



PCRAU1451

SUPER MULTI NX

Multi-Split Type Air Conditioners

DC Inverter Control

Cooling Only and Reverse Cycle 50 Hz **R-410A**



Benefits

Multi-Split Systems: Overview



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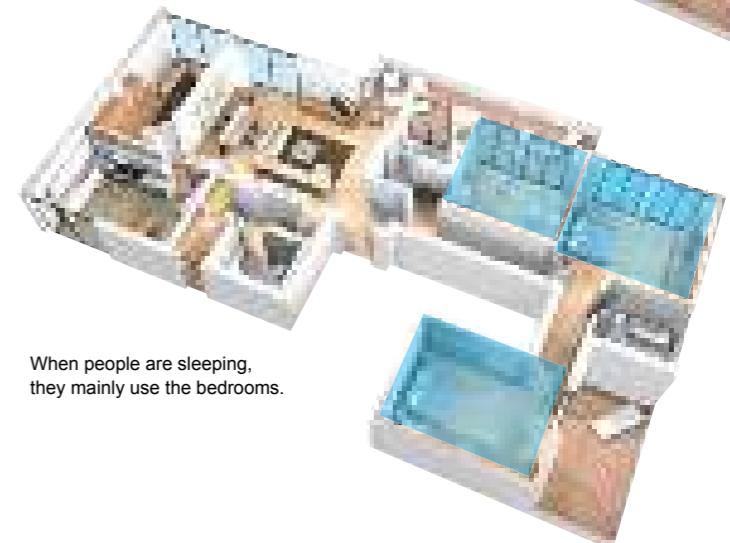
During the day, people tend to use shared spaces such as the living room more. At night, they mainly use the bedrooms. Based on these patterns, it is unusual for all indoor units to operate at the same time. In this situation, a multi-split system is the right choice for your home.

With split type air conditioners, indoor and outdoor units are required for each room. This can create problems when there is limited space, including unattractive cluttering of a home's exterior. With a multi-split system, however, a single outdoor unit can power several indoor units.

The multi-split type shares operating capacity between indoor units as needed, allowing a system with the smaller capacities to effectively air condition your whole home. This also helps to reduce electricity consumption.



When people are awake,
they generally use the living room.



When people are sleeping,
they mainly use the bedrooms.

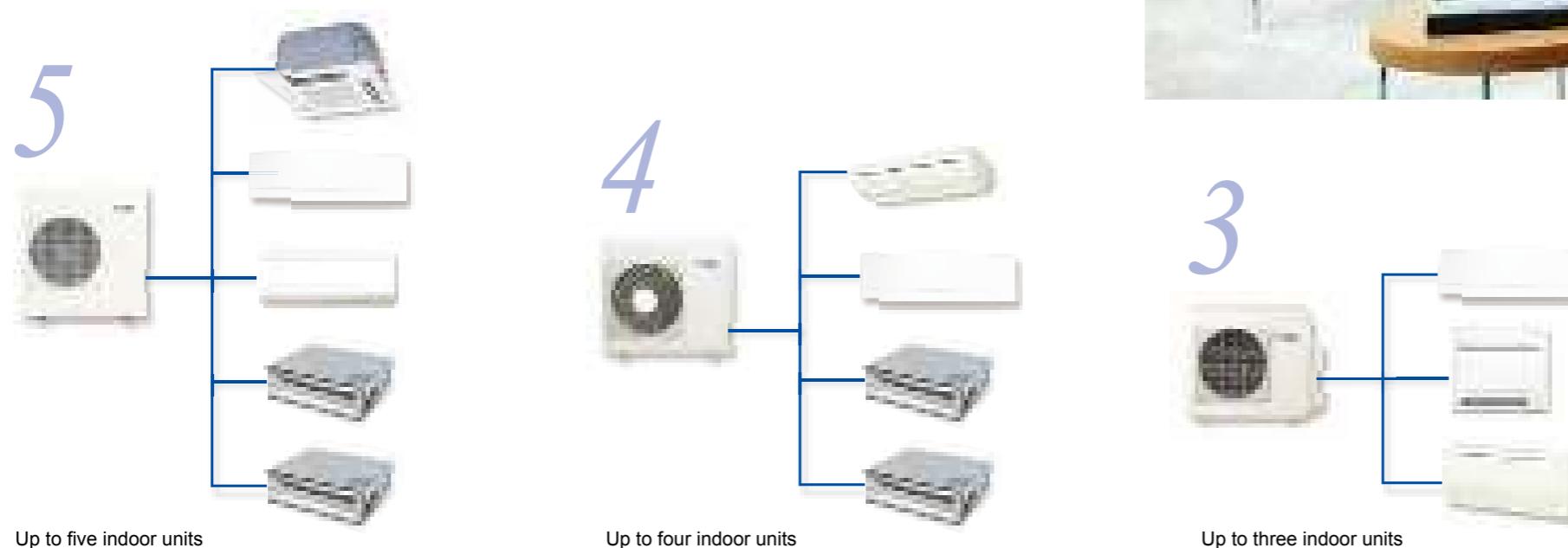
Super Multi NX

In 1969, Daikin developed the world's first multi-split air conditioning system. In the 40 years since this milestone, we have built an international reputation based on the quality, reliability and advanced technology incorporated into our products.

Super Multi NX requires only a single outdoor unit to maintain optimum comfort in up to five rooms. The many benefits offered by a multi-split system are enhanced by the NX series' highly efficient DC Inverter technology.

