



Perfecting the Air



Split Type Air Conditioners

**iSmart Envi**  
SERIESNEW ADVANCE  
AIR QUALITY  
FILTERHIGHER ENERGY  
EFFICIENCYHUMIDITY  
CONTROLQUIET  
OPERATIONSMART AND VOICE  
CONTROL

WITH  
MORE THAN  
**90**  
YEARS OF  
EXPERIENCE



Perfecting the Air

Since its inception, Daikin is renowned as the true creator in global air conditioning industry through relentless innovation in technology and product design.

Continuing its legacy as the leader in air conditioning, Daikin remains committed to refining next generation of cooling solution and taking the air conditioning beyond its previous limitations.

**5**  
REASONS TO  
CHOOSE DAIKIN



\*\*Trusted Brand Platinum  
Award Winner



**1**

BRAND FOR ALL COOLING  
SOLUTIONS

widest range of air conditioners  
across the globe

MULTI-AWARD  
WINNER

& Well Trusted Brand\*\*

dedicated team to offer customers with  
**HIGH QUALITY AFTER  
SALES SERVICE**

& only Japanese company  
**SPECIALIZING IN  
AIR CONDITIONING**

FIRST  
**HDB MULTI ROOM**  
air conditioning system\*



\* Records Given by Singapore Book of Records

# WHY DAIKIN?

AIR-CONDITIONING  
SPECIALIST



NET SALES  
AMOUNT TO  
**\$27**  
BILLION

**\$300**  
MILLION  
R&D INVESTMENT

UNLOCKING  
HUMAN POTENTIAL  
PEOPLE-CENTERED  
MANAGEMENT



3 CORE  
TECHNOLOGIES  
HEAT PUMP  
INVERTER  
REFRIGERANT

OVER  
100  
WORLDWIDE  
PRODUCTION BASES



FOUNDED IN  
**1924**

50%  
LOCAL HIRES



SOLD IN OVER  
**170**  
COUNTRIES



# SMART AND CLEAN AIR CONTROL

You can now control the iSmart Envi series with your smartphone and your voice using smart speakers! A new Air Quality Filter also removes allergic substances, bacteria and viruses as well as PM 2.5.



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## ENVIRONMENTAL FRIENDLY R32 REFRIGERANT

As an equipment manufacturer, Daikin believes it must work to reduce the greenhouse emissions throughout the entire product life cycle. Hence, Daikin has adopted R32 into multisplit series.



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## BUILT-IN SMART CONTROL AND VOICE CONTROL

Built-in with smarter, more convenient, more energy saving functions & controls to cool your home in style with Newly Added Voice Control.



DAIKIN Mobile Controller      works with the Google Assistant      works with Alexa

INTELLIGENT EYE

PAGE 11

## HUMIDITY CONTROL AND QUIET OPERATION

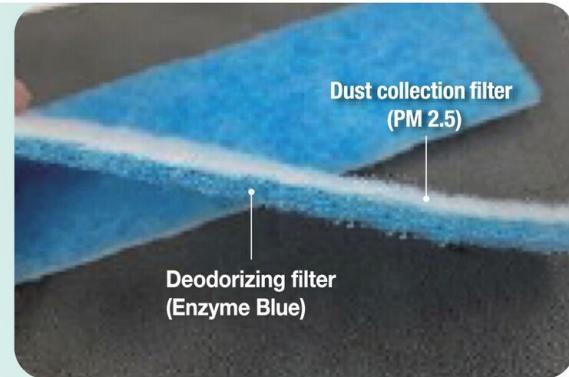
A new humidity sensor boosts dehumidification volumes so you always feel fresh and cool. Sound levels are also as quiet as just 19 dB (A).



PAGE 13

## NEW ADVANCED AIR QUALITY FILTER

The iSmartEnvi series now comes with a New Advanced Air Quality Filter which combines deodorising filter (enzyme Blue) and dust collection filter (PM2.5) which absorbs and removes household odours, allergic substances, bacteria and viruses as well as PM2.5.



## R-32 Next-generation refrigerant

DAIKIN is the only aircon manufacturer in the world to produce both air conditioning equipment and refrigerant.



As a refrigerant manufacturer, Daikin believes it has a responsibility to expand the use of substances with zero ozone layer depletion and to reduce greenhouse gas emissions. As an equipment manufacturer, Daikin believes it must work to reduce the greenhouse emissions throughout the entire product life cycle. Hence, Daikin has adopted R-32 into this series too.

## Zero

### Ozone Depletion Potential (ODP)

Ozone depletion is the reduction in amount of ozone layer in the stratosphere due to pollutants such as chlorofluorocarbons. By using R-32 Refrigerant, there is zero impact on the ozone layer depletion.

## Lower

### Global Warming Potential (GWP)

#### What is Global Warming Potential (GWP)?

GWP is a measure of how much energy the emission of 1 ton of a gas will be absorbed over a given period of time, relative to the emissions of 1 ton of Carbon Dioxide.

The larger the GWP, the more that a given gas warms the Earth compared to CO<sub>2</sub> over that time period.

### Environmental Impact of Air Conditioner Refrigerants and Trends

Ozone Depletion Potential (ODP) 100 Year Global Warming Potential of Different Refrigerants\*<sup>1</sup>

	Ozone Depletion Potential (ODP)	100 Year Global Warming Potential of Different Refrigerants* <sup>1</sup>
R-22 (HCFC)	0.055	1,810
R-410A (HFC)	0	2,090
R-32 (HFC)	0	675

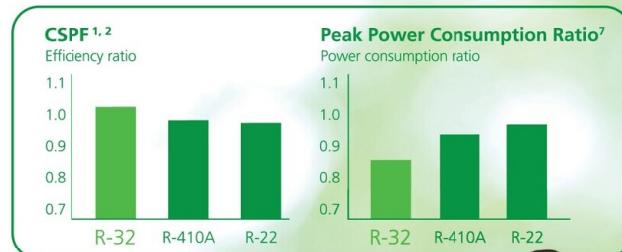
\*<sup>1</sup>) Values for 100 year global warming potential (GWP) from IPCC Fourth Assessment Report. Comparative 100 year GWP: HFC410A, 2,090; HFC32, 675.

