or warm air.



### 3D Airflow

This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool or warm air right to the corners of even large spaces. The flaps and louvers swing in turn.

▶ See page 9



### 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 and downward during heating operation.

▶ See page 8

## Comfort Control



### Indoor Unit Quiet Operation

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

▶ See page 13



### Outdoor Unit Quiet Operation

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

▶ See page 13



### Automatic Operation

This function automatically selects cooling or heating operation mode based on the room temperature at startup.



### 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 10



### Two-Area Intelligent Eye (focus and comfort)

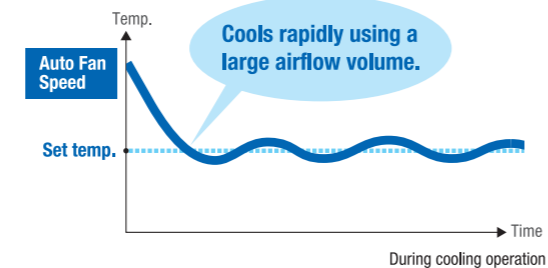
This function uses its infrared sensor to direct airflow either toward or away from people.

▶ See page 9



### 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.



## 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.

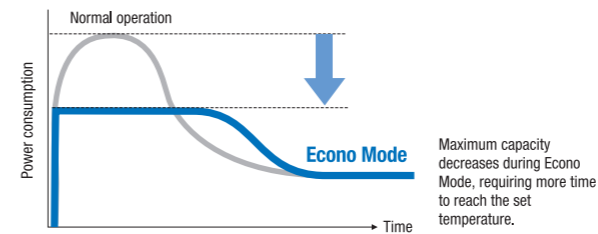
▶ See page 10



### Econo Mode

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

▶ See page 10



### 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 8



### Wireless Remote Controller with Backlight

The backlit LCD allows easy operation in the dark.

▶ See page 15



### 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.



### 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.

▶ See pages 19 and 20

## Timers



### 24 Hour On/Off Timer

This timer can start or stop the air conditioner within a 24 hour period. It can be preset in 10 minute steps by pressing the on/off timer button on the wireless remote controller. The on timer and off timer can be used in combination.



### Weekly Timer

The Weekly Timer allows up to four actions to be programmed for each day of the week. It is possible to schedule not only the on and off times, but also the desired temperatures during these periods. The copy function also makes the setting much easier.

▶ See page 15



### Night Set Mode

Pressing the off timer button automatically selects Night Set Mode. This function prevents excessive cooling or heating for a pleasant sleep. After 60 minutes, the room temperature is raised by 0.5°C for cooling operation or lowered by 2°C for heating operation.

▶ See page 8

## Cleanliness



### Titanium Apatite Deodorising Filter (optional accessory)

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 12



### Dust Collection Filter (PM 2.5)

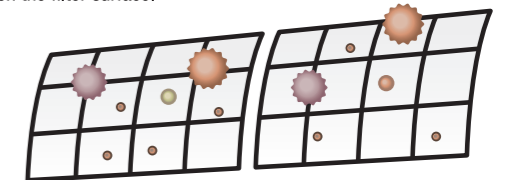
This filter removes PM 2.5, particulate matter which is smaller than 2.5 micrometres (µm). 1 µm is equal to 1/1,000 mm. PM 2.5 is small enough to be breathed deep into the lungs. This filter should be replaced every six months because it can not be cleaned.

▶ See page 12



### 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.



### 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.



### 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 12

## Worry Free



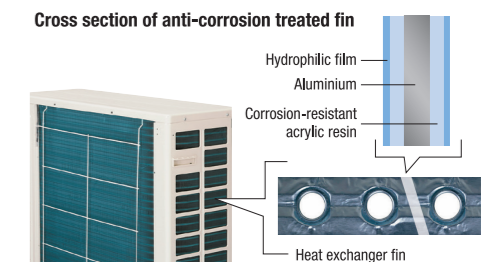
### Auto-Restart after Power Failure

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.



### 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.

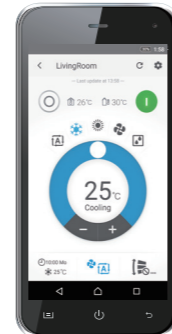


# Remote Control via Smartphone

## 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.<sup>1</sup>



## In Home Operation

At home, the Daikin mobile controller application turns your smartphone into a centralised remote controller.<sup>2</sup> 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 speed<sup>3</sup>