Features of Super Multi NX

- 1. Single outdoor unit connectable to up to five indoor units**
- 2. Compact and powerful system able to air condition an entire home**
- 3. Wide variety of indoor units in different configurations**
- 4. Energy-saving multi split and DC Inverter Control**
- 5. Combination of individual and centralised control**



Single Outdoor Unit Connectable to Up to Five Indoor Units

Outdoor Unit

Model	Model name	Capacity class	Max. piping length	Max. level difference
Connectable to up to three indoor units				
	Cooling only	3MKS58LVMA9	5.8 kW	50 m
	Reverse cycle	3MKS68LVMA9	6.8 kW	60 m
	Cooling only	3MXS52LVMA9	5.2 kW	50 m
	Reverse cycle	3MXS68LVMA9	6.8 kW	60 m
Connectable to up to four indoor units				
	Cooling only	4MKS80LVMA9	8.0 kW	70 m
	Reverse cycle	4MXS80LVMA9	8.0 kW	70 m
Connectable to up to five indoor units				
	Cooling only	5MKS100LVMA9	10.0 kW	80 m
	Reverse cycle	5MXS100LVMA9	10.0 kW	80 m

Possible Combinations for Indoor and Outdoor Units

Model	2.0 kW class	2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class	7.1 kW class
Cooling only	3MKS58LVMA9	●	●	●	●	
	3MKS68LVMA9	●	●	●	●	●
	4MKS80LVMA9	●	●	●	●	●
	5MKS100LVMA9	●	●	●	●	●
	3MXS52LVMA9	●	●	●	●	
Reverse cycle	3MXS68LVMA9	●	●	●	●	
	4MXS80LVMA9	●	●	●	●	●
	5MXS100LVMA9	●	●	●	●	●

Indoor Unit

Model	2.0 kW class	2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class	7.1 kW class
Wall-Mounted Type CTXG-P Series				CTXG25PVMAW 	CTXG35PVMAW 	CTXG50PVMAW 
	Reverse cycle					
				CTXG25PVMAS 	CTXG35PVMAS 	CTXG50PVMAS 
Wall-Mounted Type FTKS-K and FTXS-K Series		Cooling only	FTKS20KVMA	FTKS25KVMA	FTKS35KVMA	
	Reverse cycle		FTXS20KVMA	FTXS25KVMA	FTXS35KVMA	
						FTKS50KAVMA
						FTKS60KAVMA
						FTKS71KAVMA
Duct-Connected Type	Cooling only			CDKS25EAVMA	CDKS35EAVMA	
	Reverse cycle			CDXS25EAVMA	CDXS35EAVMA	
				CDKS25CVMA	CDKS35CVMA	CDKS50CVMA
				CDKS60CVMA		
Floor-Standing Type		Cooling only				
	Reverse cycle		FVXS25KV1A	FVXS35KV1A	FVXS50KV1A	
Floor/Ceiling-Suspended Dual Type		Reverse cycle		FLXS25BVMA	FLXS35GVMA	FLXS50GVMA
				FLXS60GVMA		
Ceiling-Mounted Cassette Type	Cooling only			FFQ25BV1B	FFQ35BV1B	FFQ50BV1B
	Reverse cycle			FFQ60BV1B	FFQ50BV1B	FFQ60BV1B

Note:  indicates a new design model.

Compact and Powerful System



Connectable to up to 181% of Outdoor Capacity

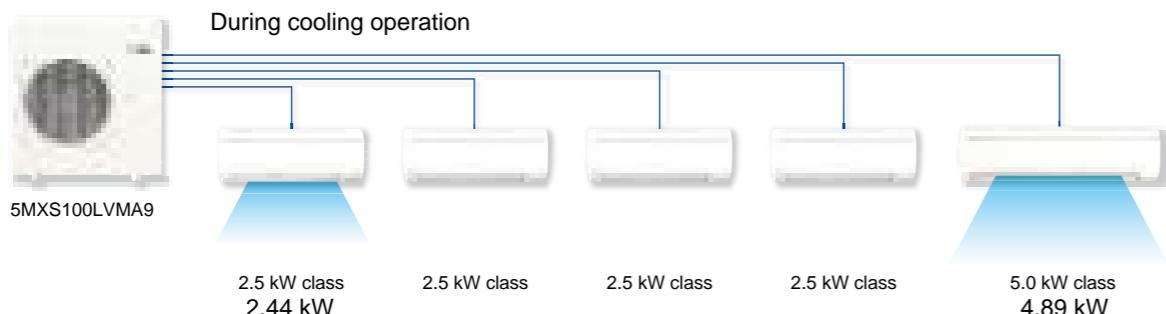
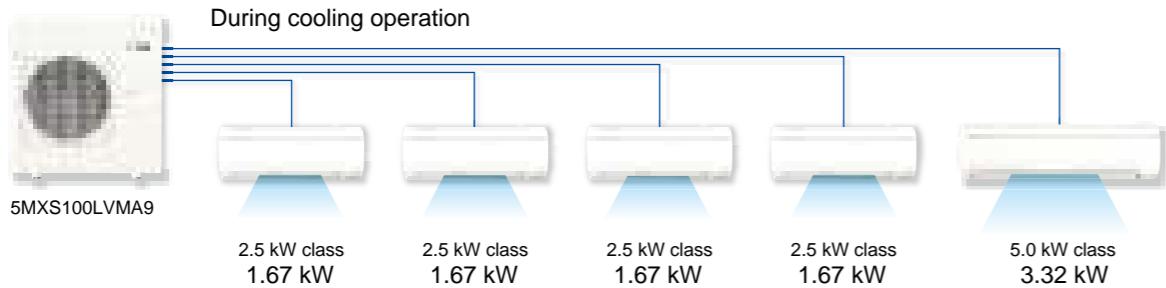
In most family homes, it is unusual for all indoor units to operate together. During the day, people tend to use shared spaces such as the living room. At night, they mainly use the bedrooms.

This is a reason why a single multi-split outdoor unit can be connected to indoor units which exceed its capacity. Super Multi NX can be connectable by 150% to 181% for the reverse cycle type.

The outdoor unit shares capacity between indoor units as needed, allowing a smaller system to effectively air condition the areas that are turned on. This simplifies the installation and keeps power consumption to a minimum.

