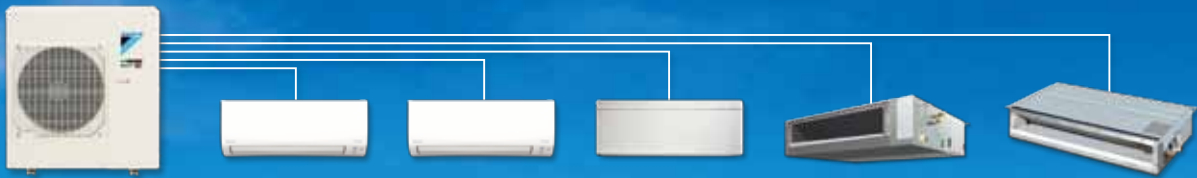




# SUPER MULTI *NX*

## Multi-Split Type Air Conditioners

DC Inverter Control   Reverse Cycle 50 Hz   **R-32**



# Daikin New Multi-Split Air Conditioner

As a global air conditioning leader, Daikin is continually researching and identifying new and innovative ways to improve the performance of our products while simultaneously reducing their environmental impact. Our new Super Multi NX multi-split system utilises R-32 refrigerant, which provides higher energy efficiency and lower global warming impact than R410A-based air conditioning.

The Super Multi NX outdoor unit is also capable of efficiently sharing capacity between several indoor units. Each indoor unit can be individually controlled to suit your specific requirements. This means airflow, temperature settings and scheduling can all be adjusted to meet personal preferences, delivering whole house comfort for everyone.



# Heating and Cooling the Modern Home

## Features

1. Outdoor unit connectable to five indoor units
2. Low environmental impact R-32 refrigerant
3. Energy-saving and powerful multi-split system
4. Comfort functions with individual control
5. Wide indoor unit lineup from 2.0 to 9.5 kW





## Contents

Single Outdoor Unit Connectable to up to Five Indoor Units .....	Page 5
Next-Generation R-32 Refrigerant .....	Page 7
Small yet Powerful Multi System Connectable at up to 181% .....	Page 9
Lower Power Consumption .....	Page 11
Efficient Operation with No Further Setting .....	Page 13
Individual Control with Less Energy Wastage .....	Page 15
Timer and Set Temperature: Critical Points for Energy Savings .....	Page 17
Quiet Nights in Your Neighbourhood .....	Page 19
Wide Indoor Lineup Suitable for All Your Rooms .....	Page 21
Function List .....	Page 23
Wall-Mounted Type CTXJ-T Series .....	Page 25
Wall-Mounted Type CTXM-R Series .....	Page 27
Duct-Connected Type CDXP-R, CDXM-R and FMA-R Series .....	Page 29
Ceiling-Mounted Cassette Type FFA-R Series .....	Page 31
Functions .....	Page 33
Specifications .....	Page 35
Options .....	Page 38
Capacity Tables .....	Page 39

# Single Outdoor Unit Connectable to up to Five Indoor Units










## Outdoor Unit

	Model name	Capacity class	Max. connected indoor unit capacity	Max. piping length	Max. level difference	
Connectable to up to <b>3</b> indoor units	 Reverse cycle	<b>3MXM52R1VMA</b>	5.2 kW	9.0 kW	50 m	15 m
Connectable to up to <b>4</b> indoor units	Reverse cycle	<b>4MXM68R1VMA</b>	6.8 kW	11.0 kW	60 m	15 m
	Reverse cycle	<b>4MXM80R1VMA</b>	8.0 kW	14.5 kW	70 m	15 m
Connectable to up to <b>5</b> indoor units	 Reverse cycle	<b>5MXM100R2VMA</b>	10.0 kW	15.6 kW	80 m	15 m

## Possible Combinations for Indoor and Outdoor Units

	kW class	2.0	2.5	3.5	4.6	5.0	6.0	7.1	8.5	9.5
Reverse cycle	<b>3MXM52R1VMA</b>	●	●	●	●	●				
	<b>4MXM68R1VMA</b>	●	●	●	●	●	●			
	<b>4MXM80R1VMA</b>	●	●	●	●	●	●	●		
	<b>5MXM100R2VMA</b>	●	●	●	●	●	●	●	●	●

## Indoor Unit

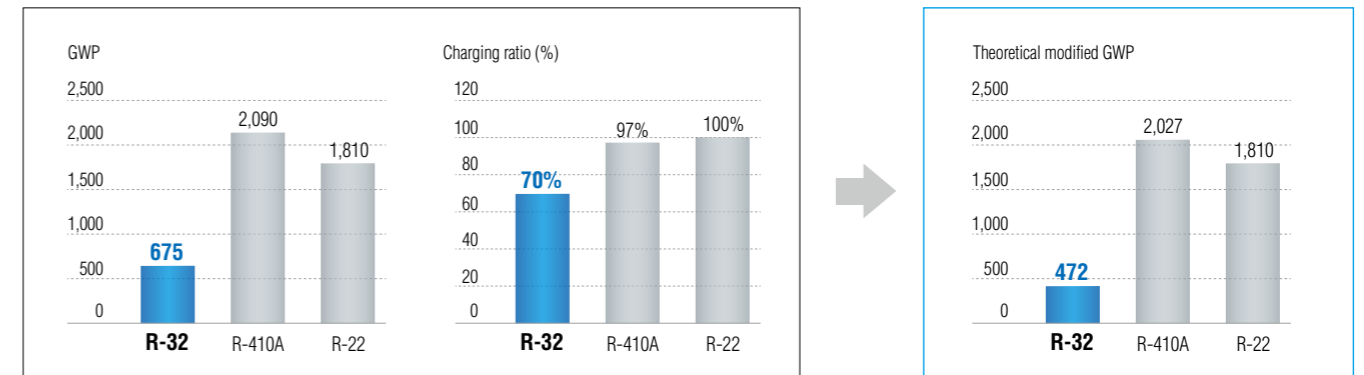
	kW class	2.0	2.5	3.5	4.6	5.0	6.0	7.1	8.5	9.5
<b>Wall-Mounted Type CTXJ-T Series</b>										
 Reverse cycle			CTXJ25TVMAW	CTXJ35TVMAW		CTXJ50TVMAW	CTXJ60TVMAW			
 Reverse cycle			CTXJ25TVMAK	CTXJ35TVMAK		CTXJ50TVMAK	CTXJ60TVMAK			
<b>Wall-Mounted Type CTXM-R Series</b>										
 Reverse cycle		CTXM20RVMA	CTXM25RVMA	CTXM35RVMA	CTXM46RVMA					
 Reverse cycle						CTXM50RVMA	CTXM60RVMA	CTXM71RVMA		
 Reverse cycle									CTXM85RVMA	CTXM95RVMA
<b>Duct-Connected Type Low external static pressure</b>										
 Reverse cycle			CDXP25RVMA	CDXP35RVMA						
 Reverse cycle			CDXM25RVMA	CDXM35RVMA		CDXM50RVMA	CDXM60RVMA	CDXM71RVMA		
<b>Middle external static pressure</b>										
 Reverse cycle						FMA50RVMA	FMA60RVMA	FMA71RVMA		
<b>Ceiling-Mounted Cassette Type</b>										
 Reverse cycle			FFA25RV1A	FFA35RV1A		FFA50RV1A	FFA60RV1A			

# Next-Generation R-32 Refrigerant

Daikin is the sole worldwide manufacturer of both air conditioning equipment and refrigerants. We are continuously researching refrigerants as well as new technologies which can reduce energy consumption. With climate change now a critical issue, low impact refrigerants are urgently required. We have adopted R-32, a next-generation refrigerant which does not deplete the ozone layer and has minimal effect on global warming.



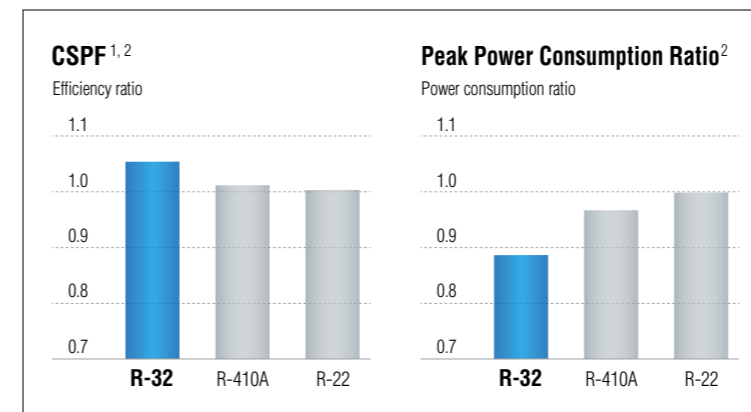
## Reduced Impact on Global Warming



With greenhouse gases such as R-22 and R-410A and also CO<sub>2</sub> rising, it is becoming more difficult for the planet to discharge heat. As a result, temperatures are gradually increasing worldwide. This change is what we usually call global warming.

R-32 has only around 30% of the GWP of R-22 and R-410A. It is also more energy efficient and 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-410A.

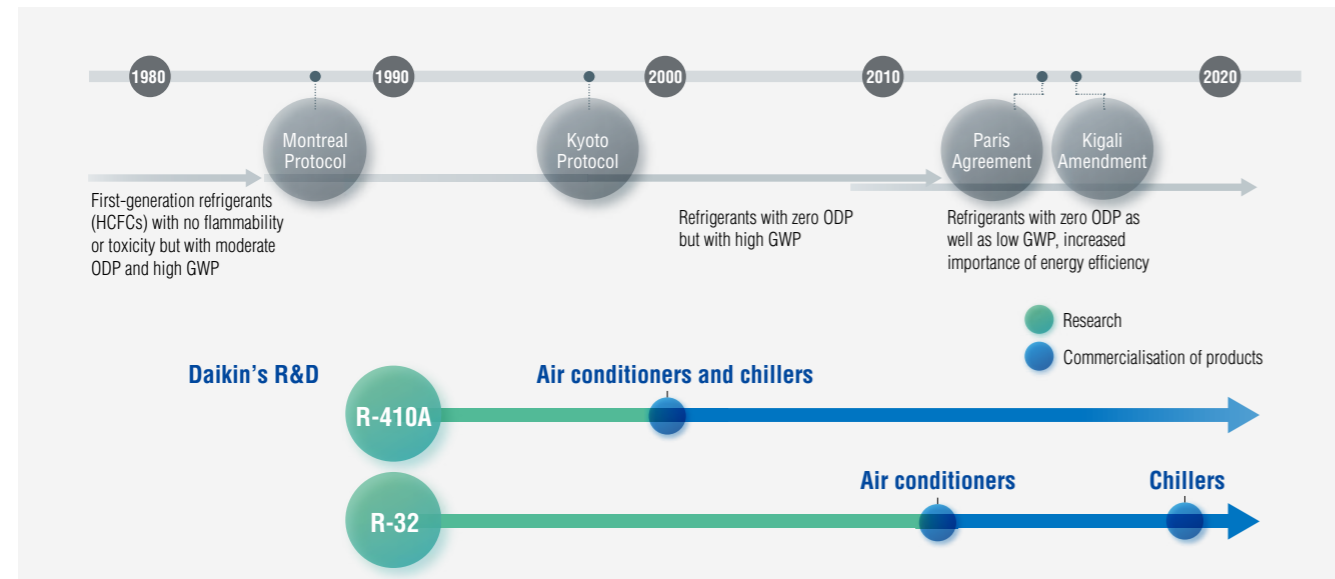
## Energy Efficient R-32



The cooling seasonal performance factor (CSPF)<sup>1</sup> of R-32 is higher than conventional refrigerants. Its peak power consumption is also lower, helping to alleviate power shortages in large cities during periods of high demand.

Notes: 1.  $CSPF = \frac{\text{Performance during cooling operation}}{\text{Sum total of power consumption during operation}}$   
 2. Preconditions for calculations:  
 • 3.5 kW split-type cooling only model  
 • CSPFs are calculated based on ISO/DIS16358-1.  
 • Peak power consumptions are based on indoor/outdoor temperatures of 27/35°CDB.  
 • Values show test results in Asia, which includes India, Indonesia and Malaysia, but not China.

## Changes in Global Refrigerant Trends



The ozone layer surrounds the Earth and helps to absorb the harmful ultraviolet rays in sunlight. While R-22 (HCFC) refrigerant has been used in many air conditioners and refrigerators, research shows it damages the ozone layer. For this reason, its use was to be mostly eliminated by 2020. To replace R-22, Australia, Taiwan, Japan, and more progressive European countries as well as Central and South American countries have chosen R-410A (HFC).

However, R-410A also has issues related to its high global warming potential (GWP). Recent trends following the Paris Agreement and Kigali Amendment have created an urgent need for replacement refrigerants with both zero ozone depletion potential (ODP) and low GWP.