Set airflow direction<sup>3</sup>

Monitor current room temperature

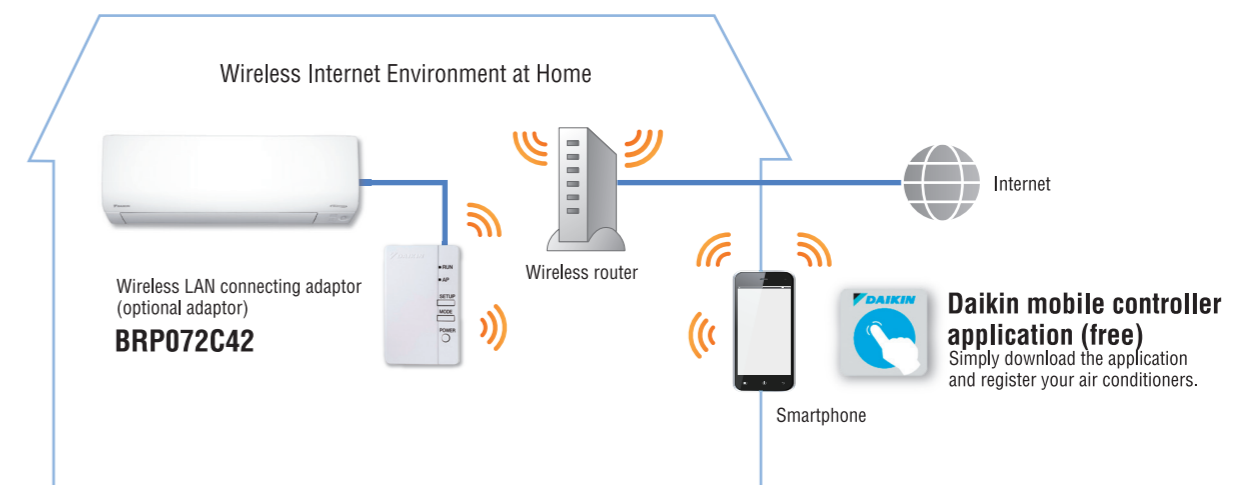
Monitor current outdoor temperature<sup>4</sup>

Demonstrate login mode supported

Set weekly timer:

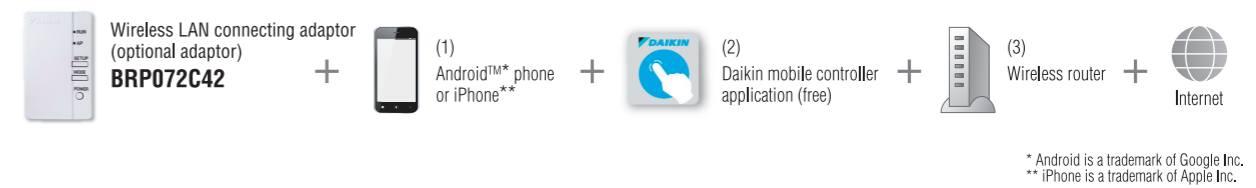
- Start/stop operation
- Operation mode and room temperature (maximum of six actions per day, 42 actions in total)
- Vacation mode for long holidays

## System Configuration



- A Wireless LAN connecting adaptor (optional adaptor) is required for each indoor unit to enable control from smartphones.

## 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 and Options

## Specifications

### 2.2, 2.8 and 3.6 kW Class

Model name	Indoor unit		FTXM22SV1N		FTXM28SV1N		FTXM36SV1N	
	Outdoor unit		RXM22SV1N		RXM28SV1N		RXM36SV1N	
Capacity	Cooling	Rated	kW	2.2 (0.9-3.2)	2.8 (0.9-3.6)	3.5 (0.9-4.0)		
		(Min.-Max.)	Btu/h	7,500 (3,100-10,900)	9,600 (3,100-12,300)	11,900 (3,100-13,600)		
		Half	kW	1.10	1.40	1.75		
	Heating	Rated	kW	2.7 (0.9-4.1)	3.4 (0.9-4.7)	3.8 (0.9-4.8)		
		(Min.-Max.)	Btu/h	9,200 (3,100-14,000)	11,600 (3,100-16,000)	13,000 (3,100-16,400)		
		Half	kW	1.4	1.7	1.9		
			Btu/h	4,800	5,800	6,480		
Power supply			1 phase, 220-240 V, 50 Hz					
Running current	Cooling	Rated	A	2.5	2.7	3.8		
	Heating	Rated	A	2.9	4.1	5.0		
Power consumption	Cooling	Rated (Min.-Max.)	W	388 (170-710)	543 (170-840)	785 (170-1,010)		
		Half	W	200	225	295		
	Heating	Rated (Min.-Max.)	W	590 (170-1,100)	850 (170-1,200)	970 (170-1,260)		
		Half	W	295	345	400		
CSPF				kWh/kWh		6.19	6.78	6.38
HSPF				kWh/kWh		4.31	4.50	4.33
COP	Cooling	W/W		5.67	5.16	4.46		
	Heating	W/W		4.58	4.00	3.92		
<b>Indoor unit</b>			<b>FTXM22SV1N</b>		<b>FTXM28SV1N</b>		<b>FTXM36SV1N</b>	
Front panel colour			Pearl pure white					
Airflow rate	Cooling	H	m <sup>3</sup> /min	11.7 (413)				
	Heating	H	cfm	11.2 (395)				
Fan speed			5 steps, quiet and automatic					
Sound pressure level	Cooling	H/L/SL	dB(A)	44/25/22		44/26/23		
	Heating	H/L/SL	dB(A)	41/25/22		42/26/23		
Dimensions			H x W x D		mm			
Machine weight					kg			
<b>Outdoor unit</b>			<b>RXM22SV1N</b>		<b>RXM28SV1N</b>		<b>RXM36SV1N</b>	
Casing colour			Ivory white					
Compressor	Type		Hermetically sealed swing type					
	Motor output		W					
Refrigerant	Type		R-32					
	Charge		kg					
Sound pressure level	Cooling	H/SL	dB(A)	46/43		48/44		
	Heating	H/SL	dB(A)	49/44		50/45		
Dimensions			H x W x D		mm			
Machine weight					kg			
Operation range	Cooling	°CDB		10 to 46				
	Heating	°CWB		-15 to 18				
Piping connection	Liquid	mm		ø6.4				
	Gas	mm		ø9.5				
	Drain	mm		ø16.0				
Max. piping length					m			
Max. height difference					m			