## Reduced Impact on Global Warming

R-32 has only around 30% of the GWP of R-22 and R-410A. Its potential refrigerating effect is also 1.5 times higher and it requires only approximately 70% of the charging volume. Together, these factors mean R-32 has just 23% of the theoretical impact on global warming of R-22 and R-410A.

## Higher Energy Efficiency

The cooling seasonal performance factor (CSPF) of R-32 is higher than R-22 and R-410A. Its peak power consumption ratio is also lower, helping to alleviate power shortages in large cities during periods of high demand.



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

2. CSPF =  $\frac{\text{Cooling seasonal total load (kWh)}}{\text{Cooling seasonal energy consumption (kWh)}}$

3. Preconditions for calculations

• Values are for a 3.5 kW split type cooling only model. • Peak power consumptions are based on indoor/outdoor temperatures of 27/35°CDB.

• CSPFs are calculated based on ISO/DIS16358-1. • Values show test results in Asia, which includes India, Indonesia and Malaysia, but not China.



# up to 5 ticks with MORE Benefits

Model name	FTKM25XVMG	FTKM35XVMG	FTKM50XVMG	FTKM60XVMG	FTKM71XVMG
<b>Tick labels</b>	5 ticks 	3 ticks 	3 ticks 	3 ticks 	2 ticks 

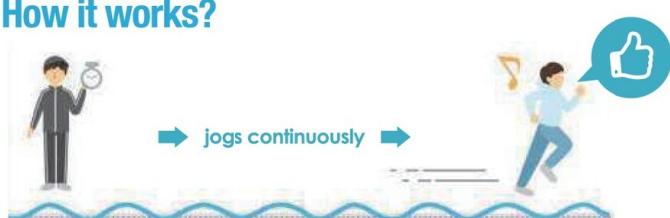
The iSmart Envi series achieves weighted COPs of 4.40 to 5.71 and COPs of 3.38 to 4.90 thanks to Daikin's DC Inverter control and next-generation R-32 refrigerant. The FTKM25X has earned Singapore's highest 5 Ticks energy efficiency rating. Weighted COP =  $0.4 \times \text{COP100\%}$  (at full load cooling capacity) +  $0.6 \times \text{COP50\%}$  (part load cooling capacity).



Excellent comfort with  
**INVERTER TECHNOLOGY**  
More Savings & Comfort  
with technology that manages  
energy efficiency.



## How it works?



**INVERTER COMPRESSOR**  
Stable cooling temperature & energy saving

Our inverter system powers up to reach the desired temperature quickly. When approaching the desired temperature, the system maintains at a constant temperature without wasting energy, offering significant energy savings.



**NON-INVERTER COMPRESSOR**  
Unstable cooling temperature & Energy Wastage from restarting compressor

The non-inverter system continually starts and stops to maintain at the preset temperature. The repeated start-and-stop operation requires excess energy to restart the motor, resulting in energy wastage.

# MORE CONVENIENCES WITH DAIKIN MOBILE CONTROLLER

NO MORE WORRIES!  
WHEREVER, WHENEVER...  
YOUR AIR CONDITIONERS  
CAN BE CONTROLLED!



## HOW DO DAIKIN MOBILE CONTROLLER WORK?



- 1 Adjust the air conditioner using the Daikin Mobile Controller application
- 2 The WiFi Router receives data from your phone and sends it to the receiver.
- 3 The receiver receives data and controls home comfort from wherever you are.

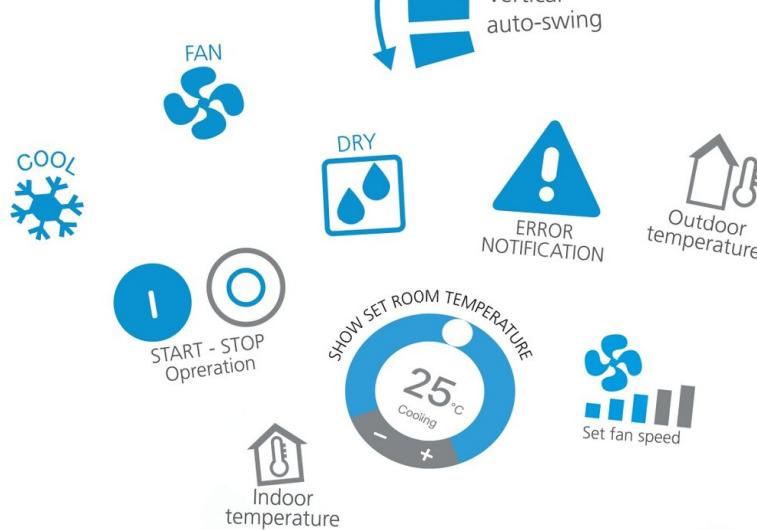
# Built in WIRELESS LAN CONNECTING ADAPTOR