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

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

## Worldwide Promotion of R-32

Cumulative sales of 160 million units using R-32



Daikin launched a residential air conditioner which uses R-32 in the Japanese market in 2012. It was the world's first R-32 model. To promote the use of this new refrigerant, we have also released basic patents on air conditioner production and sales free of charge.

This will help manufacturers in each country to produce new systems. We also provide technical and background seminars and other programs to support R-32 adoption. As of June 2021, we estimate approximately 160 million units have been sold by our company and other manufacturers.

# Small yet Powerful Multi System

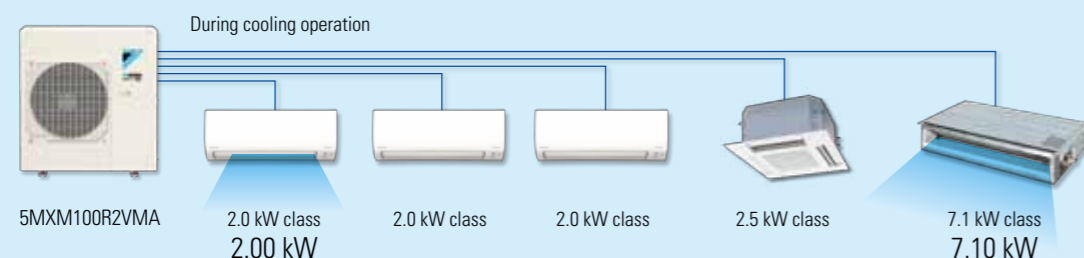
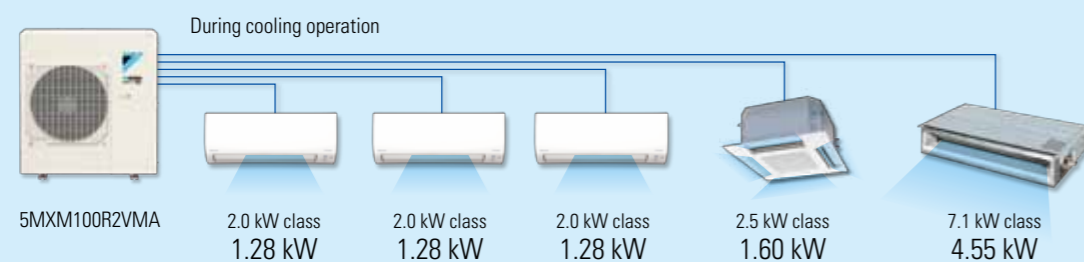
## Connectable at up to 181%

In most homes, people shift between large living areas during the day and the bedrooms at night. As this happens, The multi-split system seamlessly redistributes capacity. This allows one powerful outdoor unit to support indoor units up to 181% of its rated capacity, economically air conditioning your entire home.



Reverse cycle models	3MXM52R1VMA	4MXM68R1VMA	4MXM80R1VMA	5MXM100R2VMA
Max. connected indoor unit capacity	9.0 kW	11.0 kW	14.5 kW	15.6 kW
Ratio	173%	162%	181%	156%

The outdoor unit divides capacity between the indoor units as needed.



### Super Powerful

Super Powerful mode boosts airflow to high volume for 20 minutes or until the set temperature is reached, enabling rapid cooling or heating of any room. This function is extremely convenient when guests visit unexpectedly or you are just about to go to bed. Even if all indoor units are operating, capacity is immediately diverted to the unit for which you press the Powerful button. Only multi-split systems can adjust capacity between units in this way.

This function is available with wall-mounted CTXM-R models and duct-connected, low external static pressure models when using wireless remote controllers.



During cooling operation



After 20 minutes, your air conditioner automatically returns to its previous setting.

### Priority Room Setting

Priority Room Setting assigns priority control over Super Powerful and operation mode to a selected room. This enables a combination of individual and centralised control. Initial setting is required during installation to activate this function.


**Super Powerful:** When you select Super Powerful in a priority room, the indoor unit boosts airflow to high volume until the set temperature is reached. Even if all indoor units are operating, capacity is immediately diverted to the unit for which you press the Powerful button. The capacities of units in other rooms are automatically adjusted.

**Operation Mode:** The operation mode (cooling or heating) of the indoor unit in the priority room is given preference. If the modes of units in other rooms differ from the unit in the priority room, they wait on standby to begin operation. The operation mode cannot be changed from other rooms.



**Outdoor Unit Quiet Operation:** Outdoor unit operating sound pressure levels can be decreased from the rated operation sound using the wireless remote controller. If Priority Room Setting is activated during installation, this function can easily be set from the remote controller in the priority room<sup>1</sup>.

This function is available with wall-mounted models and duct-connected, low external static pressure models when using wireless remote controllers.

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

Note: 1. Unless a priority room is registered, Outdoor Unit Quiet Operation must be set from the remote controller for each indoor unit.

# Lower Power Consumption

Super Multi NX achieves EERs of 3.91 to 4.95 for cooling operation and COPs of 4.38 to 5.15 for heating operation thanks to Daikin's DC Inverter control and next-generation R-32 refrigerant.

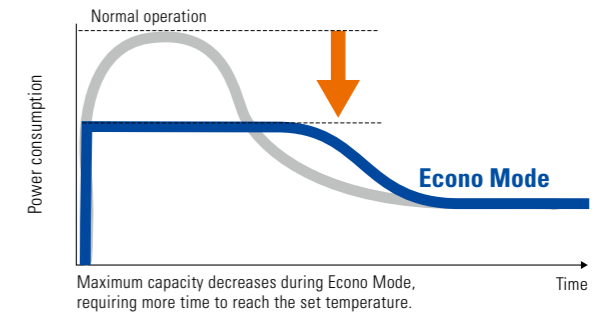


## Econo Mode

Most people use their home air conditioner during peak demand periods. Econo Mode prevents your inverter air conditioner operating at full capacity, helping to limit maximum power consumption.

This is particularly useful if the operating load is high, for example, at startup or during large gatherings and periods of direct sunshine. Activating Econo Mode helps to cut peak demand in your region.

This function is available with wall-mounted models and duct-connected, low external static pressure models when using wireless remote controllers.

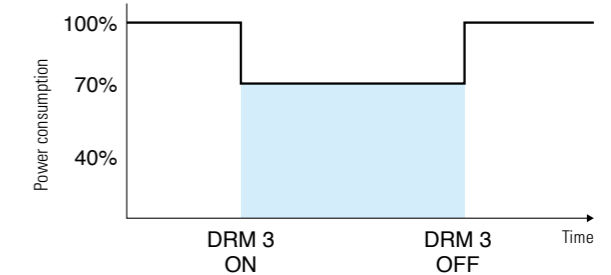


## Demand Response Enabling Device

All models feature Demand Response Enabling Device (DRED) capability compliant to AS/NZS 4755.3.1:2012.

This device is designed to enable electricity providers to reduce peak demand by reducing your air conditioner's maximum power consumption.

### EXAMPLE: Electricity Provider Activating DRM 3



### Demand response modes

	Power consumption upper limit
DRM 1	0%: Forcibly stops the compressor
DRM 2	40%
DRM 3	70%

## EERs and COPs

Capacity class (kW)	Model name	Indoor unit combinations <sup>1</sup>	Cooling operation			Heating operation		
			3	EER 4	(W/W) 5	3	COP 4	(W/W) 5
5.2	3MXM52R1VMA	2.0+2.0+5.0		4.95		5.15		
6.8	4MXM68R1VMA	2.0+2.0+2.0+5.0		4.39		4.94		
8.0	4MXM80R1VMA	2.5+3.5+3.5+5.0		4.02		4.38		
10.0	5MXM100R2VMA	2.0+2.5+2.5+2.5+6.0		3.91		4.72		

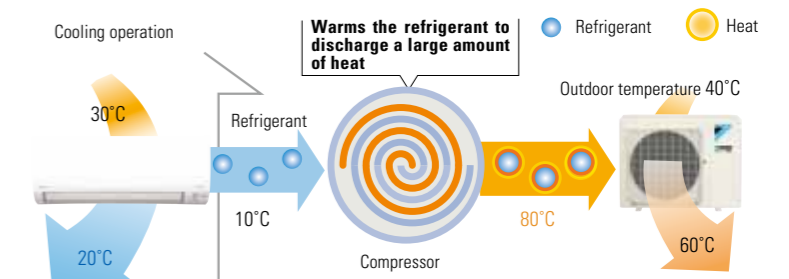
### What Are EER and COP?

An air conditioner's EER (energy efficiency ratio) for cooling operation and COP (coefficient of performance) for heating operation indicate how efficiently the unit uses energy. A higher EER and COP mean greater energy efficiency. They also mean lower electricity consumption, and of course lower power bills. AEER and ACOP are annualised versions of EER and COP. They are virtually the same thing but exclude standby power.

$$\text{EER and COP} = \frac{\text{Capacity (W)}}{\text{Power consumption (W)}}$$

## 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.

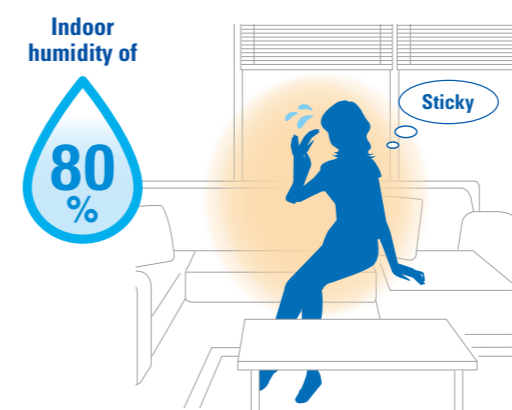
Note: 1. Indoor unit combinations show the configurations when each outdoor unit is operating at maximum capacity.

# Efficient Operation with No Further Setting

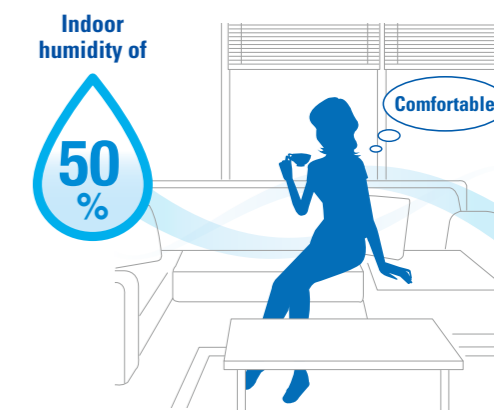
Daikin inverter air conditioners automatically operate at low capacity most of the time. Turning your system on and off means it has to operate at higher capacity to heat or cool a room. To save electricity, it is more efficient to continue operation at low capacity. Our multi-split system can automatically adjust the temperature and air volume while suppressing humidity to boost efficiency.



## Indoor temperature of 25°C



## Indoor temperature of 25°C



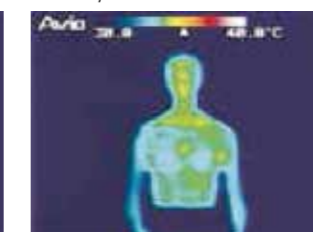
Humans release body heat by evaporating moisture on our skin, meaning we feel cooler with lower humidity. Daikin has used this knowledge to create a more comfortable balance between temperature and humidity.

Temp.: 25°C  
Humidity: 80%

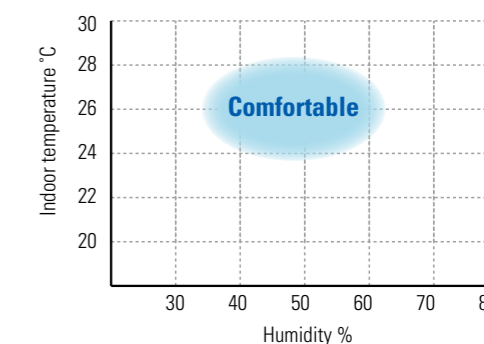


Hot and humid

Temp.: 25°C  
Humidity: 50%



Comfortable

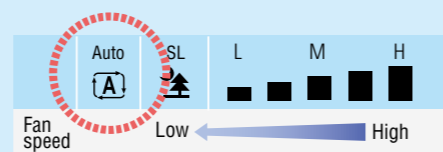


People can experience the same comfort with an indoor humidity of 40 to 60% even at 2°C above the set temperature.