### 5.0, 6.0 and 7.1 kW Class

Model name	Indoor unit		FTXM50SV1N		FTXM60SV1N		FTXM71SV1N	
	Outdoor unit		RXM50SV1N		RXM60SV1N		RXM71SV1N	
Capacity	Cooling	Rated	kW	5.0 (1.5-6.0)	6.3 (1.5-6.8)	7.2 (1.5-8.1)		
		(Min.-Max.)	Btu/h	17,100 (5,100-20,500)	21,500 (5,100-23,200)	24,600 (5,100-27,600)		
		Half	kW	2.50	3.15	3.60		
	Heating	Rated	kW	6.0 (1.5-7.7)	7.2 (1.5-8.3)	7.8 (1.5-9.2)		
		(Min.-Max.)	Btu/h	20,500 (5,100-26,300)	24,600 (5,100-28,300)	26,600 (5,100-31,400)		
		Half	kW	3.0	3.6	3.9		
			Btu/h	10,230	12,280	13,300		
Power supply			1 phase, 220-240 V, 50 Hz					
Running current	Cooling	Rated	A	6.1	8.3	10.0		
	Heating	Rated	A	6.7	8.3	10.3		
Power consumption	Cooling	Rated (Min.-Max.)	W	1,270 (280-1,720)	1,770 (280-2,020)	2,150 (280-2,610)		
		Half	W	430	565	682		
	Heating	Rated (Min.-Max.)	W	1,420 (300-2,080)	1,770 (300-2,190)	2,010 (300-2,450)		
		Half	W	710	730	750		
CSPF				kWh/kWh		6.16	5.86	5.54
HSPF				kWh/kWh		3.86	4.50	4.74
COP	Cooling	W/W		3.94	3.56	3.35		
	Heating	W/W		4.23	4.07	3.88		
<b>Indoor unit</b>			<b>FTXM50SV1N</b>		<b>FTXM60SV1N</b>		<b>FTXM71SV1N</b>	
Front panel colour			Pearl pure white					
Airflow rate	Cooling	H	m <sup>3</sup> /min	15.6 (551)	18.5 (653)	19.1 (674)		
	Heating	H	cfm	16.3 (576)	19.2 (678)	21.8 (770)		
Fan speed			5 steps, quiet and automatic					
Sound pressure level	Cooling	H/L/SL	dB(A)	45/34/31		48/36/33		
	Heating	H/L/SL	dB(A)	45/33/30		48/33/30		
Dimensions			H x W x D		mm			
Machine weight					kg			
<b>Outdoor unit</b>			<b>RXM50SV1N</b>		<b>RXM60SV1N</b>		<b>RXM71SV1N</b>	
Casing colour			Ivory white					
Compressor	Type		Hermetically sealed swing type					
	Motor output		W					
Refrigerant	Type		R-32					
	Charge		kg					
Sound pressure level	Cooling	H/SL	dB(A)	47/44		49/45		
	Heating	H/SL	dB(A)	49/45		52/45		
Dimensions			H x W x D		mm			
Machine weight					kg			
Operation range	Cooling	°CDB		10 to 46				
	Heating	°CWB		-15 to 18				
Piping connection	Liquid	mm		ø6.4				
	Gas	mm		ø12.7				
	Drain	mm		ø16.0				
Max. piping length					m			
Max. height difference					m			

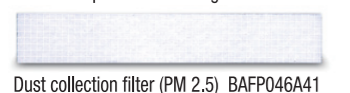
Measurement conditions  
 1. Cooling capacity is based on: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; piping length 7.5 m.  
 2. Heating capacity is based on: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; piping length 7.5 m.  
 3. Sound pressure levels are measured in an anechoic chamber based on temperature conditions in 1 and 2 above. These values are normally somewhat higher during actual operation as a result of ambient conditions.

## Options

### Indoor Unit

No.	Item	FTXM22/28/36S	FTXM50/60/71S
1	Titanium apatite deodorising filter		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)		KRP413AB1S
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**
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	RXM22/28/36S	RXM50/60/71S
1	Air direction adjustment grille	KPW937E4	KPW5E112
2	Drain plug		KKP937A4

Note: \*1. One set includes five pieces for five units.

### Control System

No.	Item	FTXM22/28/36S	FTXM50/60/71S
1	Central remote controller		DCS302CA61
2	Unified On/Off controller		DCS301BA61
3	Schedule timer		DST301BA61
4	Interface adaptor for DIII-NET use		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.