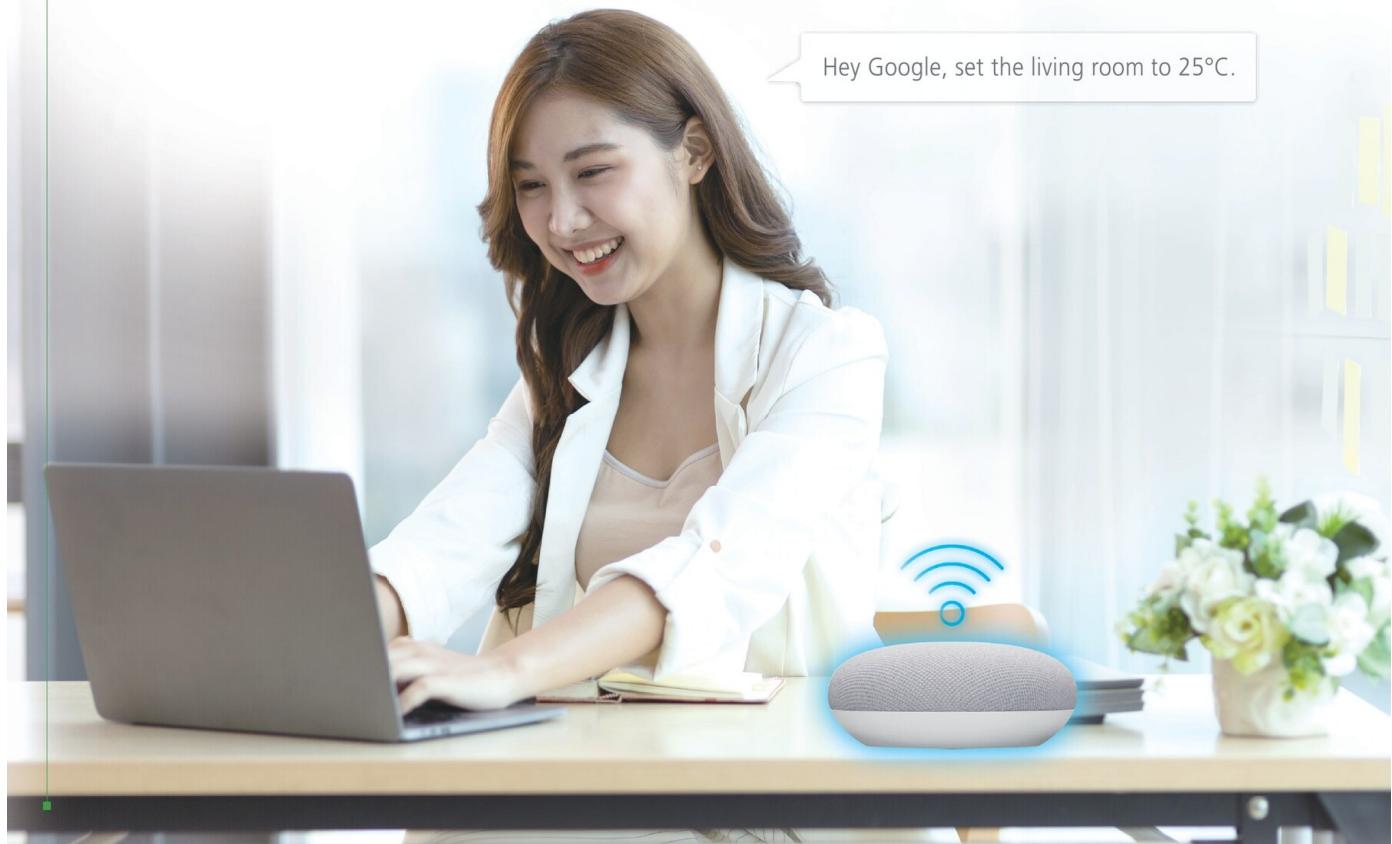
The Wireless LAN Connecting Adaptor (BRP072C42) is installed inside the indoor unit.



# VOICE CONTROL THROUGH YOUR SMART SPEAKER



Hey Google, set the living room to 25°C.