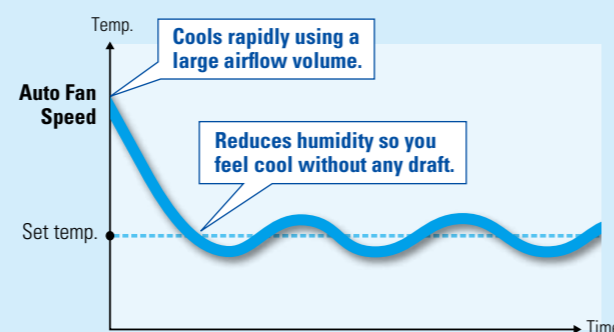
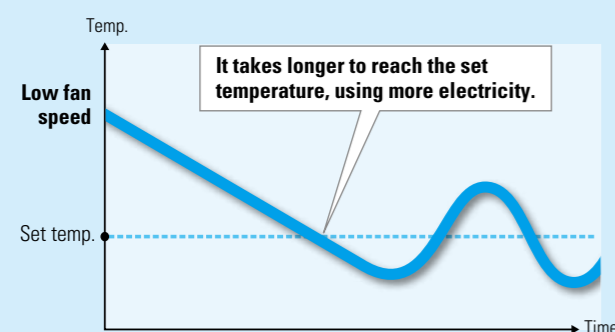


## Comfortable Auto Fan Speed

If you select Comfortable Auto Fan Speed, our multi-split system operates at maximum efficiency and comfort without any further setting. This function precisely maintains the room temperature using automatic control. After adjusting the fan speed to high to rapidly reach the set temperature, it switches to low. When the room and set temperatures are close, it slightly increases speed to reduce humidity and ensure a comfortable balance between temperature and humidity so you feel cool without any draft.<sup>1</sup>

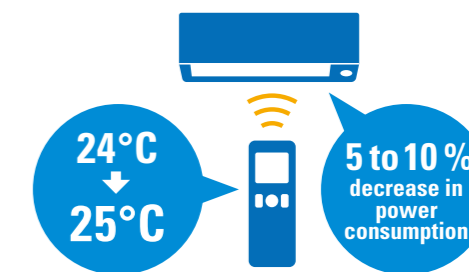


During cooling operation



## Save 10% with a 1°C Increase<sup>2</sup>

The temperature setting of an air conditioner is closely related to its power consumption. Raising the set temperature by just 1°C will produce a power saving of about 5 to 10% for cooling operation. When you are feeling hot, try increasing the air volume instead of lowering the set temperature. You will feel cooler and the increase in power use is slight compared to decreasing the set temperature.



Notes: 1. Suppression of humidity may not be possible depending on the heat load in a room.  
2. Based on information provided by the Department of the Environment and Energy, Commonwealth of Australia, September 2017 (<http://yourenergysavings.gov.au/guides/energy-saving-guide-northern-australia?page=2>).



# Individual Control with Less Energy Wastage

Daikin multi-split type provides both individual and centralised control. Selecting individual control allows you to operate each unit from its remote controller for more precise setting of air volume and temperature. The ability to maintain comfort without changing the set temperature or turning the unit on/off is highly effective for cutting energy wastage.

Pages 15 and 16 provide information on CTXM20/25/35/46R wall-mounted models with wireless remote controllers.



## 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.

## Selectable Airflow Patterns

Power use can be reduced by changing the airflow volume and direction as desired, without altering the set temperature or turning the power on/off. With the Super Multi NX, you can easily adjust these settings from the remote controller.

## Functions for Adjusting Airflow

### Directing airflow

#### Super Powerful

This advanced function boosts airflow until the set temperature is reached. It is available for heating and cooling operation.



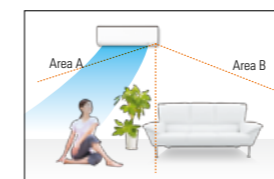
#### Heat Plus

Heat Plus provides quick, direct spot heating. It is available for heating operation on reverse cycle models.



#### Intelligent Eye (focus and comfort)

This function conveniently directs airflow towards people to increase cooling.

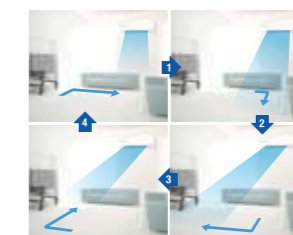


### Maintaining comfort



#### Vertical Auto-Swing (up and down) Horizontal Auto-Swing (left and right) 3D Airflow

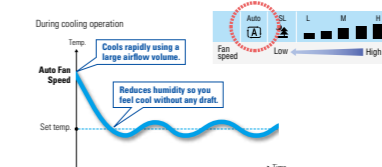
3D Airflow combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool or warm air right to the corners of even large spaces.



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

#### Comfortable Auto Fan Speed

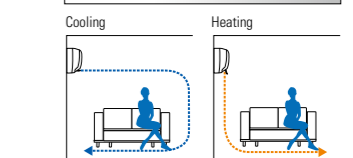
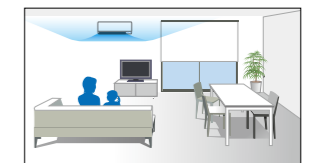
This function automatically controls fan speed for maximum efficiency and comfort. After rapidly cooling a room, it switches to low and then precisely adjusts speed to balance temperature and humidity.



### Preventing drafts

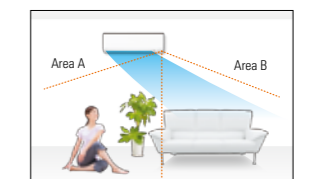
#### Comfort Airflow Mode

Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on a person's body. This setting redirects air by moving the flap upward during cooling operation and downward during heating operation.



#### Intelligent Eye (focus and comfort)

This function conveniently directs airflow away from people to prevent drafts.



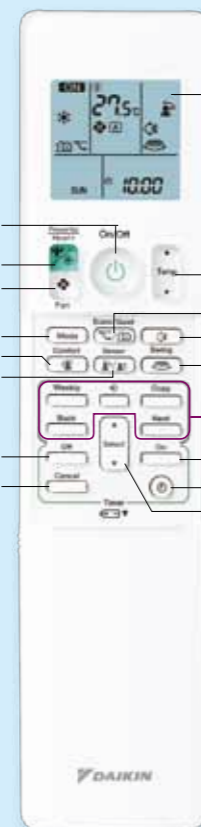
## Daikin Mobile Controller (optional adaptor)

The Daikin Mobile Controller application ensures a comfortable air conditioned environment is waiting whenever you return home. The application lets you manage your Super Multi NX from anywhere. Its optional adaptor is available for the wall-mounted type.



## Wireless Remote Controller Wall-Mounted Type CTXM20/25/35/46R

- 1 On and Off switch
- 2 Super Powerful and Heat Plus
- 3 Selects fan speed.
- 3 Comfortable Auto Fan Speed and Indoor Unit Quiet Operation
- 4 Selects operation mode: Cooling, Heating, Automatic, Dry and Fan Only
- 5 Comfort Airflow Mode
- 6 Intelligent Eye
- 7 24 Hour Off Timer and Night Set Mode
- 7 Count Up-Down Off Timer
- 8 Cancels timers.



- 9 Sets room temperature.
- 10 Econo Mode and Outdoor Unit Quiet Operation
- 11 Sets vertical airflow direction.
- 11 Vertical Auto-Swing and 3D Airflow
- 12 Sets horizontal airflow direction.
- 12 Horizontal Auto-Swing and 3D Airflow
- 13 Weekly Timer:
  - Deactivates, reactivates or deletes Weekly Timer settings.
  - Starts and completes settings.
  - COPY Copies settings.
  - BACK Moves back.
  - NEXT Moves forward.
- 13 24 Hour On Timer
- 13 Count Up-Down On Timer
- 14 Sets clock.
- 15 Selects timer, mode, setting significant number, day, time and temperature.

# Timer and Set Temperature: Critical Points for Energy Savings



Pages 17 and 18 provide information on FMA-R duct-connected models with wired remote controllers.

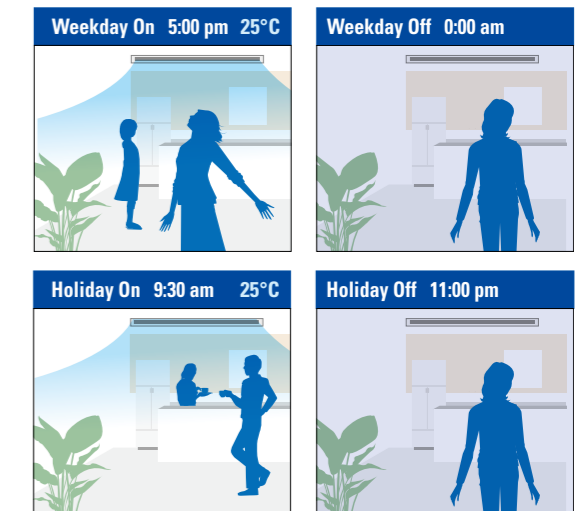


## Schedule Timer

The Schedule Timer allows up to five actions to be programmed for each day of the week. You can easily schedule on/off times and also set temperatures in advance for each of these periods. Once the weekly timer is set, the air conditioner operates each day without controller input. This means your system will constantly maintain a comfortable temperature and automatically turn itself off when you go out.

Control (example)	Details
Schedule Timer	Weekdays 25°C, 5:00 pm and 0:00 am Holidays 25°C, 9:30 am and 11:00 pm

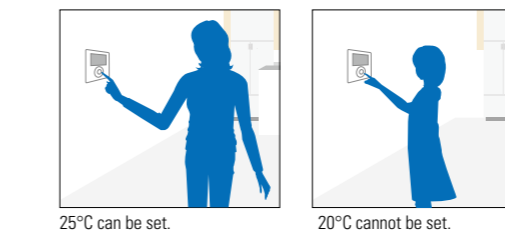
During cooling operation



## Set Point Restriction

This function saves energy by limiting the minimum and maximum set temperatures to avoid excessive heating or cooling. For example, if your children try to reduce the temperature to 20°C on a wired remote controller, the system will restrict the set point range to 23 to 28°C.

During cooling operation

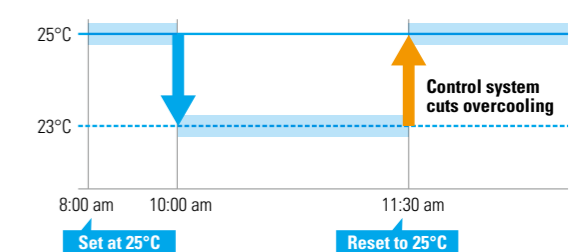


Control (example)	Details
Set Point Restriction	23 to 28°C during cooling operation

## Set Point Auto-Reset

If the set temperature is changed, this function will automatically return it to the preset level after a fixed period of time. This period can be selected from 30, 60, 90 and 120 minutes.

During cooling operation



Control (example)	Details
Set Point Auto-Reset	25°C, 90 minutes

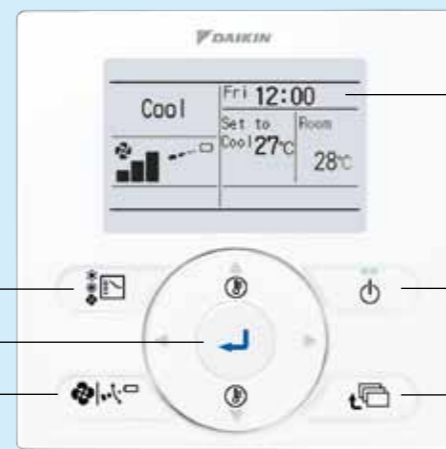
## Wired Remote Controller

Duct-Connected Type FMA-R Series

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

Menu and enter button

Auto Fan Speed



4 The backlit LCD allows easy operation in the dark.

5 Operation light On and Off switch

6 Cancel button

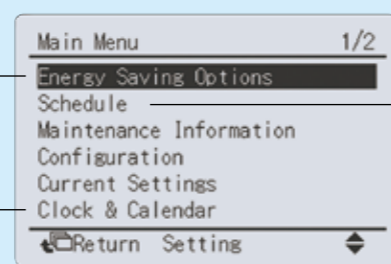
## Main Menu

### Energy Saving Options

Set Point Restriction  
Set Point Auto-Reset

### Clock & Calendar

72 Hour On/Off Timer



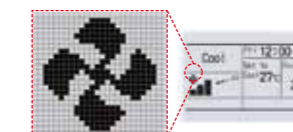
Schedule  
Schedule Timer

## Clear Display and Simple Operation

Wired remote controllers feature a dot matrix display, which means the icons are always sharp and clear. They also have a convenient backlight for easy viewing in the dark. Large buttons and arrow keys make it simple to select functions.

### Dot Matrix Display

The use of very fine dots enables the display of various icons. These dots also allow text to be larger and easier to see.



### Backlight Display

The backlight display makes it easy to change air volume or function settings even in the dark.

### Large Buttons and Arrow Keys

Buttons and arrow keys simplify operation, enabling intuitive setting of basic functions such as fan speed and temperature. Other more advanced functions can easily be selected from the menu list.