Reverse cycle models	3MXS52LVMA9	3MXS68LVMA9	4MXS80LVMA9	5MXS100LVMA9
Max. connected indoor unit capacity	9.0 kW	11.0 kW	14.5 kW	15.6 kW

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

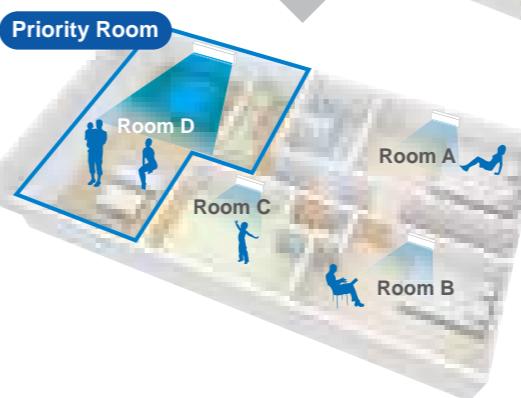
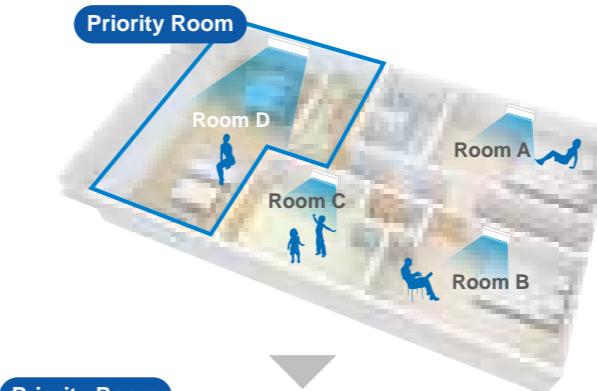


Priority Room Setting



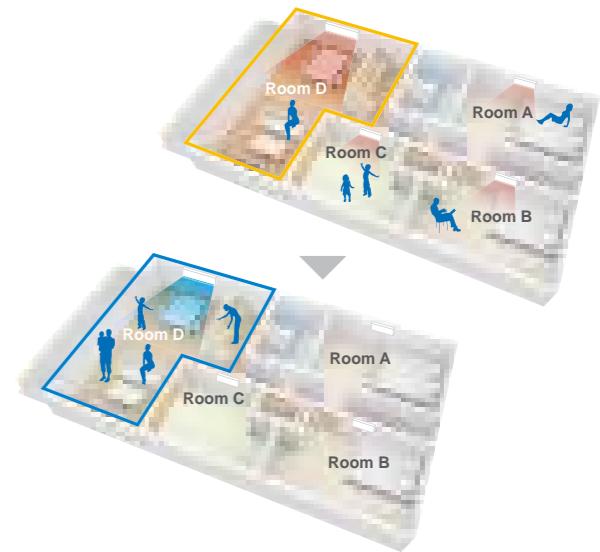
Priority Room Setting assigns priority control over Inverter Powerful Operation and operation mode to a selected room. This enables a combination of individual and centralised control. Initial setting is required during installation to activate this function.

Inverter Powerful Operation: When Inverter Powerful Operation is selected in the priority room, indoor unit capacity is increased by shifting capacity from other units. After 20 minutes, all units automatically return to their original settings¹.



Inverter Powerful Operation boosts airflow to maximum volume for a 20 minute period. This function is convenient for quickly adjusting the indoor temperature to the set temperature.

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. Operation mode cannot be changed from other rooms.



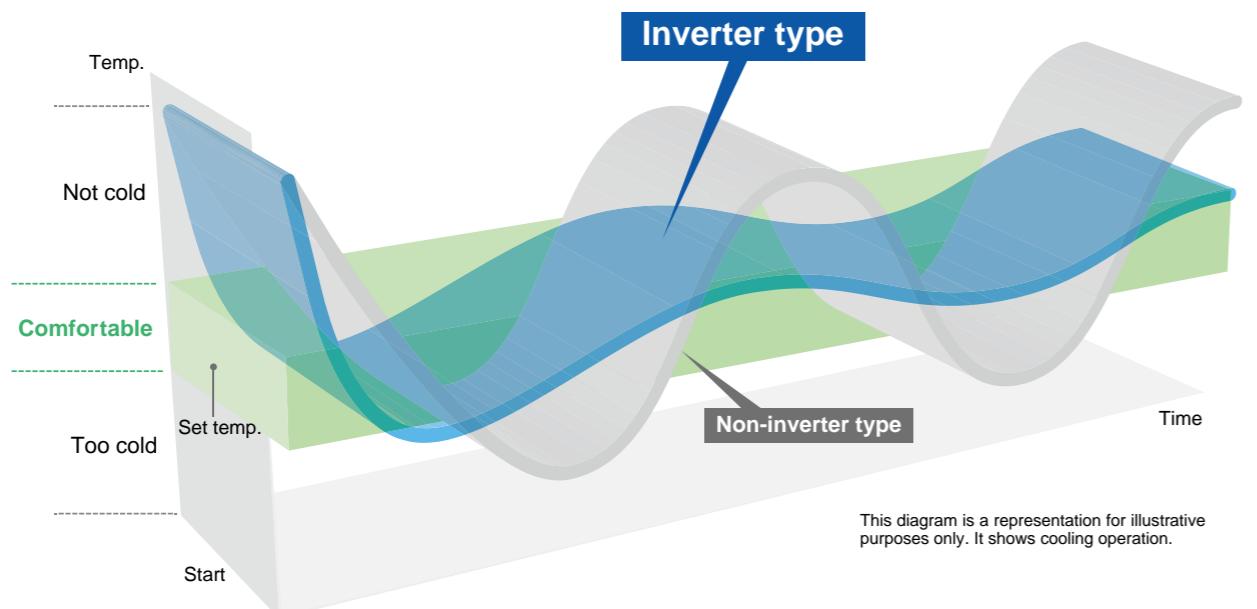
Outdoor Unit Quiet Operation: If Priority Room Setting is activated, this function can be set easily from the remote controller in the priority room.^{1,2}

Notes: 1. Inverter Powerful Operation and Outdoor Unit Quiet Operation are not available for the ceiling-mounted cassette type FFQ-B series.