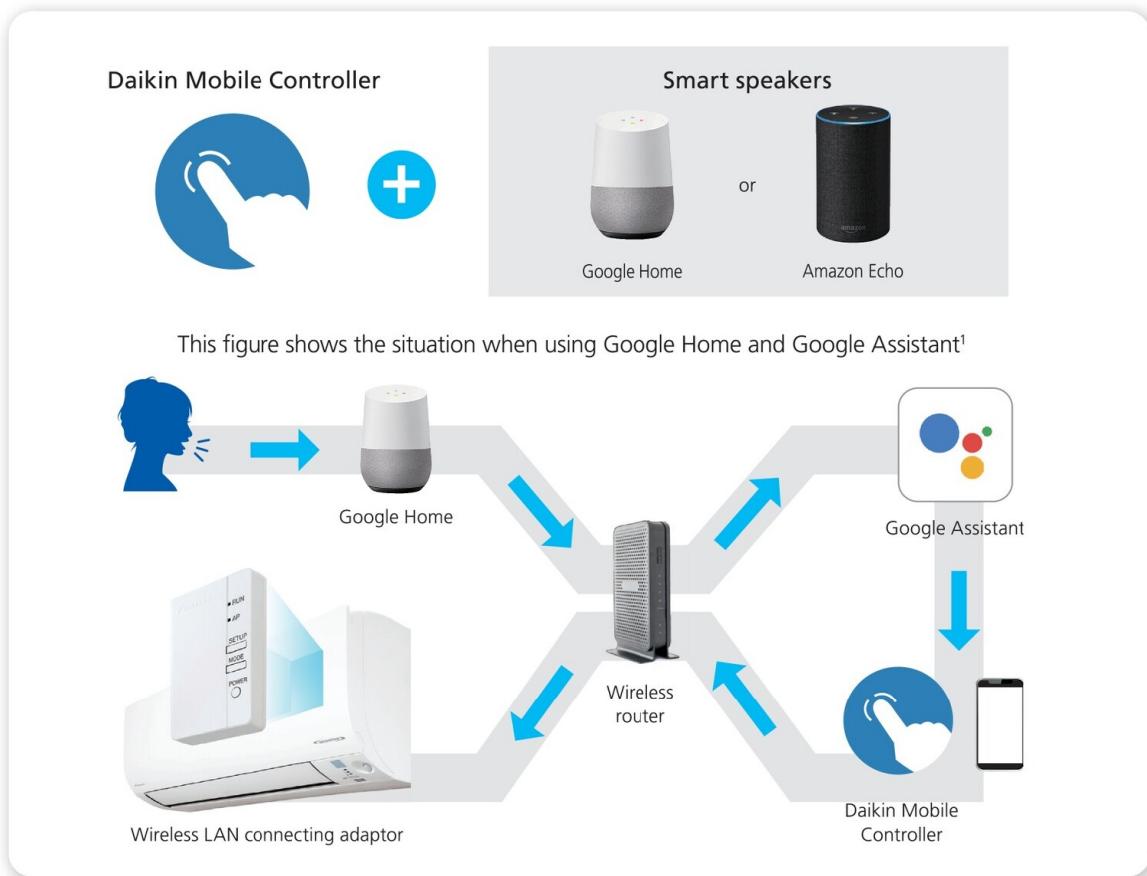


Daikin Mobile Controller

Google Assistant

Amazon Alexa

Daikin Mobile Controller can be used for voice control with Google Home<sup>1</sup> or Amazon Echo<sup>2</sup> smart speakers and their applications. You can now control the iSmart Envi series with your voice.



Function		Google Assistant	Amazon Alexa
Operating setting	ON/OFF	•	•
Operation mode setting	Automatic	•	•
	Cooling	•	•
	Dry	•	
	Fan only	•	
Temperature setting	Temperature adjustment	•	•
Fan speed setting	Auto	•	•
	Quiet	•	•
	Fan speed adjustment	•	•
Fan swing setting	OFF	•	•
	Up/Down	•	•
	Left/Right	•	•
	3D Mode	•	•
	Up/Down & Left/Right together	•	•
Temperature reading	Indoor temperature	•	•
	Outdoor temperature		•

Notes: 1. Google Assistant, the Google Assistant logo, Google Home and the Google Home logo are trademarks of Google LLC.

2. Amazon, Echo, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

3. Users need to prepare a smartphone, smart speaker and wireless router as well as these applications: Daikin Mobile Controller (free) and Google Assistant or Amazon Alexa.

The router may not be required depending on the conditions of existing LANs used to monitor or control air conditioners in houses and buildings.

4. The controllable operations differ depending on the model. Please confirm the availability of desired operations before purchasing.

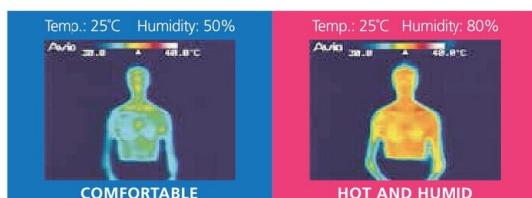
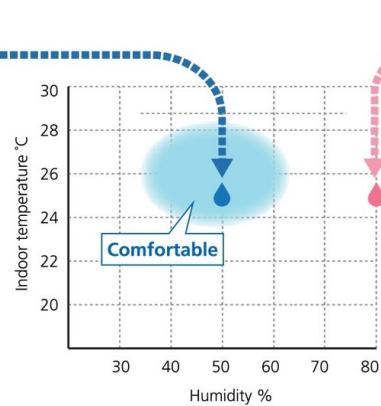
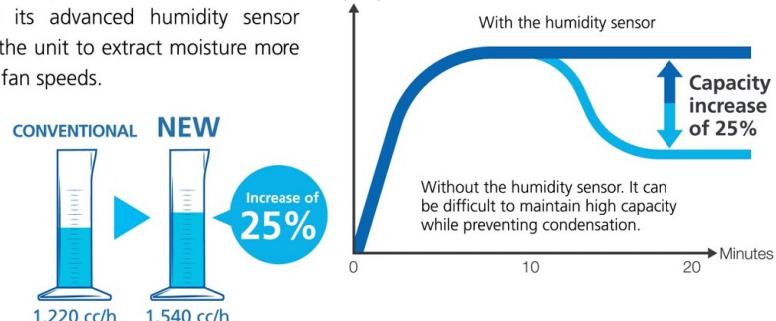
# Feel Fresh and Cool



## PROGRAMME DRY FUNCTION WITH HUMIDITY SENSOR

The iSmart Envi series delivers an impressive 25% increase in dehumidifying capacity<sup>1</sup>, thanks to its advanced humidity sensor technology. This new sensor enables the unit to extract moisture more effectively and efficiently, even at low fan speeds.

By optimizing dehumidification volumes just before condensation occurs inside the indoor unit, the iSmart Envi series delivers superior performance and comfort in any environment. Upgrade to the iSmart Envi series today and experience the difference for yourself.



## QUIETEST AT 19 dB(A)

iSmart Envi series offers whisper-quiet performance down to 19dB(A)\* to further to your sense of comfort.

20  
dB(A)

30  
dB(A)

40  
dB(A)

40  
dB(A)



Whisper



Quiet rural area



Bird calls



Library

\*I.D. temp 27 °CDB / 19°CWB, O.D. temp 35°C Cooling capacity is lowest one (A/C load is low.) The value is different by the operating condition of the air-conditioning load of the room to be used.



## WEEKLY TIMER

With Weekly Timer, you can easily schedule your air conditioner to turn on and off at specific times, as well as adjust temperatures according to your preferences. This powerful tool allows you to synchronize your AC unit with your family's daily routine, providing optimal comfort and convenience in your home. Say goodbye to manual adjustments and enjoy a more automated and efficient cooling experience with Weekly Timer!