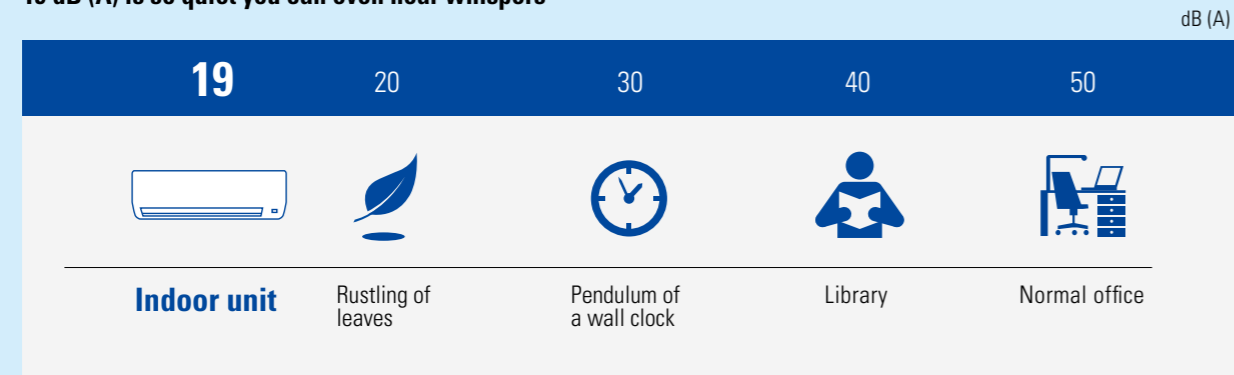


# Quiet Nights in Your Neighbourhood

Naturally you want to reduce operating sound to a minimum while sleeping and your neighbours also appreciate a quiet outdoor environment. Wall-mounted CTXM20/25/35R indoor units each provide a low sound pressure level of just 19 dB (A) while 3MXM52R outdoor unit is also extremely quiet at 43 dB (A).



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



## Indoor Unit Quiet Operation

This function 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 2 to 9 dB (A) below the Low setting.

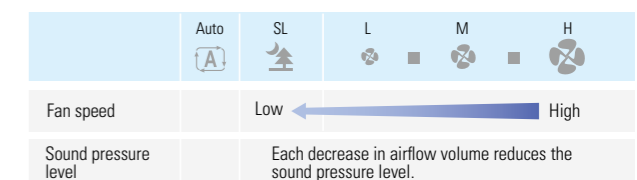
This wide range of settings allows you to precisely control the fan speed according to your needs. For example, the Quiet function will help you to sleep more comfortably at night. The indoor sound pressure level is just 19 dB (A) for the CTXM-R series from the 2.0 to 3.5 kW class indoor units.

This function is available with wall-mounted models and duct-connected models when using wireless remote controllers.

### CTXM20R during cooling operation

Fan speeds	Sound pressure levels
High (H)	38 dB (A)
Low (L)	25 dB (A)
Quiet (SL)	19 dB (A) <sup>2</sup>

6 dB (A)



## Outdoor Unit Quiet Operation

This function decreases the outdoor sound pressure level by 2 to 3 dB (A) below the rated operation. It provides a sound pressure level of 43 dB (A) for the 3MXM52R models.

Capacity may decrease when Outdoor Unit Quiet Operation is selected.

This function is available with wall-mounted models and duct-connected models when using wireless remote controllers.

### 3MXM52R during cooling operation

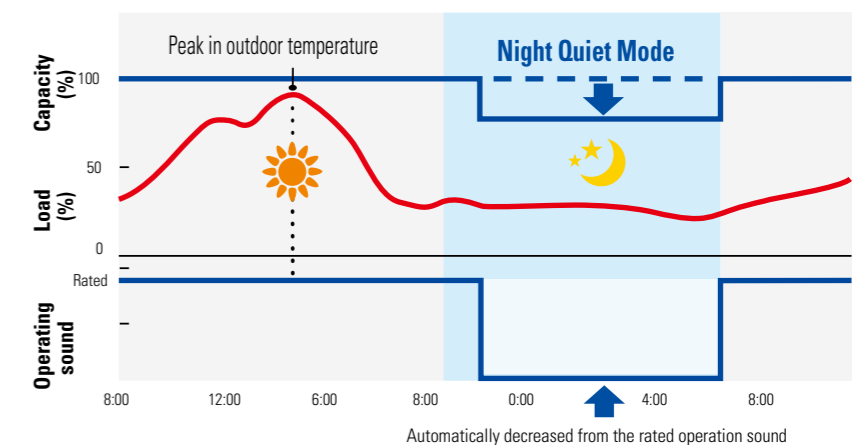
Operations	Sound pressure levels
Rated (H)	45 dB (A)
Quiet (SL)	43 dB (A)

2 dB (A)



## Night Quiet Mode

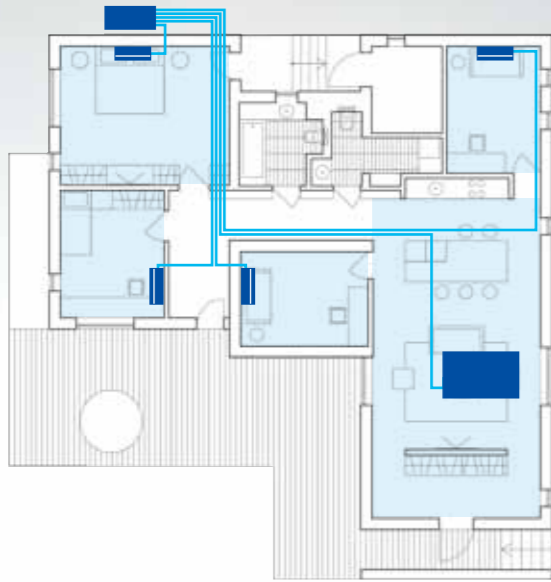
Night Quiet Mode reduces the operating sound of the outdoor unit at night to avoid disturbing your neighbours. The function starts automatically when the temperature drops 6°C below the highest temperature recorded that day. During Night Quiet Mode, the outdoor unit continues to operate with virtually the same efficiency. Initial setting is required during installation to activate this function (available for cooling operation).



Notes: 1. Based on "Examples of Sound Pressure Levels," released by the Ministry of the Environment, Japan, November 2002.  
2. The indoor sound pressure level may increase depending on the operation conditions for other indoor units.

# Wide Indoor Lineup Suitable for All Your Rooms

Daikin multi-split indoor units include wall-mounted, duct-connected and ceiling-mounted cassette types. The wide lineup helps you achieve the interior design as well as the cooling and heating you want. These series also have capacities from 2.0 right up to 9.5 kW class. It is so easy to choose the right unit for every room in your home.



**Wall-Mounted Type**

Wall-mounted CTXJ-T series indoor units feature a slim and stylish design. The CTXM-R series also offers a wide lineup of 2.0 to 9.5 kW class models. Both 8.5 and 9.5 kW class units are suitable for large rooms.



**Duct-Connected Type**

Duct-connected indoor units are for people who wish to use concealed units. The middle external static pressure models have been introduced to give even more flexibility in interior design.





















































**Ceiling-Mounted Cassette Type**

Ceiling-mounted cassette indoor units enable more flexible installation. They can be set to deliver air in two to four directions depending on where they are mounted on the ceiling.

# Function list

Functions are listed based on their use on the wireless remote controllers.

Indoor Unit		Wall-Mounted Type				Duct-Connected Type		Ceiling-Mounted Cassette Type
		 CTXJ25/35/50/60T	 CTXM20/25/35/46R	 CTXM50/60/71R	 CTXM85/95R	 CDXP25/35R, CDXM25/35/50/60/71R	 FMA50/60/71R	 FFA25/35/50/60R
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 Airflow Mode	●	●	●	●			
 Vertical Airflow (heating) <sup>1</sup>	●							
Comfort Control	 Indoor Unit Quiet Operation	●	●	●	●	●		
	 Automatic Operation <sup>1</sup>	●	●	●	●	●	●	●
	 Intelligent Eye (auto energy saving)	●	●	●	●			
	 Intelligent Eye (comfort)	●						
	 Intelligent Eye (focus and comfort)		●					
	 Programme Dry Function	●	●	●	●	●	●	●
	 Auto Fan Speed	●					●	●
	 Comfortable Auto Fan Speed		●	●	●			
	 Heat Plus <sup>1</sup>		●	●	●			
	 Hot-Start Function <sup>1</sup>	●	●	●	●	●	●	●
Lifestyle Convenience	 Super Powerful		●	●	●	●		
	 Inverter Powerful Operation	●						
	 Econo Mode	●	●	●	●	●		
	 Indoor Unit On/Off Switch	●	●	●	●	●	●	
	 Daikin Mobile Controller (optional adaptor)	● (built-in)	●	●	●	●		
	 Wireless Remote Controller with Backlight	●	●	●	●	●	●	●
Cleanliness	 Removable Drain Pan		●	●				
	 Flash Streamer Discharge Air Purifying	●						
	 Titanium Apatite Deodorising Filter	●	●	●	●			
	 Mould-Proof Air Filter	●	●	●	●	●		●
	 Wipe-Clean Flat Panel	●	●	●	●			
 Filter Cleaning Indicator						●	●	
Timers	 24 Hour On/Off Timer	●	●	●	●	●		
	 72 Hour On/Off Timer						●	●
	 Weekly Timer	●	●	●	●			
	 Count Up-Down On/Off Timer		●	●	●	●	●	●
	 Night Set Mode	●	●	●	●	●		
Worry Free	 Auto-Restart after Power Failure	●	●	●	●	●	●	●
	 Self-Diagnosis with Remote Controller	●	●	●	●	●	●	●

Outdoor Unit		3MXM52R, 4MXM68R, 4MXM80R, 5MXM100R			
Comfort Control	 Outdoor Unit Quiet Operation			●	
	 Night Quiet Mode			●	
	 Automatic Defrosting			●	
Worry Free	 Priority Room Setting			●	
	 Self-Diagnosis with Remote Controller			●	
	 Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins			●	

# Wall-Mounted Type

## CTXJ-T Series



### The Designer Look

CTXJ-T indoor units are engineered with the latest technology, built-in Wi-Fi connectivity and a slim depth of just 185 mm. The units are both stylish and elegant, featuring distinctive moulded corners which allow them to blend seamlessly into any modern home. Each unit is available in White Hairline or Black Wood finish.

185 mm



### Vertical Airflow (heating)

When heating starts, the indoor unit's wide airflow delivers warm air to the corners of a room as well as its floor. Soon after, vertical airflow starts to send warm air along the walls and floor. This prevents unpleasant drafts and increases comfort at floor level.

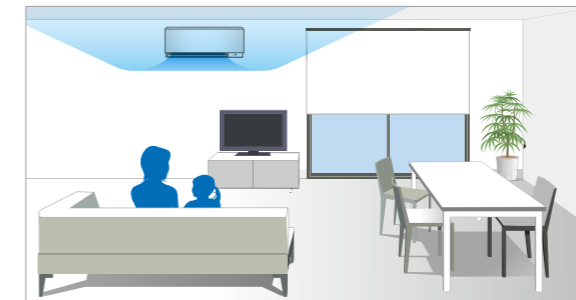


### Intelligent Eye (auto energy saving)

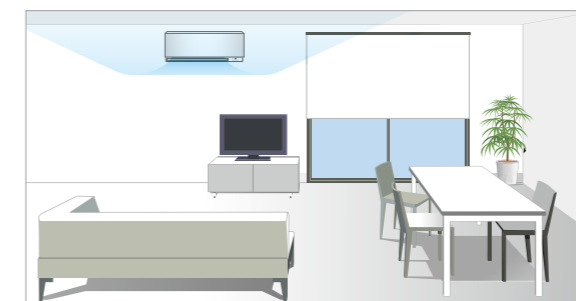
### Intelligent Eye (comfort)

A combination of Comfort Airflow Mode and Intelligent Eye directs airflow away from people to avoid drafts. If there is no movement in a room for 20 minutes, Intelligent Eye automatically raises/lowers the set temperature by approximately 2°C to save energy.

This function is available on the wireless remote controller.



Intelligent Eye (comfort): If a person is detected, airflow is directed away from him/her.

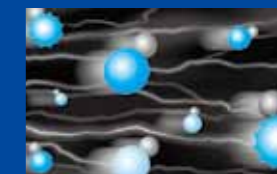
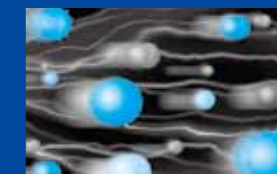


Intelligent Eye (auto energy saving): If a person is not detected for 20 minutes, this function raises/lowers the set temperature by approximately 2°C.