2. If Priority Room Setting is activated during installation, Outdoor Unit Quiet Operation can be easily set from the remote controller in the priority room. Unless a priority room is registered, Outdoor Unit Quiet Operation must be set from the remote controller for each indoor unit.

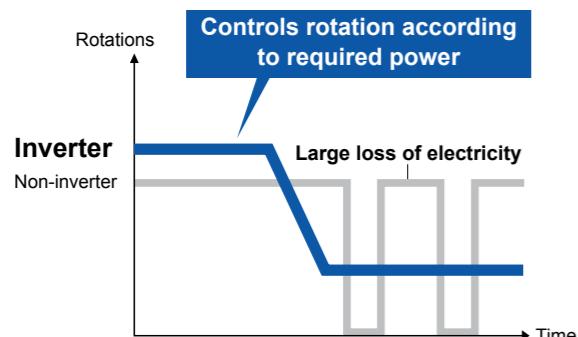
DC Inverter Control

Less Temperature Fluctuation



More Energy-Saving

Inverters are devices which are able to vary their capacity by adjusting operating frequency. Inverter air conditioners do this by altering the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed capacity and can only control the indoor temperature by starting or stopping their compressors.



Inverter systems can cut energy consumption compared to non-inverter models. This helps to reduce household power bills and also lowers CO₂ emissions caused by electricity generation.

Powerful

Inverter air conditioners operate at maximum capacity as soon as they start up. This burst of increased power allows them to reach the set temperature more quickly.

Comfortable

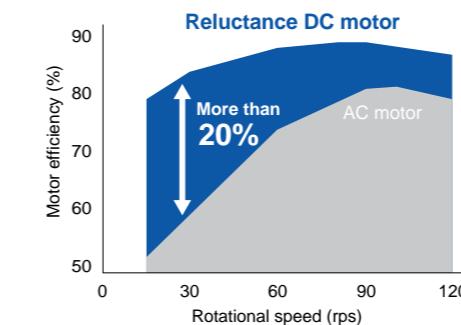
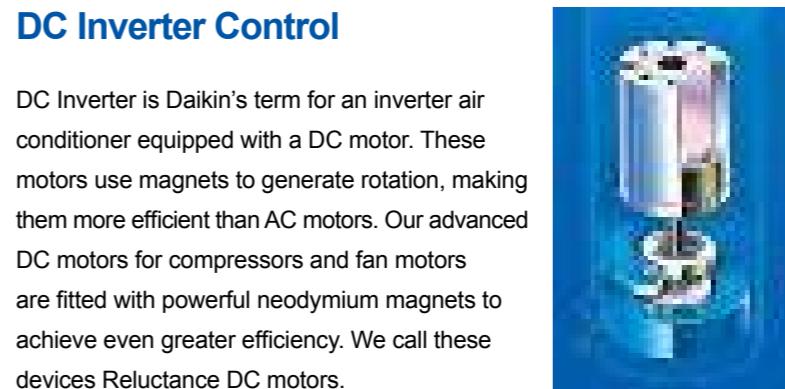
Inverter systems finely adjust their capacity according to the air conditioning load, minimising the difference between the set temperature and room temperature. This ensures higher comfort levels than with non-inverter systems.

Energy-Efficient

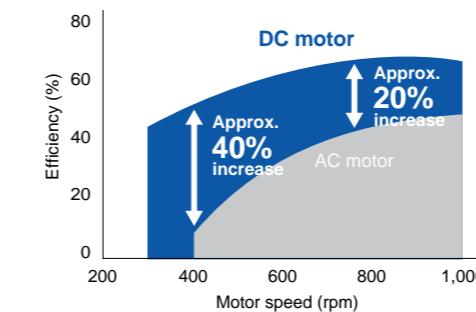
As the set temperature is reached, inverter operation adjusts to reduce capacity to maintain the room temperature. This precise control makes inverter models more energy-efficient than non-inverters, which must repeatedly start or stop their compressors.

DC Inverter Control

DC Inverter is Daikin's term for an inverter air conditioner equipped with a DC motor. These motors use magnets to generate rotation, making them more efficient than AC motors. Our advanced DC motors for compressors and fan motors are fitted with powerful neodymium magnets to achieve even greater efficiency. We call these devices Reluctance DC motors.



Reluctance DC motors are more efficient in the low frequency range commonly used by air conditioner compressors. They are capable of improving efficiency by approximately 20%¹.



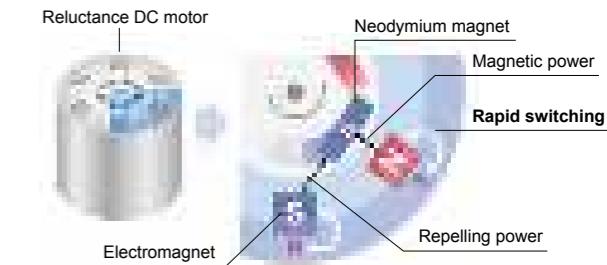
DC motors are more efficient in the low speed range usually used by air conditioner fans. They provide improvements in efficiency of up to 40%¹.

Swing Compressor

With its smooth rotation, the swing compressor significantly decreases friction and vibration. It also eliminates the leakage of refrigerant gas during compression. These advantages provide quiet and efficient operation.

Reluctance DC Motor for Compressors

The compressor is one of an air conditioner's core components and its performance is directly linked to the motor. Daikin was the first manufacturer to successfully use a Reluctance DC motor with a scroll compressor in commercial-use air conditioners². We have now adapted this high-efficiency motor for the swing compressors in our residential-use systems.