### Bedroom Monday to Friday



## COMFORT AIRFLOW MODE

Discover the benefits of Comfort Airflow Mode! Now, you can keep uncomfortable drafts at bay. This innovative setting ensures a pleasant cooling experience by redirecting air and moving the flap upwards, preventing direct airflow onto the body.

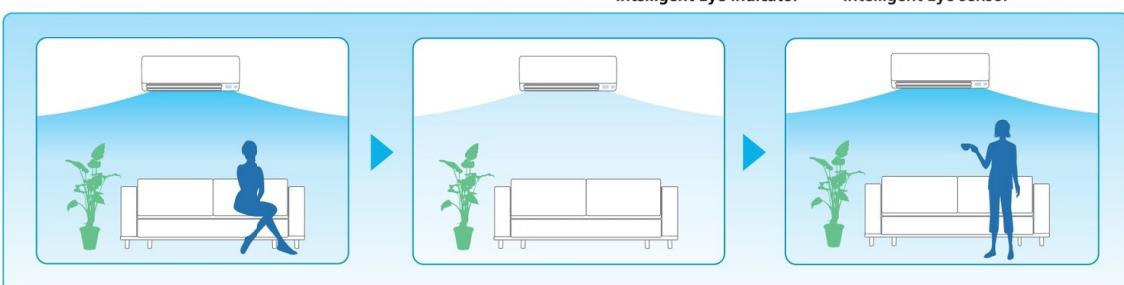


## INTELLIGENT EYE (AUTO ENERGY SAVING)

Intelligent Eye prevents energy wastage by using its infrared sensors 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.



Intelligent Eye indicator      Intelligent Eye sensor



Note: 1. The FTKM-X series' dehumidifying capacity is higher than conventional DC Inverter models.

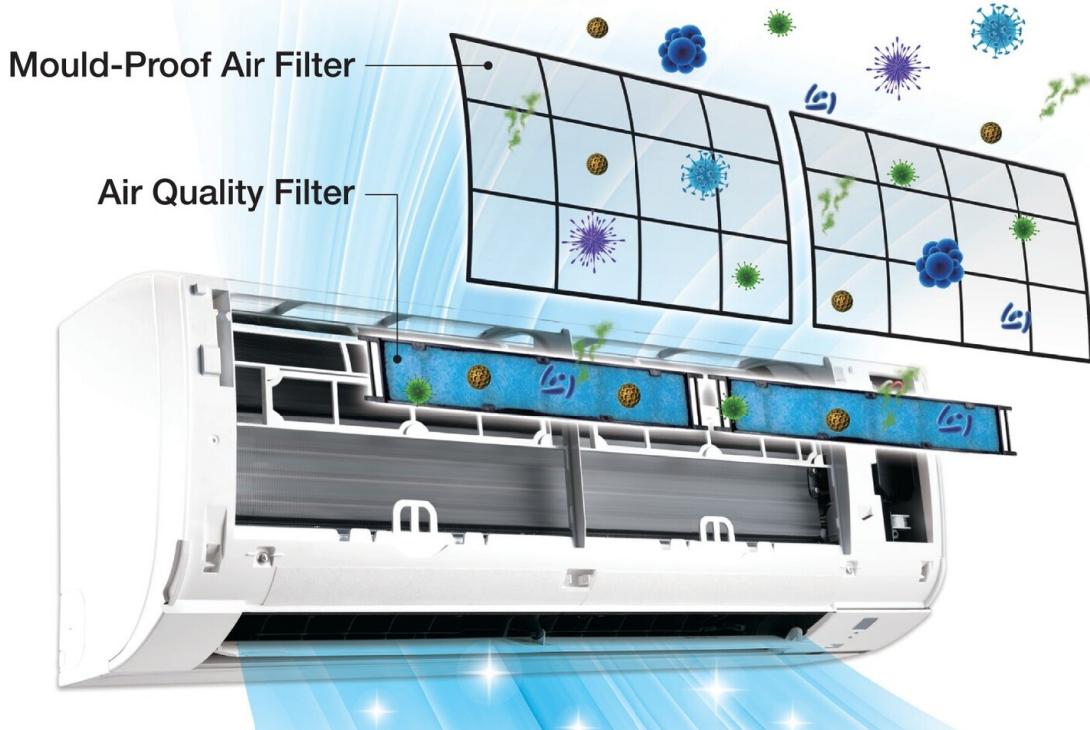
This is based on an in-house simulation of dehumidifying capacity with conventional dehumidification control (Programme Dry Function).

[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: FTKM35X model 1,540 cc/h, conventional 1,220 cc/h

# Clean Air PURIFYING ELIMINATING BACTERIA, VIRUSES AND PM 2.5



## AIR QUALITY FILTER (ENZYME BLUE/PM 2.5)<sup>1</sup>

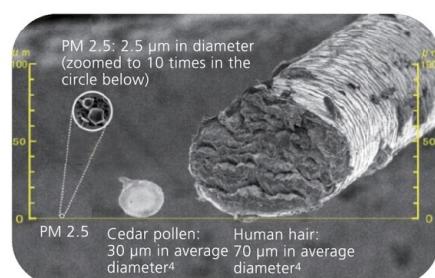
This new filter combines a deodorising filter (Enzyme Blue) and dust collection filter (PM 2.5). It absorbs and removes household odours, allergic substances, bacteria and viruses as well as PM 2.5. It also decomposes allergic substances using artificial enzymes. These enzymes break down the protein bonds of allergens, making them harmless.



## INVISIBLE PARTICLES SMALL ENOUGH TO PENETRATE THE LUNGS

PM 2.5 refers to particulate matter which is smaller than 2.5 micrometres ( $\mu\text{m}$ ) and does not indicate a specific substance. PM 2.5 is small enough to be breathed deep into the lungs. This may cause respiratory diseases and impact circulatory systems<sup>2</sup>.