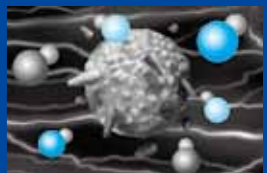
### Flash Streamer Discharge Air Purifying

Mould and pollen are trapped and adsorbed on the deodorising filter. The flash streamer discharge then irradiates and decomposes the trapped particles<sup>1</sup>. It powerfully removes mould, viruses, allergic substances and harmful chemical substances.

#### Step 1: Generates decomposition elements



#### Step 2: Decomposes allergic substances



- Oxygen radical
- Excited oxygen
- OH radical



- Excited nitrogen

Note: 1. The decomposition is effective only for substances adsorbed on the deodorising filter. This product is not designed as a medical device and should not be used for medical applications.



White hairline



Option



Black wood

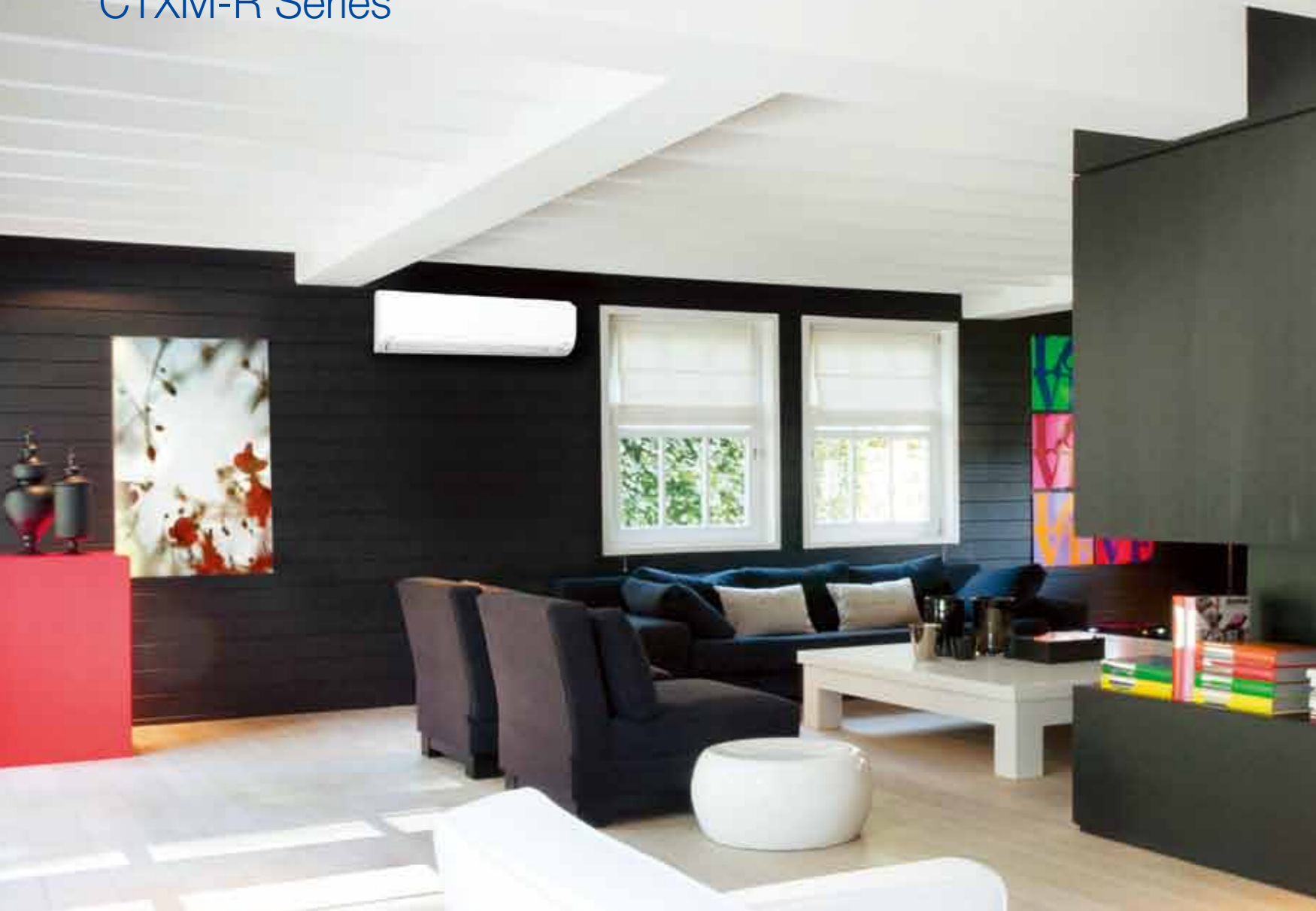


Option

kW class		2.5	3.5	5.0	6.0
Reverse cycle	White hairline	CTXJ25TVMAW	CTXJ35TVMAW	CTXJ50TVMAW	CTXJ60TVMAW
	Black wood	CTXJ25TVMAK	CTXJ35TVMAK	CTXJ50TVMAK	CTXJ60TVMAK

# Wall-Mounted Type

## CTXM-R Series



kW class	2.0	2.5	3.5	4.6
Reverse cycle	CTXM20RVMA	CTXM25RVMA	CTXM35RVMA	CTXM46RVMA

Option



kW class	5.0	6.0	7.1
Reverse cycle	CTXM50RVMA	CTXM60RVMA	CTXM71RVMA

Option



kW class	8.5	9.5
Reverse cycle	CTXM85RVMA	CTXM95RVMA

Option

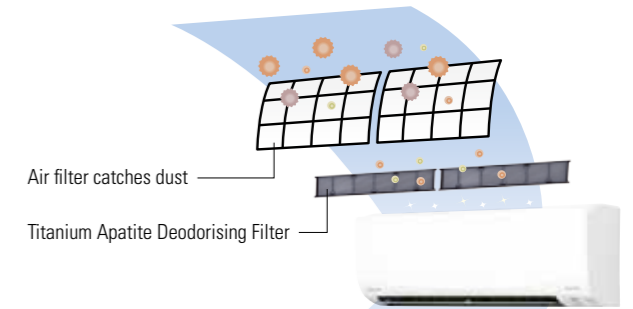
### Heat Plus

Heat Plus provides quick, direct spot heating using a shower of warm air for 30 minutes. If you return home on a cold day and are sensitive to cold, Heat Plus will warm you quickly without raising the set temperature. It is also convenient in your bedroom when you need to change clothes in the morning. This function is available when using the wireless remote controllers.



### 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.

### Intelligent Eye (auto energy saving)

This function uses its infrared sensor to direct airflow either towards or away from people. Direct airflow may be more comfortable during cooling operation while indirect airflow may be more convenient during heating operation. It also prevents energy wastage by detecting human movement in a room. If there is no movement for 20 minutes, it automatically raises/lowers the set temperature by approximately 2°C.

### Intelligent Eye (focus and comfort)

This function is available for the 2.0 to 4.6 models when using the wireless remote controllers.

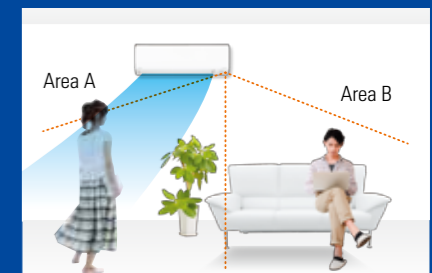
### Directs airflow away from people to prevent drafts



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



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



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

### Directs airflow towards people to increase cooling

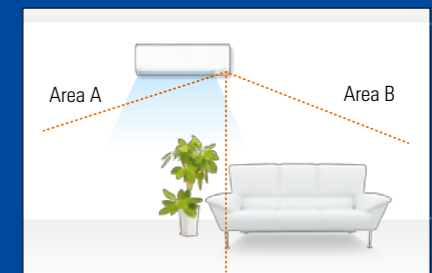


If a person is detected in area A, airflow is directed towards area A.



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

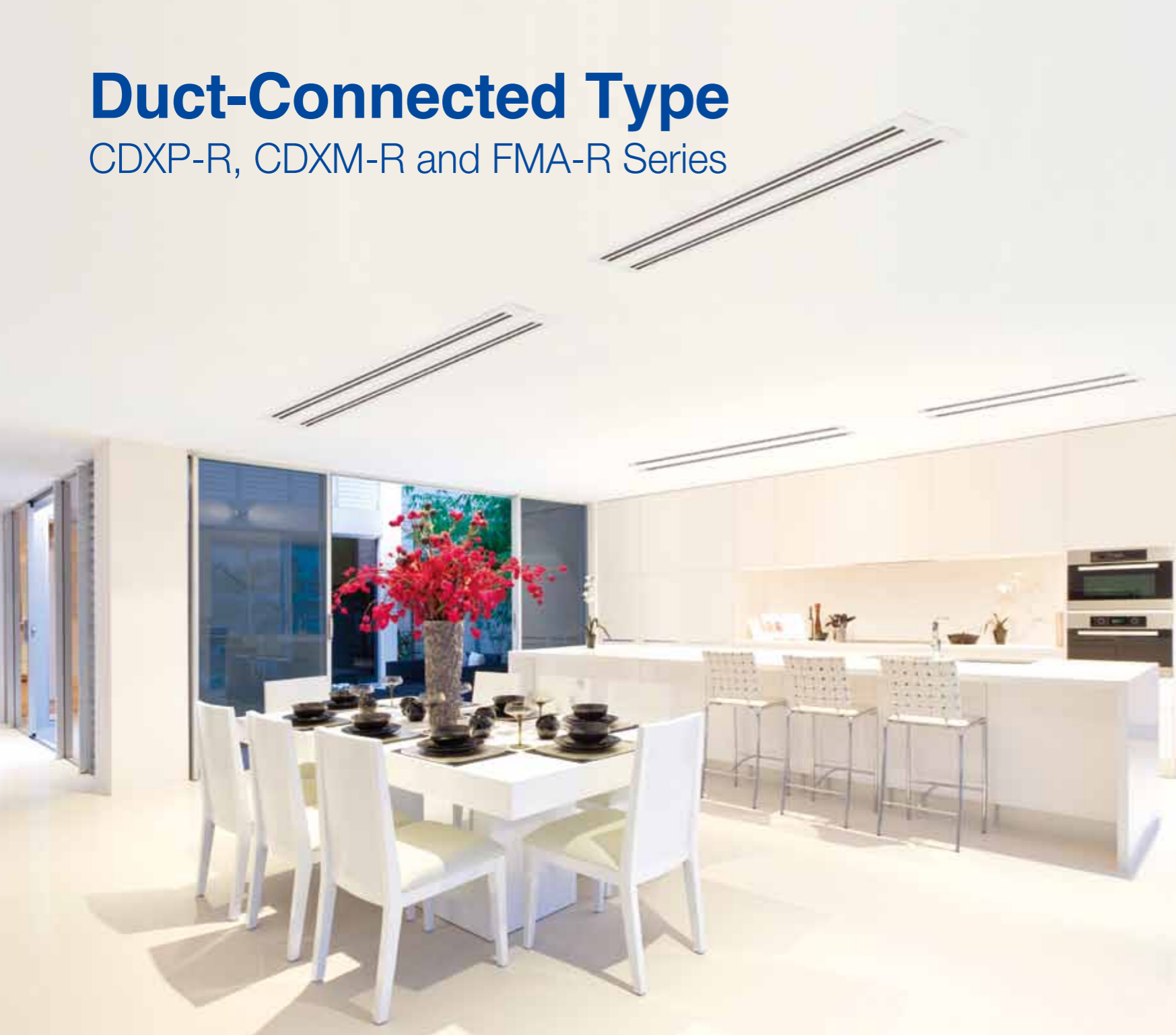
### Saves energy



If no one is detected in either area A or B for 20 minutes, Intelligent Eye automatically adjusts the set temperature by approximately 2°C.

# Duct-Connected Type

CDXP-R, CDXM-R and FMA-R Series



## Concealed Installation

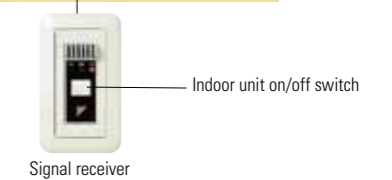
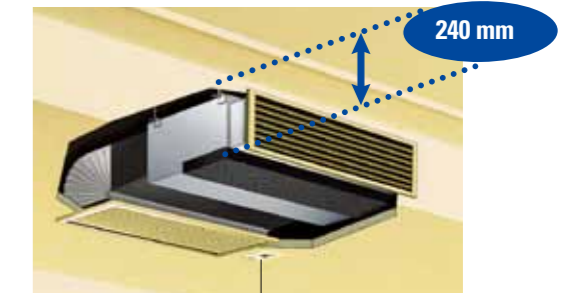
The duct-connected type can be hidden inside the ceiling to create a clean exterior. It is suitable for living rooms with shallow tray ceilings or areas requiring a discreet appearance. Low and middle range external static pressure models are suitable for both uses, providing excellent design flexibility.