Embedding high-strength neodymium magnets in the shaft turns the entire centre of the motor into a powerful magnet. By rapidly switching the poles of this electromagnet, the Reluctance DC motor is able to produce even greater speed and power.

High COPs of 3.85 and 4.60

The 5MXS100L achieves a COP of 3.85 during cooling operation and 4.60 during heating operation thanks to Daikin's DC Inverter control and combined energy-saving technologies. These values are for rated capacity operation of five indoor units (2.5+2.5+2.5+2.5+5.0 kW class).

COP (coefficient of performance) indicates how efficiently an air conditioner uses energy. A higher COP means greater energy efficiency. It also means lower electricity consumption, and of course lower power bills.

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

Notes: 1. Values are based on in-house simulations.

2. Daikin's achievement was recognised by the Institute of Electrical Engineers of Japan at the 54th Academic Promotion and Technical Development Awards in 1998.

Quiet Nights in Your Neighbourhood

Indoor Unit Quiet Operation

The FTKS-K and FTXS-K series give you a choice of 5-step, Quiet or Automatic settings for the fan speed.

The Quiet setting selects Indoor Unit Quiet Operation, which decreases the sound pressure level by 3 dB (A) below the Low setting.

This wide range of settings allows you to precisely control the fan speed according to your needs. For example, the Quiet function will help you to sleep more comfortably at night. The indoor sound pressure level is just 22 dB (A) for the FTKS20/25K and FTXS20/25K.

FTXS20/25K during cooling operation

Fan speeds	Indoor's sound pressure levels
High (H)	38 dB (A)
Low (L)	25 dB (A)
Quiet (SL)	22 dB (A)

Each decrease in airflow volume reduces the sound pressure level.

Fan speed: Low → High

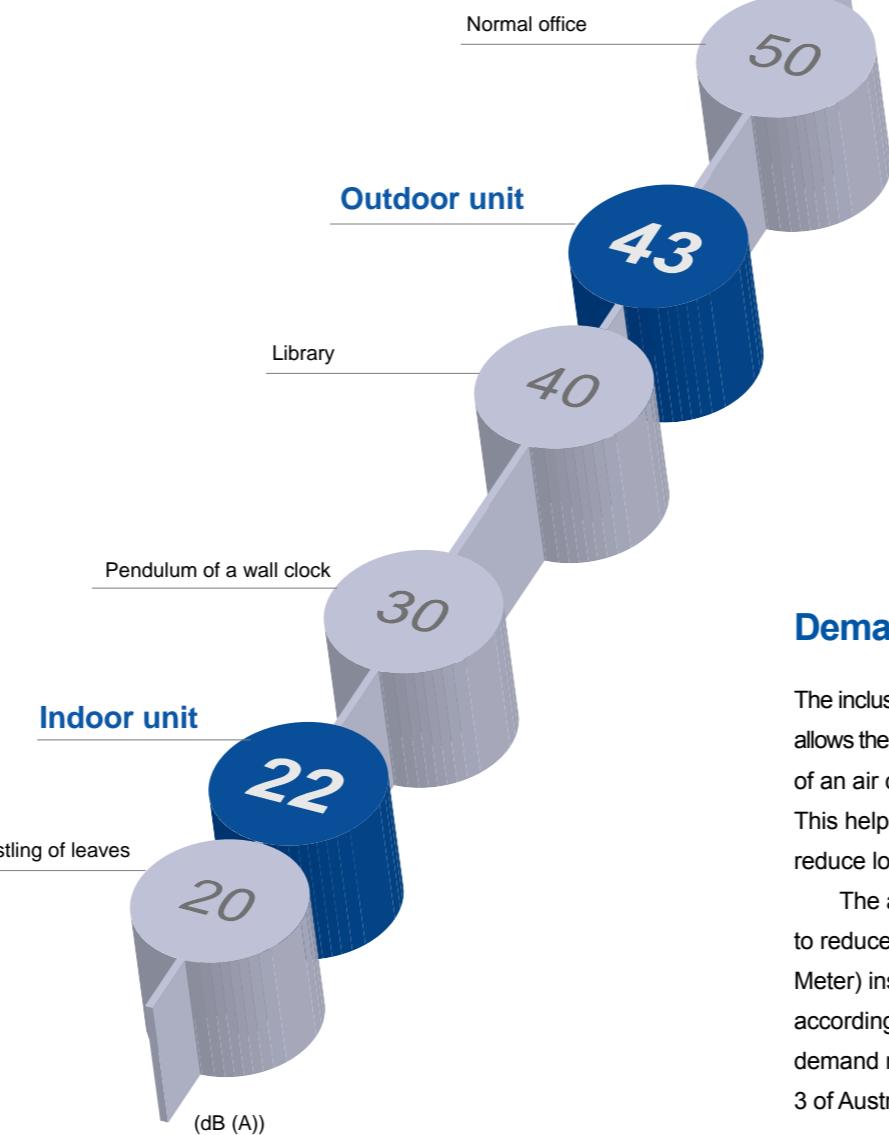
Outdoor Unit Quiet Operation

This function decreases the outdoor sound pressure level by 3 dB (A) below the rated operation. It provides a sound pressure level of 43 dB (A) for the 3MXS52L. Capacity may decrease when Outdoor Unit Quiet Operation is selected.