PM 2.5 is produced when substances are burned in boilers, incinerators and vehicle engines. It also occurs when sulphur and nitrogen oxides emitted from thermal power plants react with light and ozone in the air<sup>3</sup>.



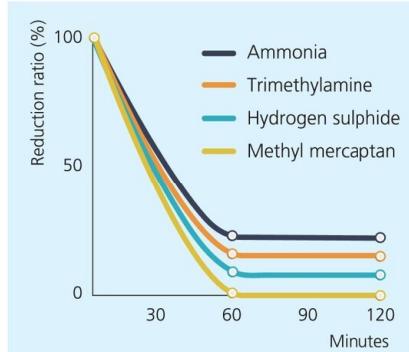
Notes: 1. This filter is not a medical device and it does not have any certification. The effectiveness of the filter depends on the room conditions and usage of the air conditioner.  
 2. This information is sourced from the Japan Medical Association, <https://www.med.or.jp/forest/keyword/pm25/02.html>.  
 3. 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](http://www.kankyo.metro.tokyo.jp/air/air_pollution/torikumi/pm2_5/pm2_5.html).  
 4. The figures are sourced from the Office of Research and Development of the US Environmental Protection Agency.

## Removes 90% of four particles causing household odours within one hour

Household odours include body, rubbish, pet, toilet, tobacco and others. They all contain one or more of the following four particles: ammonia, trimethylamine, hydrogen sulphide and methyl mercaptan.

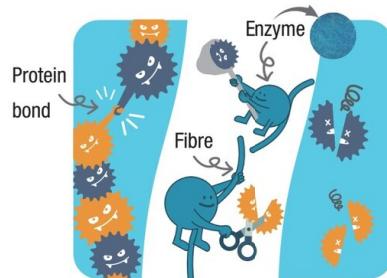


Test method: JEM1467



## Removes and decomposes 25 allergic substances

The filter decomposes allergic substances using artificial enzymes. These enzymes break down the protein bonds of allergens, making them harmless.



**Pollen:** Cedar (2 types), orchard grass, giant ragweed, birch, goldenrod, mugwort, phleum pratense, anthoxanthum odoratum

**Animal:** Dermatophagoïdes farinae (2 types), dermatophagoïdes pteronyssinus (2 types), cat dander, dog dander, cockroach (2 types), rat, flea

**Mould:** Alternaria, cladosporium herbarium, hormodendrum hordei, penicillium notatum, penicillium digitatum, candida albicans

Test method: Elisa method

## Removes and decomposes 99.9% of bacteria

Bacterial type	Possible infectious disease <sup>1</sup>	Number of inoculated bacteria		Percentage reduction
		Before test	After test	
Staphylococcus aureus	Skin infections, respiratory infections	Approx. 20,000	< 20	
Escherichia coli (E. coli)	Food poisoning	Approx. 20,000	< 20	
Klebsiella pneumoniae	Pneumonia, bloodstream infections	Approx. 20,000	< 20	
Pseudomonas aeruginosa	Pneumonia, bloodstream infections	Approx. 20,000	< 20	
MRSA	Skin infections	Approx. 20,000	< 20	
Moraxella	Respiratory infections	Approx. 20,000	< 20	

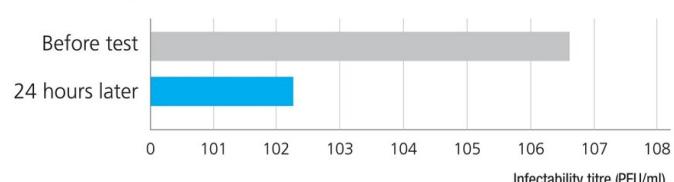
Test method: JIS L 1902:2015 absorption method

Note: 1. This section provides just a few examples of the many possible infections.

99.9%

## Removes and decomposes viruses

The filter reduces virus infectivity titres to less than 1/1,000.



Test method: JIS L 1922

Test virus: Influenza A virus (H3N2)

Contact time: 24 hours at a temperature of 25 degrees

Infectivity titre measurement: Plaque assay

15 HDB FIT



Simple yet stylish indoor unit designed to blend gracefully with any interior layout of your home.

STYLISH & COMPACT  
*Design*



#### WITH THE COMPACT SIZE,

you can install our indoor units above the door at your home to solve space constraint as well as compliment your interior layout.\*

\*This compact size available for 2.5 and 3.5 kW



#### EASY INSTALLATION

Designed with your needs in mind, our compact outdoor unit allows easy installation through a narrow window or limited space.\*

\*This compact size available for 2.5 and 3.5 kW

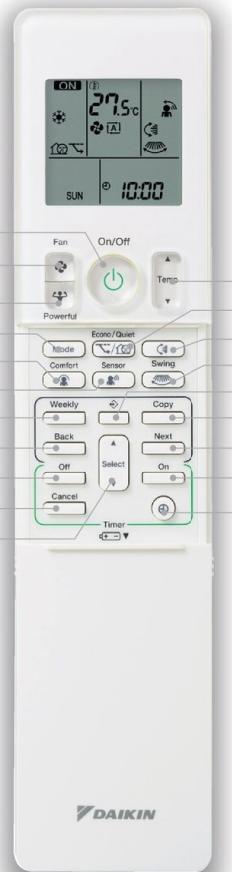


## WIRELESS REMOTE CONTROLLER

**NEW**  
**ARC466A29**

### FREQUENTLY USED FUNCTIONS

- 1 Start & Confirm Setting
- 2 Select Fan Speed
  - Auto Fan Speed
  - Indoor Unit Quiet Operation
- 3 Inverter Powerful Mode
- 4 Sets Room Temperature
  - 0.5°C Step Setting
- 5 Select Mode (Cooling / Dry / Fan Only)
  - Econo Mode
  - Outdoor Unit Quiet Operation
- 7 Set Vertical Airflow
- 8 Set Horizontal Airflow
- 9 Comfort Airflow Mode
- 10 Intelligent Eye Mode