Shallow tray ceilings  
Air outlet  
Air inlet and suction grille (parts obtained locally)

## Compact Installation Height

Low external static pressure models are 200 mm high and require a space of just 240 mm between the drop ceiling and ceiling slab. With these compact measurements, any unit can easily be installed in even shallow tray ceilings.



Indoor unit on/off switch

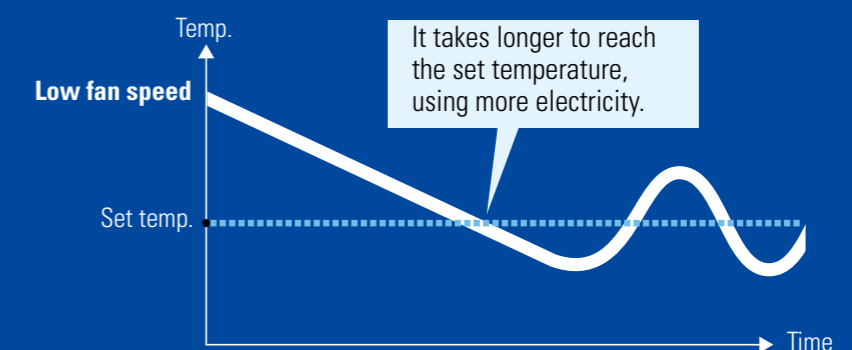
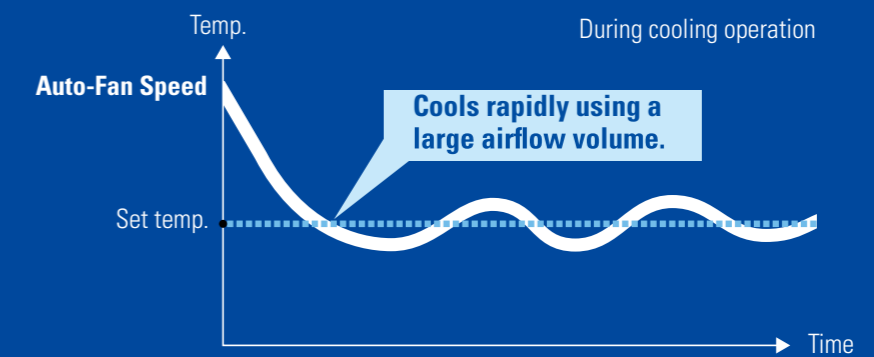
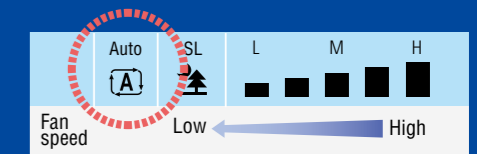
Signal receiver



## Auto Fan Speed

Daikin inverter air conditioners automatically operate at low capacity most of the time. Turning your system on and off means it has to operate at higher capacity to cool and warm the room.

Selecting this function ensures your system operates with comfort without any further setting. After adjusting the fan speed to high to rapidly reach the set temperature, it switches to low. It then precisely maintains the room temperature using its inverter.



	Option	Option	kW class		2.5	3.5
			Low external static pressure	Reverse cycle	CDXP25RVMA	CDXP35RVMA

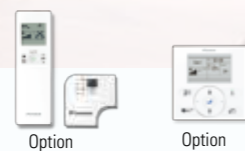
	Option	Option	kW class				
			2.5	3.5	5.0	6.0	7.0
Low external static pressure	Reverse cycle	CDXM25RVMA	CDXM35RVMA	CDXM50RVMA	CDXM60RVMA	CDXM71RVMA	

	Option	Option	kW class		
			5.0	6.0	7.0
Middle external static pressure	Reverse cycle	FMA50RVMA	FMA60RVMA	FMA71RVMA	



# Ceiling-Mounted Cassette Type

FFA-R Series



kW class	2.5	3.5	5.0	6.0
Reverse cycle	FFA25RV1A	FFA35RV1A	FFA50RV1A	FFA60RV1A

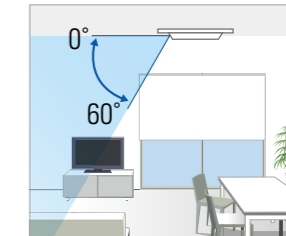
## Completely Flat Finish

This discreet configuration allows the indoor unit to be installed completely flat to the ceiling. The unit is designed to fit inside a ceiling with a height of 300 mm or more and a ceiling grid of just 600 mm wide. This allows lights, speakers and sprinklers to be placed in adjoining ceiling tiles.

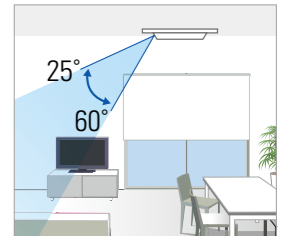


## Soil Prevention Setting

This setting directs airflow away from the ceiling to prevent dust build-up and other marking. When it is selected, the flap arc is limited to a range of 25 to 60 degrees<sup>1</sup>. The result is a cleaner ceiling which requires minimal maintenance.



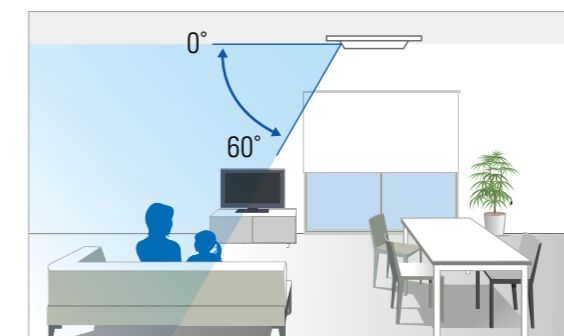
Standard setting  
0 to 60 degrees



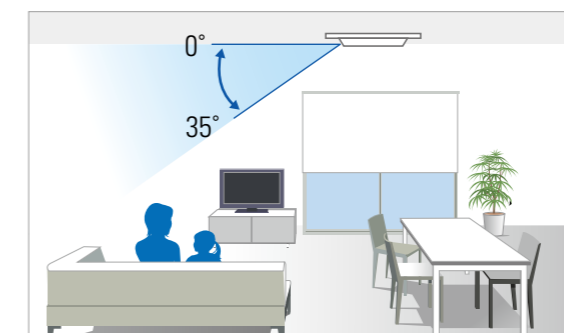
Soil prevention setting  
25 to 60 degrees

## Draft Prevention Setting

The draft prevention setting stops air blowing directly on to a person's body. With this setting, flap movement can be limited to an arc of 0 to 35 degrees<sup>1</sup>. This helps to eliminate uncomfortable drafts while maintaining effective airflow.



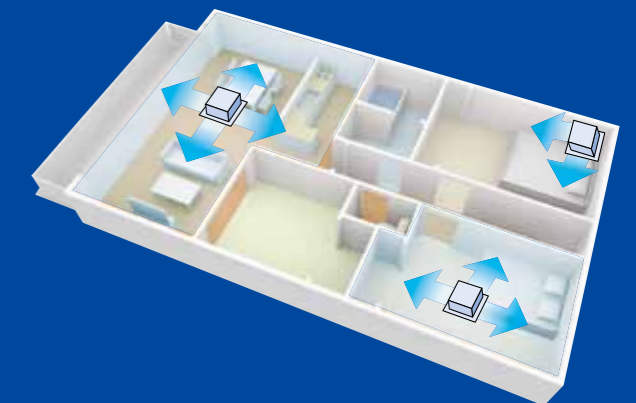
Standard setting 0 to 60 degrees



Draft prevention setting 0 to 35 degrees

## Free Installation Position

Air discharge patterns including two to four directions can be selected according to the installation position.




## Hot Start Function


After defrosting or when starting heating operation, air is preheated before discharge to prevent uncomfortable cold drafts.


Note: 1. Angles shown are provided as a guide. They may differ depending on the installation site.


# 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 can direct warm air straight down to the floor during heating operation.


 **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.

 **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 16


 **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 16

 **Vertical Airflow (heating)**  
When heating starts, the indoor unit delivers warm air to the corners and floor. Then, vertical airflow sends air along the walls and floor. This prevents drafts and increases comfort at floor level.  
▶ See page 26

## Cleanliness


 **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.

 **Flash Streamer Discharge Air Purifying**  
The flash streamer discharge decomposes bacteria, viruses, allergic substances and mould adsorbed by the indoor unit's deodorising filter. After the particles are trapped, they are irradiated by the streamer device.  
▶ See page 26


 **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 28


 **Mould-Proof Air Filter**  
This filter is hygienic with a mould-proof treatment.


 **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.


 **Filter Cleaning Indicator**  
Dust deposited on the air filters is not only unhygienic, it also reduces the operating efficiency of the air conditioner. A message indicates when the air filters need cleaning.


## 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 20


 **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 20


 **Night Quiet Mode**  
Outdoor unit operating sound pressure levels are automatically decreased from the rated operation sound during cooling operation. It is effective when the outdoor temperature has dropped by 6°C from the maximum temperature recorded during the daytime. Initial setting is required during installation.  
▶ See page 20


 **Automatic Operation**  
This function automatically selects cooling or heating operation mode based on the room temperature at startup. This function is available with the reverse cycle type.


 **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 pages 26 and 28


 **Intelligent Eye (comfort)**  
This function uses its infrared sensor to direct airflow away from people. If there is no human movement in a room for 20 minutes, it also automatically adjusts the set temperature by approximately 2°C to prevent energy wastage.  
▶ See page 26


 **Intelligent Eye (focus and comfort)**  
This function uses its infrared sensor to direct airflow either towards or away from people. If there is no human movement in a room for 20 minutes, it also automatically adjusts the set temperature by approximately 2°C to prevent energy wastage.  
▶ See pages 16 and 28

 **Programme Dry Function**  
The microprocessor works to eliminate humidity while maintaining the most consistent temperature possible. It automatically controls the temperature and fan speed.


 **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 30


 **Comfortable Auto Fan Speed**  
This function automatically controls fan speed to achieve maximum efficiency and comfort. After rapidly cooling or warming a room using high speed, it switches to low. It then precisely adjusts speed to reduce humidity and ensure a comfortable balance between temperature and humidity.  
▶ See pages 13 and 16


 **Heat Plus**  
Heat Plus delivers a direct flow of warm air for 30 minutes. It provides spot heating when returning home on a cold day. It is also convenient when changing clothes in the morning.  
▶ See pages 16 and 28


 **Hot-Start Function**  
After defrosting or when starting heating operation, air is preheated before discharge to prevent uncomfortable cold drafts.


## Lifestyle Convenience


 **Super Powerful**  
This advanced function boosts airflow until the set temperature is reached. It is highly useful whenever rapid cooling or heating is needed. Capacity is immediately diverted to a unit when its Powerful button is pressed. After 20 minutes, the unit automatically returns to its previous settings.  
▶ See pages 10 and 16


 **Inverter Powerful Operation**  
This function boosts cooling and heating performance for a 20 minute period. It is convenient when it is necessary to change the room temperature quickly.

 **Econo Mode**  
This mode limits maximum power consumption. This improves operating efficiency and also prevents circuit breakers from being overloaded.  
▶ See page 12

 **Priority Room Setting**  
This function assigns preferential air conditioning to the indoor unit in the priority room. The unit is able to operate at a higher capacity than other units. It also receives priority control over Super Powerful and the operation mode.  
▶ See page 10


 **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.

 **Wireless Remote Controller with Backlight**  
The backlit LCD allows easy operation in the dark. Frequently used functions are conveniently located on the front of the controller.  
▶ See page 15

 **Daikin Mobile Controller (optional adaptor)**  
This optional adaptor and its application 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.  
▶ See page 16

Functions are listed based on their use on the wireless remote controllers.


## Worry Free


 **Auto-Restart after Power Failure**  
The air conditioner memorises the settings for the operation mode (cooling, dry, heating, automatic 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.


## 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.

 **72 Hour On/Off Timer**  
This timer can start or stop the air conditioner within a 72 hour period. It can be preset in one hour steps by pressing the programming timer button on the wireless remote controller. The controller is optional.

 **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.

 **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.

 **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.

## Others

### Automatic Defrosting

Before starting heating operation, a sensor checks for frost in the outdoor unit and performs automatic defrosting if necessary before air is discharged.