3MXS52L during cooling operation

Operations	Outdoor's sound pressure levels
Rated (H)	46 dB (A)
Quiet (SL)	43 dB (A)

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



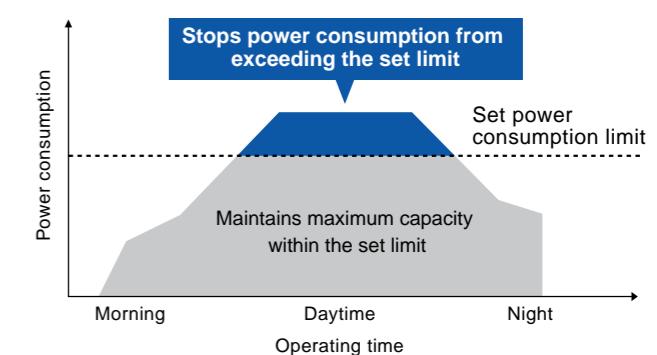
Demand Response Compatibility

The inclusion of a demand response enabling device (DRED)² allows the electricity provider to independently control the capacity of an air conditioning system at various programmed levels. This helps the provider to manage peak power demand and reduce load on the electricity grid when necessary.

The air conditioner receives signals sent by the provider to reduce electricity consumption using a wattmeter (Smart Meter) installed in each household, and controls its power accordingly. Such control complies with demand response mode (DRM) 1, 2 and 3 of Australian Standard AS4755.



This system leads to reductions in household electricity bills. In addition, consumers in some states may be eligible for Energy Saving Incentives when they purchase new energy efficient air conditioners equipped with demand response enabling devices.



Demand response modes

DRM 1	DRM 2	DRM 3
Minimum load	Reduced load	Reduced load
Compressor off until DRED signal ceases	Not to exceed 60% of kW capacity	Can be set from 60%, 70%, 80% and 90% of kW capacity

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

2. Demand response enabling device BRP070A41 or BRP070A42 is required. The device must be connected to the printed circuit board in the outdoor unit.

Wide Variety of Indoor Unit Configurations

Super Multi NX lets you freely combine indoor units in different configurations to suit your home interior and air conditioning needs. With such a wide range of configurations available, it is easy to choose the best unit for any installation surface or situation.



Wall-Mounted Type

The CTXG-P series features a sophisticated design with a uniquely European style. The sleek body houses advanced technology which provides a wide variety of functions.

CTXG-P series Page 17
FTKS-K and FTXS-K series Page 19



Ceiling-Mounted Cassette Type

This configuration allows completely flat installation inside a ceiling with a height of 300 mm or more. Lights, speakers and sprinklers can easily be placed inside adjoining spaces.

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Duct-Connected Type

These units can be hidden inside the ceiling to provide a smooth interior finish. They are suitable for living rooms with shallow tray ceilings or spots requiring a discreet appearance.

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Floor/Ceiling-Suspended Dual Type

This type can be recessed inside a wall at floor level or suspended from the ceiling.

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Floor-Standing Type

This type can be recessed inside a wall at floor level. It is particularly convenient for living rooms with high ceilings.

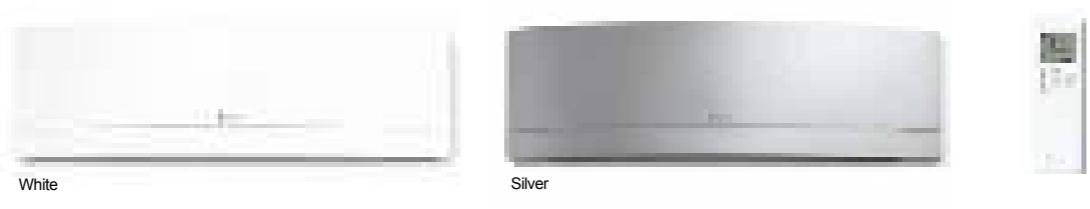
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Function List

Indoor Unit									
	Models	Wall-Mounted Type			Duct-Connected Type	Floor-Standing Type	Floor/Ceiling-Suspended Dual Type	Ceiling-Mounted Cassette Type	
Functions		CTXG25/35/50PVMAW	CTXG25/35/50PVMAS	FTKS20/25/35K, FTXS20/25/35K	FTKS50/60/71KA, FTXS50/60/71KA	CDKS-EA, CDXS-EA, CDKS-C, FDXS-C	FVXS-K	FLXS-B, FLXS-G	FFQ-B
Comfortable Airflow	Power-Airflow Dual Flaps	●		●					
	Wide-Angle Louvers	●		●		●	●		
	Vertical Auto-Swing (up and down)	●		●		●	●	●	
	Horizontal Auto-Swing (left and right)	●		●					
	3D Airflow	●		●					
	Comfort Airflow Mode	●		●					
Comfort Control	Indoor Unit Quiet Operation	●		●		●	●		
	Automatic Operation ¹	●		●		●	●	●	
	Intelligent Eye			●					
	Two Area Intelligent Eye	●							
	Programme Dry Function	●		●		●	●	●	
	Auto Fan Speed	●		●		●	●	●	
	Hot-Start Function ¹	●		●		●	●	●	
Lifestyle Convenience	Inverter Powerful Operation	●		●		●	●	●	
	Econo Mode	●		●		●			
	Home Leave Operation					●		●	
	Indoor Unit On/Off Switch	●		●		●	●	●	
	Wireless Remote Controller with Backlight	●		●					
Cleanliness	Titanium Apatite Photocatalytic Air-Purifying Filter	●		●					
	Air-Purifying Filter with Photocatalytic Deodorising Function					●	●		
	Air-Purifying Filter						●		
	Wipe-Clean Flat Panel	●		●		●			
	Filter Cleaning Indicator							●	
Timers	24 Hour On/Off Timer	●		●		●	●		
	72 Hour On/Off Timer							●	
	Weekly Timer	●		●		●			
	Night Set Mode	●		●		●	●		
	Auto-Restart after Power Failure	●		●		●	●	●	
Worry Free	Self-Diagnosis with Digital Display	●		●		●	●	●	
Outdoor Unit									
Functions	Models	3MKS58/68L, 3MXS52/68L, 4MKS80L, 4MXS80L, 5MKS100L, 5MXS100L							
Comfort Control	Outdoor Unit Quiet Operation				●				
	Night Quiet Mode				●				
	Quick Warming Function ^{1,2}				●				
	Automatic Defrosting ¹				●				
Lifestyle Convenience	Priority Room Setting				●				
	Self-Diagnosis with Digital Display				●				
Worry Free	Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins				●				
	Cooling/Heating Mode Lock ¹				●				

Notes: 1. This function is available with the reverse cycle type. 2. This function is not available for 5MXS100LVMA9.