- 11 Weekly Timer Setting
- 12 Goes Back
- 13 24 Hour Off Timer
  - Night Set Mode
- 14 Cancels Timer
- 15 Select Timer Option (Mode, Setting, Day, Time & Temperature)
- 16 Start & Confirm Setting
- 17 Copy Setting
- 18 Goes Next
- 19 24 Hour On Timer
- 20 Sets Clock

**NEW**

### Temperature Adjustments of 0.5°C

Temperatures can be set in precise steps of 0.5°C, allowing you to make fine adjustments for optimum comfort.

These subtle changes are useful when you need to make temperatures "slightly higher" or "slightly lower".

They also mean you do not have to constantly readjust the set temperature, helping to lower power consumption.

*0.5°C Step Setting*

### WEEKLY TIMER



Beside ON/OFF operation, our weekly timer enables you to schedule setting for day, time and temperature. You can customize your desired temperature at the different time of each day of the week up to 4 timer settings.\*

\*6 timer settings a day if via "Daikin Mobile Controller"



## Comfortable Airflow



### Power-Airflow Flap

The Power-Airflow Flap flattens out during cooling operation to deliver cool air to the corners of a room. This function is available for the 2.5 and 3.5 kW models.



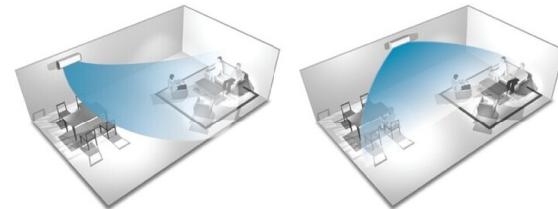
### Power-Airflow Dual Flaps

The Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room. This function is available for the 5.0 to 7.1 kW models.



### 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.



### 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 air.



### Comfort Airflow Mode

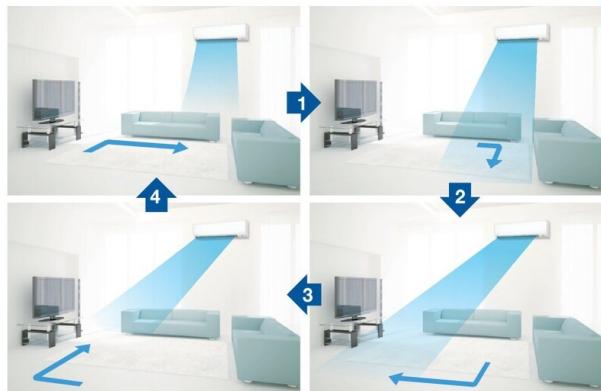
This function prevents uncomfortable drafts from blowing directly on to the body. To prevent drafts, the flap moves upward during cooling operation.

► See page 12



### 3D Airflow

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



## Lifestyle Convenience



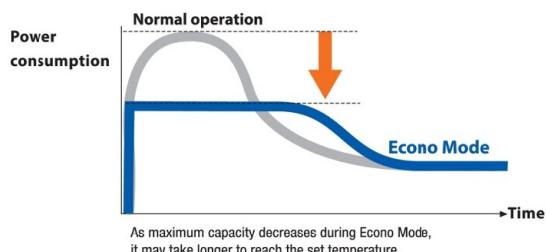
### Standby Electricity Saving

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



### Econo Mode

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



### 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.



### Wireless Remote Controller with Backlight

The backlit LCD allows easy operation in the dark.



### Daikin Mobile Controller

This built-in wireless LAN connecting adaptor and its application Daikin Mobile Controller turn a smartphone into a remote controller which 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. Voice control is available using smart speakers and the Google Assistant or Amazon Alexa applications.

► See pages 7 and 8



### 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.



Indoor unit on/off switch

## 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.



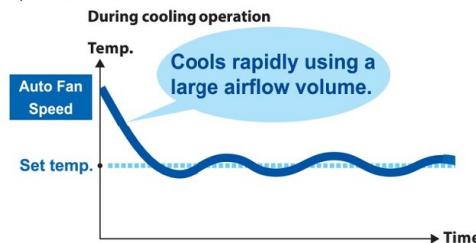
### Outdoor Unit Quiet Operation

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



### 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.



### 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 12



### Programme Dry Function with Humidity Sensor

This function significantly improves dehumidifying. It features a humidity sensor with the ability to automatically adjust humidity even at low fan speeds.

► See page 11

## Cleanliness



### Air Quality Filter (Enzyme Blue/PM 2.5)

This filter combines deodorising and dust collection filters. It adsorbs and removes viruses, bacteria, odours and PM 2.5. It also breaks down allergens using artificial enzymes to make them harmless.

► See pages 13 and 14



### 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.

## 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 and enables a daily programme to be repeated on other days as required.

► See page 12



### 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.

## Worry Free



### Auto-Restart after Power Failure

The air conditioner memorises the settings for operation mode (automatic, 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.