# Specifications

## Outdoor Unit

Model name		Reverse cycle				
		3MXM52R1VMA	4MXM68R1VMA	4MXM80R1VMA	5MXM100R2VMA	
Power supply		1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz				
Max. connected indoor units capacity		kW				
Casing colour		Ivory white				
Compressor type		Hermetically sealed swing type				
Refrigerant type		R-32				
Outdoor sound pressure level**1	Rated/ Quiet	Cooling	45/43	47/44	48/45	48/46
		Heating	47/45	48/46	49/47	
Outdoor sound power level	H	Cooling	57	59	60	
		Heating	59	60	61	
Dimensions		H x W x D	mm			
Machine weight		kg				
Outdoor operating range		Cooling	°CDB			
		Heating	°CWB			
Max. piping length		m	30 (for one room)			
Additional charge		g/m	20 (for over 40 m)			
Max. level difference		m	15 (between indoor and outdoor units) / 7.5 (between indoor units)			

Note: \*1. The value to the left of the slash is for rated operation. The value to the right is when using Outdoor Unit Quiet Operation.

## Indoor Unit

### Wall-Mounted Type CTXJ-T Series

Model name		Reverse cycle				
		CTXJ25TVMAW	CTXJ35TVMAW	CTXJ50TVMAW	CTXJ60TVMAW	
Power supply		1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz				
Front panel colour		White hairline				
Indoor airflow rate	H	Cooling	177 (374)	190 (403)	218 (463)	243 (516)
		Heating	203 (431)	212 (448)	238 (505)	273 (579)
Indoor sound pressure level	H/L/SL	Cooling	40/25/19	42/26/20	45/35/32	48/36/33
		Heating	41/28/19	42/29/20	45/35/32	48/37/33
Indoor sound power level	H	Cooling	56	58	61	64
		Heating	57	58	61	64
Fan speed		5 steps, quiet and automatic				
Temperature control		Microcomputer control				
Dimensions		H x W x D	mm			
Machine weight		kg				
Piping connections		Liquid (flare)	mm			
		Gas (flare)	mm			
		Drain	mm			
Heat insulation		Both liquid and gas pipes				

Model name		Reverse cycle				
		CTXJ25TVMAK	CTXJ35TVMAK	CTXJ50TVMAK	CTXJ60TVMAK	
Power supply		1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz				
Front panel colour		Black wood				
Indoor airflow rate	H	Cooling	177 (374)	190 (403)	218 (463)	243 (516)
		Heating	203 (431)	212 (448)	238 (505)	273 (579)
Indoor sound pressure level	H/L/SL	Cooling	40/25/19	42/26/20	45/35/32	48/36/33
		Heating	41/28/19	42/29/20	45/35/32	48/37/33
Indoor sound power level	H	Cooling	56	58	61	64
		Heating	57	58	61	64
Fan speed		5 steps, quiet and automatic				
Temperature control		Microcomputer control				
Dimensions		H x W x D	mm			
Machine weight		kg				
Piping connections		Liquid (flare)	mm			
		Gas (flare)	mm			
		Drain	mm			
Heat insulation		Both liquid and gas pipes				

### Wall-Mounted Type CTXM-R Series

Model name		Reverse cycle				
		CTXM20RVMA	CTXM25RVMA	CTXM35RVMA	CTXM46RVMA	
Power supply		1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz				
Front panel colour		White				
Indoor airflow rate	H	Cooling	155 (328)	173 (367)	188 (399)	203 (431)
		Heating	160 (339)	173 (367)	188 (399)	202 (427)
Indoor sound pressure level	H/L/SL	Cooling	38/25/19	40/25/19	42/26/19	44/35/26
		Heating	39/28/20	40/28/20	42/29/20	43/33/26
Indoor sound power level	H	Cooling	52	54	56	58
		Heating	53	54	56	57
Fan speed		5 steps, quiet and automatic				
Temperature control		Microcomputer control				
Dimensions		H x W x D	mm			
Machine weight		kg				
Piping connections		Liquid (flare)	mm			
		Gas (flare)	mm			
		Drain	mm			
Heat insulation		Both liquid and gas pipes				

Model name		Reverse cycle					
		CTXM50RVMA	CTXM60RVMA	CTXM71RVMA	CTXM85RVMA	CTXM95RVMA	
Power supply		1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz					
Front panel colour		White					
Indoor airflow rate	H	Cooling	282 (597)	325 (689)	333 (706)	398 (844)	400 (848)
		Heating	287 (607)	333 (706)	328 (696)	422 (893)	413 (876)
Indoor sound pressure level	H/L/SL	Cooling	45/35/28	48/36/29	49/37/30	51/40/37	53/42/38
		Heating	45/33/28	48/33/29	49/35/30	51/38/35	52/38/35
Indoor sound power level	H	Cooling	59	62	63	65	67
		Heating	59	62	63	65	66
Fan speed		5 steps, quiet and automatic					
Temperature control		Microcomputer control					
Dimensions		H x W x D	mm		mm		
Machine weight		kg				kg	
Piping connections		Liquid (flare)	mm			mm	
		Gas (flare)	mm			mm	
		Drain	mm			mm	
Heat insulation		Both liquid and gas pipes					

### Duct-Connected Type CDXP-R and CDXM-R Series

Model name		Reverse cycle					
		CDXP25RVMA	CDXP35RVMA	CDXM25RVMA	CDXM35RVMA	CDXM50RVMA	CDXM60RVMA
Power supply		1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz					
Indoor airflow rate	H	Cooling	145 (307)	158 (335)	167 (353)	200 (424)	267 (565)
		Heating	145 (307)	158 (335)	167 (353)	200 (424)	267 (565)
Indoor sound pressure level**1	H/L/SL	Cooling	35/31/29		37/33/31		38/34/32
		Heating	35/31/29		37/33/31		38/34/32
Indoor sound power level	H	Cooling	49		51		52
		Heating	49		51		52
Fan speed		5 steps, quiet and automatic					
Temperature control		Microcomputer control					
Dimensions		H x W x D	mm		mm		mm
Machine weight		kg		kg		kg	
Piping connections		Liquid (flare)	mm			mm	
		Gas (flare)	mm			mm	
		Drain	mm			mm	
Heat insulation		Both liquid and gas pipes					
External static pressure		Pa			Pa		

Note: \*1. The values are for the rear-suction inlet of the CDXP-R at an external static pressure of 30 Pa. Values for the bottom-suction inlet can be obtained by adding 6 dB(A). The values are for the rear-suction inlet of the CDXM-R at an external static pressure of 40 Pa. Values for the bottom-suction inlet can be obtained by adding 5 dB(A). When a duct-connected type indoor unit with a reduced external static pressure is installed, values for the bottom-suction inlet are higher.

# Specifications

## Duct-Connected Type FMA-R Series

Model name				Cooling only			Reverse cycle												
				FMA50RVMA	FMA60RVMA	FMA71RVMA	FMA50RVMA	FMA60RVMA	FMA71RVMA										
Power supply				1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz															
Indoor airflow rate	H	Cooling	l/s (cfm)	300		383		300		383									
		Heating		-		-		300		383									
Indoor sound pressure level	H/L	Cooling	dB (A)	35/31		38/33		35/31		38/33									
		Heating		-		-		35/31		38/33									
Indoor sound power level	H	Cooling	dB (A)	49		52		49		52									
		Heating		-		-		49		52									
Fan speed				3 steps															
Temperature control				-															
Dimensions		H x W x D		mm 245 x 1,000 x 800															
Machine weight				kg 37															
Piping connections				Liquid (flare) mm $\phi$ 6.4															
				Gas (flare) mm $\phi$ 12.7				$\phi$ 15.9				$\phi$ 12.7				$\phi$ 15.9			
				Drain VP 25 (Inside diameter $\phi$ 25, Outside diameter $\phi$ 32)															
Heat insulation				-															
External static pressure		Rated	Pa	50 (50-150*)															

Notes: \*1. External static pressure is changeable in 11 stages by remote controller.

## Ceiling-Mounted Cassette Type

Model name				Cooling only				Reverse cycle											
				FFA25RV1A	FFA35RV1A	FFA50RV1A	FFA60RV1A	FFA25RV1A	FFA35RV1A	FFA50RV1A	FFA60RV1A								
Power supply				1 phase, 220-240 V, 50 Hz															
Indoor airflow rate	H	Cooling	l/s (cfm)	150 (318)		167 (353)		200 (424)		250 (530)		150 (318)		167 (353)		200 (424)		250 (530)	
		Heating		-		-		-		-		150 (318)		167 (353)		200 (424)		250 (530)	
Indoor sound pressure level	H/L	Cooling	dB (A)	33/27		36/29		38/30		42/34		33/27		36/29		38/30		42/34	
		Heating		-		-		-		-		33/27		36/28		38/28		42/34	
Indoor sound power level	H	Cooling	dB (A)	46		49		51		55		46		49		51		55	
		Heating		-		-		-		-		46		49		51		55	
Fan speed				2 steps															
Temperature control				Microcomputer control															
dimensions		H x W x D		mm 286 x 575 x 575															
Machine weight				kg 17.5															
Piping connections				Liquid (flare) mm $\phi$ 6.4															
				Gas (flare) mm $\phi$ 9.5				$\phi$ 12.7				$\phi$ 9.5				$\phi$ 12.7			
				Drain VP 20 (Inside diameter $\phi$ 20, Outside diameter $\phi$ 26)															
Heat insulation				Both liquid and gas pipes															

Measurement conditions  
 1. Cooling operation data is based on the following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; piping length 5 m.  
 2. Heating operation data is based on the following conditions: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; piping length 5 m.  
 3. Sound pressure levels are measured in an anechoic chamber based on temperature conditions 1 and 2 above. These values are normally somewhat higher during actual operation as a result of ambient conditions.

# Options

## Outdoor Unit

No.	Item	3MXM52R	4MXM68R	4MXM80R	5MXM100R
1	Air direction adjustment grille	KPW5G112			
2	Drain plug	KKP937A4*1			KKP945A4*2

Notes: \*1. One set includes five pieces for five units.  
 \*2. One set includes one piece for one unit.

## Indoor Unit

No.	Item	Wall-Mounted Type			
		CTXJ25/35/50/60T	CTXM20/25/35/46R	CTXM50/60/71R	CTXM85/95R
1	Wired remote controller	*1. BRC073A4*8			
2	Wired remote controller cord (shielded wire)	Length of 3 m		BRCW901A03	
		Length of 8 m		BRCW901A08	
3	Wireless LAN connecting adaptor	- *7		BRP072C42*2	
4	Wiring adaptor for time clock / remote controller (Normal open pulse contact / normal open contact)	*4. KRP413BB1S*8		KRP413BB1S*3	
5	Titanium apatite deodorising filter	*5. KAF087A41		KAF970A46	
6	Dust collection filter (PM2.5)	-		BAFP046A41	
7	Wireless remote controller loss prevention with chain	-		KKF910A4	
8	Remote control PC-board set	-		BRP067A42	
9	S21 conversion connector	KER087A41		-	

Notes: \*1. The BRCW901A03 (three metres) or BRCW901A08 (eight metres) wired remote controller cord is also required.  
 \*2. A remote control PC-board set (BRP067A42) is also required for each indoor unit.  
 \*3. A remote control PC-board set (BRP980B42) is also required for each indoor unit.  
 \*4. The time clock and other devices should be obtained locally.  
 \*5. The filter is a standard accessory.  
 \*6. Two pieces are required for these models.  
 \*7. A Wi-Fi communication module is included on the indoor unit printed circuit board. A wireless LAN connecting adaptor is not required.  
 \*8. A S21 conversion connector (KER087A41) is also required for each indoor unit.

No.	Item	Duct-Connected Type			
		CDXP25/35R	CDXM25/35/50R	CDXM60/71R	FMA50/60/71R
1	Wireless remote controller	Cooling only use	BRC086A12		BRC086A22*1
		Reverse cycle use	BRC086A11		BRC086A21*1
2	Wireless receiver kit	-		BRC086A2R1	
3	Wired remote controller	BRC073A4*2		BRC1E62*3	
4	Wired remote controller cord (shielded wire)	Length of 3 m		BRCW901A03	
		Length of 8 m		BRCW901A08	
5	Wiring adaptor for time clock / remote controller (Normal open pulse contact / normal open contact)	*4. KRP413BB1S		-	
6	Wireless remote controller loss prevention with chain	KKF910A4			
7	Insulation kit for high humidity	KDT25N32	KDT25N50	KDT25N63	
8	Remote sensor	-		BRC01A-4	
9	High efficiency filter	65%		KAF632C80	
		90%		KAF633C80	
10	Long-life filter	-		KAF631C80	
11	Filter chamber	-		KDDFP63B80	
12	Service panel	Fresh white		KTBJ25K80F	
13	Air discharge adaptor	-		KDAP25A71A	
14	Shield plate for side plate	-		KDBD63A160	

Notes: \*1. A wireless receiver kit (BRC086A2R1) is also required for each indoor unit.  
 \*2. The BRCW901A03 (three metres) or BRCW901A08 (eight metres) wired remote controller cord is also required.  
 \*3. The wiring for the wired remote controller should be obtained locally.  
 \*4. The time clock and other devices should be obtained locally.