Wall-Mounted Type CTXG-P Series



	Colour	2.5 kW class	3.5 kW class	5.0 kW class
Reverse cycle	White	CTXG25PVMAW <small>NEW</small>	CTXG35PVMAW <small>NEW</small>	CTXG50PVMAW <small>NEW</small>
	Silver	CTXG25PVMAS <small>NEW</small>	CTXG35PVMAS <small>NEW</small>	CTXG50PVMAS <small>NEW</small>

Note: NEW indicates a new design model.

Elegant Appearance with Curved Panel

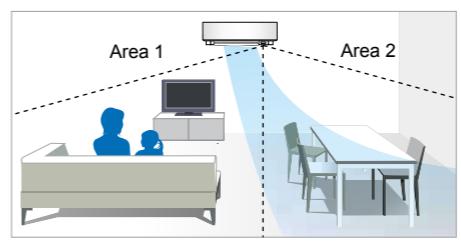
The sleek design of the CTXG-P indoor unit features a uniquely European style. This elegant body houses state-of-the-art technology which delivers superior performance. The CTXG-P series offers a versatile choice for home-owners, designers and architects alike.



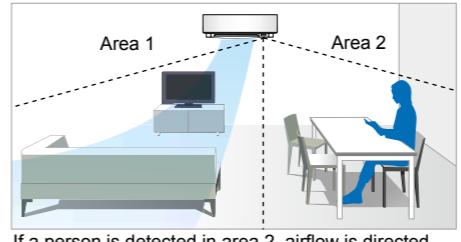
Two-Area Intelligent Eye



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 adjusts the set temperature by approximately 2°C to save energy.



If a person is detected in area 1, airflow is directed away from him/her.

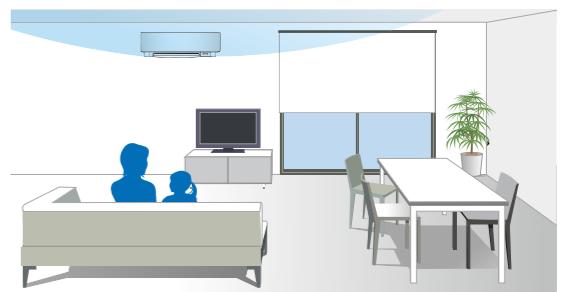


If a person is detected in area 2, airflow is directed away from him/her.

Comfort Airflow Mode



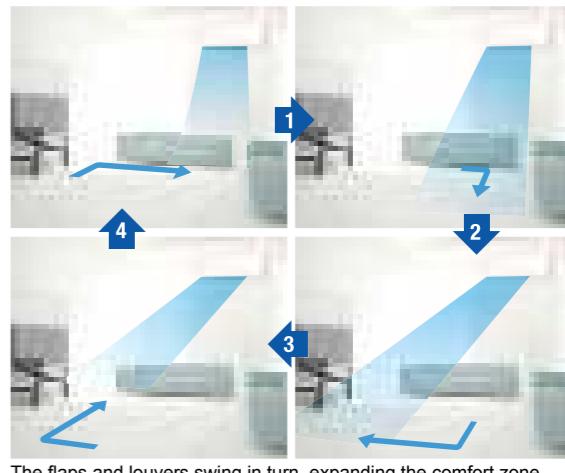
Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to a person's body. During cooling operation, the flap moves upwards to prevent cold drafts. During heating operation, the flap turns vertically downwards to drive warm air to the floor.



3D Airflow



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



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

Wall-Mounted Type FTKS-K and FTXS-K Series



	2.0 kW class	2.5 kW class	3.5 kW class
Cooling only	FTKS20KVMA	FTKS25KVMA	FTKS35KVMA
Reverse cycle	FTXS20KVMA	FTXS25KVMA	FTXS35KVMA



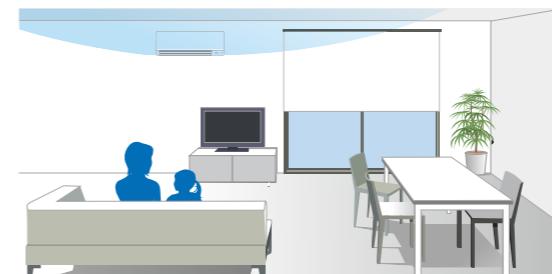
	5.0 kW class	6.0 kW class	7.1 kW class
Cooling only	FTKS50KAVMA	FTKS60KAVMA	FTKS71KAVMA
Reverse cycle	FTXS50KAVMA	FTXS60KAVMA	FTXS71KAVMA

Variety of Functions

The FTKS-K and FTXS-K series feature a simple yet sophisticated design. These stylish units house advanced technologies which provide a wide variety of comfort and lifestyle functions.

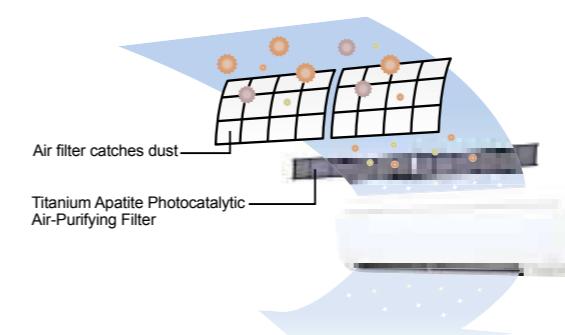
Comfort Airflow Mode

- Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to a person's body. The flap moves upward during cooling operation and downward during heating operation.