### 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.



## WALL MOUNTED TYPE INDOOR UNIT

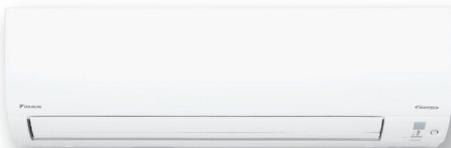
### FTKM25/35XVMG



Model name	Indoor unit		FTKM25XVMG	FTKM35XVMG
	Outdoor unit		RKM25XVMG	RKM35XVMG
Capacity	Rated (Min.-Max.)	kW	2.5 (1.2-3.4)	3.5 (1.3-4.0)
		Btu/h	8,500 (4,100-11,600)	11,900 (4,400-13,600)
Power supply			1 phase, 230 V, 50 Hz	
Running current	Rated	A	2.7	4.2
Power consumption	Rated (Min.-Max.)	W	510 (160-880)	910 (160-1,100)
COP		W/W	4.90	3.85
Weighted COP		kWh/kWh	5.71	4.82
Indoor unit			FTKM25XVMG	FTKM35XVMG
Front panel colour			White	
Airflow rate	H	m <sup>3</sup> /min(cfm)	12.2 (429)	
Fan speed			5 steps, quiet and automatic	
Sound pressure level	H/L/SL	dB (A)	46/26/19	47/27/20
Dimensions	H x W x D	mm	285 x 770 x 223	
Machine weight		kg	9	
Outdoor unit			RKM25XVMG	RKM35XVMG
Casing colour			Ivory white	
Compressor	Type		Hermetically sealed swing type	
	Motor output	W	650	
Refrigerant	Type		R-32	
	Charge volume	kg	0.70	
Sound pressure level	H/SL	dB (A)	48/43	48/44
Dimensions	H x W x D	mm	550 x 675 x 284	
Machine weight			26	
Operation range	Cooling	C°DB	19.4 to 46	
	Liquid		Ø 6.4	
Piping connection	Gas	mm	Ø 9.5	
	Drain		Ø 16.0	
Max. piping length		m	15	
Max. level difference			12	

# WALL MOUNTED TYPE INDOOR UNIT

**FTKM50/60/71XVMG**



FTKM50/60/71XVMG



RKM50/60/71XVMG

Model name	Indoor unit		FTKM50XVMG	FTKM60XVMG	FTKM71XVMG
	Outdoor unit	RKM50XVMG	RKM60XVMG	RKM71XVMG	
Capacity	Rated (Min.-Max.)	kW	5.0 (1.4-6.0)	6.0 (1.9-7.0)	7.1 (2.1-7.5)
		Btu/h	17,100 (4,800-20,500)	20,500 (6,500-23,900)	24,200 (7,200-25,600)
Power supply				1 phase, 230 V, 50 Hz	
Running current	Rated	A	5.4	6.8	9.3
Power consumption	Rated (Min.-Max.)	W	1,220 (360-1,740)	1,560 (360-2,000)	2,100 (400-2,650)
COP		W/W	4.10	3.85	3.38
Weighted COP		kWh/kWh	5.01	4.70	4.40
<b>Indoor unit</b>			<b>FTKM50XVMG</b>	<b>FTKM60XVMG</b>	<b>FTKM71XVMG</b>
Front panel colour				White	
Airflow rate	H	m <sup>3</sup> /min(cfm)	17.6 (621)	19.0 (671)	
Fan speed				5 steps, quiet and automatic	
Sound pressure level	H/L/SL	dB (A)	48/34/27	48/35/29	50/37/29
Dimensions	H x W x D	mm		295 x 990 x 263	
Machine weight		kg		13	
<b>Outdoor unit</b>			<b>RKM50XVMG</b>	<b>RKM60XVMG</b>	<b>RKM71XVMG</b>
Casing colour				Ivory white	
Compressor	Type			Hermetically sealed swing type	
	Motor output	W	1,200	1,300	
Refrigerant	Type			R-32	
	Charge volume	kg	1.00	1.05	
Sound pressure level	H/SL	dB (A)	49/43	51/46	
Dimensions	H x W x D	mm		595 x 845 x 300	
Machine weight		W	36	40	
Operation range	Cooling	C°DB		19.4 to 46	
	Liquid			Ø 6.4	
Piping connection	Gas	mm	Ø12.7	Ø15.9	
	Drain			Ø16.0	
Max. piping length		m		30	
Max. level difference				20	

Measurement conditions

1. Cooling capacity is based on: indoor temp. 27°C DB, 19°C DB; outdoor temp. 35°C DB; piping length 7.5 m.
2. Sound pressure levels are measured in an anechoic chamber based on temperature condition 1 above.

These values are normally somewhat higher during actual operation as a result of ambient conditions.

**Indoor Unit**

No.	Item	FTKM25/35X	FTKM50/60/71X
1	Remote control PC-board set	*3 BRP067A42	BRP980B42
2	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact)		KRP413BB1S
3	Wireless LAN connecting adaptor	*1*3	BRP072C42
4	Titanium apatite deodorising filter		KAF970A46
5	Dust collection filter (PM 2.5)		BAFP046A41
6	Deodorising filter (enzyme blue)		BAFP094A41
7	Air quality filter (enzyme blue/PM 2.5)	*2	BAFP094A43
8	Remote controller loss prevention with chain		KKF910A4

Notes: \*1. A remote control PC-board set (BRP067A42 or BRP980B42) is also required for each indoor unit.

\*2. The filter is a standard accessory.

\*3. This adaptor is a standard device.



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 harnesses (two units: Type A and Type B), screws (two pieces), double-faced tape (two pieces), holder, installation manual



Titanium apatite deodorising filter KAF970A46



Dust collection filter (PM 2.5) BAFP046A41

**Outdoor Unit**

No.	Item	RKM25/35/50/60/71X
1	Air direction adjustment grille	KPW937F4
2	Drain plug	*1 KKP937A4

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



Air direction adjustment grille  
KPW937F4



Drain plug  
KKP937A4

**Control System**

No.	Item	FTKM25/35X	FTKM50/60/71X
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.



Central remote controller  
DCS302CA61



Unified On/Off controller  
DCS301BA61



Schedule timer  
DST301BA61

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Saturday, Sunday & Public Holiday: Closed

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