No.	Item	Ceiling-Mounted Cassette Type			
1	Decoration panel	BYFG60B3W1			
2	Wireless remote controller*1	Cooling only use	BRC086A22		
		Reverse cycle use	BRC086A21		
3	Wireless receiver kit	BRC086A2R2			
4	Wired remote controller	*2. BRC1E62			
5	Wireless remote controller loss prevention with chain	KKF910A4			
6	Remote sensor	BRC01A-1			
7	Sealing member of air discharge outlet	KDBH44BA60			
8	Panel spacer	KDBQ44BA60A			
9	Replacement long-life filter	KAF441C60			
10	Fresh air intake kit	KDDQ44XA60			

Notes: \*1. A wireless receiver kit (BRC086A2R2) is also required for each indoor unit.  
 \*2. The wiring for wired remote controller should be obtained locally.

## Control System

No.	Item	Wall-Mounted Type				Duct-Connected Type		Ceiling-Mounted Cassette Type
		CTXJ25/35/50/60T	CTXM20/25/35/46R	CTXM50/60/71R	CTXM85/95R	CDXP-R, CDXM-R	FMA-R	
1	Central remote controller	DCS302CA61*1				DCS302CA61		DCS302CA61*2
2	Unified On/Off controller	DCS301BA61*1				DCS301BA61		DCS301BA61*2
3	Schedule timer	DST301BA61*1				DST301BA61		DST301BA61*2
4	Interface adaptor for DIII-NET use	KRP928BB2S*5	KRP928BB2S*3	KRP928BB2S*4	KRP928BB2S		DTA112BA51	
5	Remote control PC-board set	-		BRP067A42	BRP980B42		-	
6	S21 conversion connector	KER087A41		-				

Notes: \*1. An interface adaptor for DIII-NET use (KRP928BB2S) is also required for each indoor unit.  
 \*2. An interface adaptor for DIII-NET use (DTA112BA51) is also required for each indoor unit.  
 \*3. A remote control PC-board set (BRP067A42) is also required for each indoor unit.  
 \*4. A remote control PC-board set (BRP980B42) is also required for each indoor unit.  
 \*5. A S21 conversion connector (KER087A41) is also required for each indoor unit.















# Capacity Tables

## Reverse Cycle 240 V, 50 Hz

Outdoor unit	Combinations of indoor units	Capacity of each indoor unit (kW)					Total capacity (kW) Rated (Min.- Max.)	Total power consumption (W) Rated (Min.- Max.)	Total current (A) Rated (Min.- Max.)
		Room A	Room B	Room C	Room D	Room E			
5MXM100R2VMA  Heating capacity	25+25+46+60	1.76	1.76	3.24	4.23		11.00 (1.60-12.70)	2,430 (280-3,470)	10.7 (1.3-15.3)
	25+25+50+50	1.83	1.83	3.67	3.67		11.00 (1.60-12.70)	2,540 (280-3,550)	11.1 (1.3-15.6)
	25+35+35+35	2.12	2.96	2.96	2.96		11.00 (1.60-12.70)	2,850 (310-4,000)	12.5 (1.4-17.6)
	25+35+35+46	1.95	2.73	2.73	3.59		11.00 (1.60-12.70)	2,780 (300-3,910)	12.2 (1.4-17.2)
	25+35+35+50	1.90	2.66	2.66	3.79		11.00 (1.60-12.70)	2,640 (290-3,680)	11.6 (1.3-16.2)
	25+35+35+60	1.77	2.48	2.48	4.26		11.00 (1.60-12.70)	2,470 (280-3,530)	10.8 (1.3-15.5)
	25+35+46+46	1.81	2.53	3.33	3.33		11.00 (1.60-12.70)	2,850 (300-3,820)	12.5 (1.4-16.8)
	25+35+46+50	1.76	2.47	3.24	3.53		11.00 (1.60-12.70)	2,570 (290-3,600)	11.3 (1.3-15.8)
	35+35+35+35	2.75	2.75	2.75	2.75		11.00 (1.60-12.70)	3,050 (310-3,860)	13.4 (1.4-17.0)
	35+35+35+46	2.55	2.55	2.55	3.35		11.00 (1.60-12.70)	2,760 (300-3,830)	12.1 (1.4-16.8)
	35+35+35+50	2.48	2.48	2.48	3.55		11.00 (1.60-12.70)	2,820 (290-3,660)	12.4 (1.3-16.1)
	20+20+20+20+20	2.20	2.20	2.20	2.20	2.20	11.00 (2.00-12.70)	3,100 (370-3,690)	13.6 (1.7-16.2)
	20+20+20+20+25	2.10	2.10	2.10	2.10	2.62	11.00 (2.00-12.70)	3,040 (370-3,620)	13.3 (1.7-15.9)
	20+20+20+20+35	1.91	1.91	1.91	1.91	3.35	11.00 (2.00-12.70)	2,920 (360-3,540)	12.8 (1.6-15.6)
	20+20+20+20+46	1.75	1.75	1.75	1.75	4.02	11.00 (2.00-12.70)	2,810 (360-3,470)	12.3 (1.6-15.3)
	20+20+20+20+50	1.69	1.69	1.69	1.69	4.23	11.00 (2.00-12.70)	2,520 (340-3,580)	11.1 (1.5-15.8)
	20+20+20+20+60	1.57	1.57	1.57	1.57	4.71	11.00 (2.00-12.70)	2,390 (330-3,260)	10.5 (1.5-14.3)
	20+20+20+20+71	1.46	1.46	1.46	1.46	5.17	11.00 (2.00-12.70)	2,330 (320-3,090)	10.2 (1.5-13.6)
	20+20+20+25+25	2.00	2.00	2.00	2.50	2.50	11.00 (2.00-12.70)	2,920 (360-3,600)	12.8 (1.6-15.8)
	20+20+20+25+35	1.83	1.83	1.83	2.29	3.21	11.00 (2.00-12.70)	2,860 (360-3,530)	12.5 (1.6-15.5)
	20+20+20+25+46	1.68	1.68	1.68	2.10	3.86	11.00 (2.00-12.70)	2,750 (350-3,460)	12.1 (1.6-15.2)
	20+20+20+25+50	1.63	1.63	1.63	2.04	4.07	11.00 (2.00-12.70)	2,470 (340-3,460)	10.8 (1.5-15.2)
	20+20+20+25+60	1.52	1.52	1.52	1.90	4.55	11.00 (2.00-12.70)	2,340 (320-3,670)	10.3 (1.5-16.1)
	20+20+20+25+71	1.41	1.41	1.41	1.76	5.01	11.00 (2.00-12.70)	2,330 (340-3,030)	10.2 (1.5-13.3)
	20+20+20+35+35	1.69	1.69	1.69	2.96	2.96	11.00 (2.00-12.70)	2,860 (350-3,460)	12.5 (1.6-15.2)
	20+20+20+35+46	1.56	1.56	1.56	2.73	3.59	11.00 (2.00-12.70)	2,750 (350-3,400)	12.1 (1.6-15.0)
	20+20+20+35+50	1.52	1.52	1.52	2.66	3.79	11.00 (2.00-12.70)	2,460 (330-3,140)	10.8 (1.5-13.8)
	20+20+20+35+60	1.42	1.42	1.42	2.48	4.26	11.00 (2.00-12.70)	2,330 (320-3,040)	10.2 (1.5-13.4)
	20+20+20+46+46	1.45	1.45	1.45	3.33	3.33	11.00 (2.00-12.70)	2,690 (340-3,330)	11.8 (1.5-14.7)
	20+20+20+46+50	1.41	1.41	1.41	3.24	3.53	11.00 (2.00-12.70)	2,410 (330-3,070)	10.6 (1.5-13.5)
	20+20+25+25+25	1.91	1.91	2.39	2.39	2.39	11.00 (2.00-12.70)	2,920 (360-3,530)	12.8 (1.6-15.5)
	20+20+25+25+35	1.76	1.76	2.20	2.20	3.08	11.00 (2.00-12.70)	2,860 (350-3,470)	12.5 (1.6-15.3)
	20+20+25+25+46	1.62	1.62	2.02	2.02	3.72	11.00 (2.00-12.70)	2,750 (350-3,400)	12.1 (1.6-15.0)
	20+20+25+25+50	1.57	1.57	1.96	1.96	3.93	11.00 (2.00-12.70)	2,510 (340-3,190)	11.0 (1.5-14.0)
	20+20+25+25+60	1.47	1.47	1.83	1.83	4.40	11.00 (2.00-12.70)	2,340 (320-3,040)	10.3 (1.5-13.4)
	20+20+25+35+35	1.63	1.63	2.04	2.85	2.85	11.00 (2.00-12.70)	2,800 (350-3,400)	12.3 (1.6-15.0)
	20+20+25+35+46	1.51	1.51	1.88	2.64	3.47	11.00 (2.00-12.70)	2,690 (350-3,330)	11.8 (1.6-14.7)
	20+20+25+35+50	1.47	1.47	1.83	2.57	3.67	11.00 (2.00-12.70)	2,460 (330-3,130)	10.8 (1.5-13.8)
	20+20+35+35+35	1.52	1.52	2.66	2.66	2.66	11.00 (2.00-12.70)	2,690 (350-3,340)	11.8 (1.6-14.7)
	20+20+35+35+46	1.41	1.41	2.47	2.47	3.24	11.00 (2.00-12.70)	2,640 (340-3,270)	11.6 (1.5-14.4)
	20+25+25+25+25	1.83	2.29	2.29	2.29	2.29	11.00 (2.00-12.70)	2,860 (360-3,470)	12.5 (1.6-15.3)
	20+25+25+25+35	1.69	2.12	2.12	2.12	2.96	11.00 (2.00-12.70)	2,800 (350-3,400)	12.3 (1.6-15.0)
	20+25+25+25+46	1.56	1.95	1.95	1.95	3.59	11.00 (2.00-12.70)	2,690 (350-3,340)	11.8 (1.6-14.7)
	20+25+25+25+50	1.52	1.90	1.90	1.90	3.79	11.00 (2.00-12.70)	2,460 (330-3,130)	10.8 (1.5-13.8)
	20+25+25+25+60	1.42	1.77	1.77	1.77	4.26	11.00 (2.00-12.70)	2,330 (320-2,990)	10.2 (1.5-13.2)
	20+25+25+35+35	1.57	1.96	1.96	2.75	2.75	11.00 (2.00-12.70)	2,740 (350-3,390)	12.0 (1.6-14.9)
	20+25+25+35+46	1.46	1.82	1.82	2.55	3.35	11.00 (2.00-12.70)	2,640 (340-3,270)	11.6 (1.5-14.4)
	20+25+25+35+50	1.42	1.77	1.77	2.48	3.55	11.00 (2.00-12.70)	2,400 (330-3,070)	10.5 (1.5-13.5)
	20+25+35+35+35	1.47	1.83	2.57	2.57	2.57	11.00 (2.00-12.70)	2,690 (340-3,330)	11.8 (1.5-14.7)
	25+25+25+25+25	2.20	2.20	2.20	2.20	2.20	11.00 (2.00-12.70)	2,800 (350-3,410)	12.3 (1.6-15.0)
25+25+25+25+35	2.04	2.04	2.04	2.04	2.85	11.00 (2.00-12.70)	2,750 (350-3,390)	12.1 (1.6-14.9)	
25+25+25+25+46	1.88	1.88	1.88	1.88	3.47	11.00 (2.00-12.70)	2,640 (340-3,330)	11.6 (1.5-14.7)	
25+25+25+25+50	1.83	1.83	1.83	1.83	3.67	11.00 (2.00-12.70)	2,400 (330-3,070)	10.5 (1.5-13.5)	
25+25+25+35+35	1.90	1.90	1.90	2.66	2.66	11.00 (2.00-12.70)	2,690 (340-3,330)	11.8 (1.5-14.7)	
25+25+25+35+46	1.76	1.76	1.76	2.47	3.24	11.00 (2.00-12.70)	2,580 (340-3,260)	11.3 (1.5-14.3)	
25+25+35+35+35	1.77	1.77	2.48	2.48	2.48	11.00 (2.00-12.70)	2,630 (340-3,270)	11.5 (1.5-14.4)	

- Notes: 1. Cooling operation data is based on the following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; corresponding refrigerant piping length 5 m; level difference 0 m.
2. Heating operation data is based on the following conditions: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; corresponding refrigerant piping length 5 m; level difference 0 m.
3. Total capacity of connected indoor units is; up to 9.0 kW to the 3MXM52R; up to 11.0 kW to the 4MXM68R; up to the 14.5 kW to the 4MXM80R; up to 15.6 kW to the 5MXM100R.
4. A single indoor unit cannot be connected.



**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.