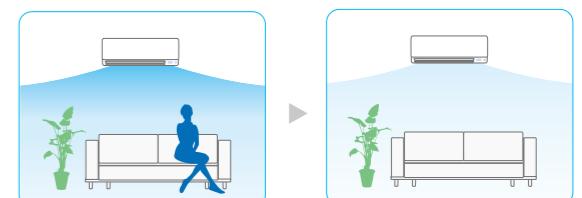
Titanium Apatite Photocatalytic Air-Purifying Filter

- Titanium apatite is an advanced photocatalytic material with great adsorption power. While a filter's micron-level fibres trap dust, titanium apatite effectively adsorbs and decomposes bacteria^{1,2}. The photocatalyst is activated simply by exposure to light. This filter delivers consistent performance for approximately three years if it is washed with water once every six months.



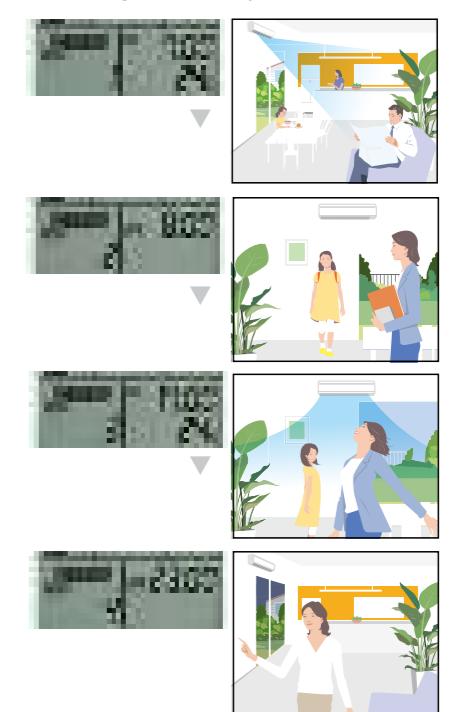
Intelligent Eye

- 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.



Weekly Timer (Backlit LCD with luminescent control buttons)

- The Weekly Timer allows up to four actions to be programmed for each day of the week. It is possible to schedule not only the On and Off times but also to set temperatures. Once you set up the Weekly Timer, the air conditioner operates each day without controller input. The Weekly Timer synchronises the air conditioner with your family's schedule, greatly improving comfort in your home.



Notes: 1. Bacteria Removal Test
Testing method: Dropping method
Testing organisation: Japan Spinners Inspecting Foundation
Result certificate: No. 012553-1 and 012553-2

2. This filter is not a medical device. Benefits such as the adsorption and decomposition of bacteria are only effective for substances which are directly attached to the Titanium Apatite Photocatalytic Air-Purifying Filter.

Indoor Unit

Duct-Connected Type

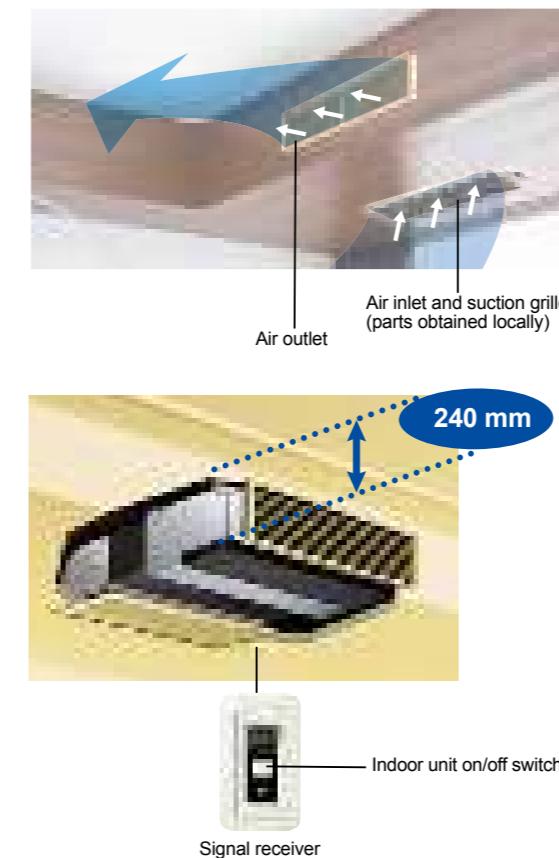


	2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class
Width of 700 mm	Cooling only	CDKS25EAVMA	CDKS35EAVMA	
	Reverse cycle	CDXS25EAVMA	CDXS35EAVMA	
Width of 900 and 1,100 mm	Cooling only	CDKS25CVMA	CDKS35CVMA	CDKS50CVMA
	Reverse cycle	FDXS25CVMA	FDXS35CVMA	FDXS50CVMA

Bulkhead Installation

The duct-connected type can be hidden inside the ceiling to provide a clean exterior. It is suitable for living rooms with shallow tray ceilings or areas requiring a discreet appearance. The CDKS25/35EA and CDXS25/35EA are only 700 mm wide, making them ideal for narrow spaces.

All models are 200 mm high and require a space of only 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

This switch allows convenient manual starting of the indoor unit if the wireless remote controller is misplaced or its batteries are not charged.

Inverter Powerful Operation



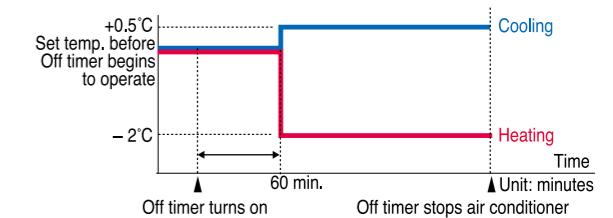
Inverter Powerful Operation boosts airflow to maximum volume for a 20 minute period. This function is convenient for quickly adjusting the indoor temperature to the set temperature. After 20 minutes, the unit automatically returns to its previous settings.



Night Set Mode



Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling or heating for more restful sleep. One hour after the Off timer button is pressed, the room temperature is raised by 0.5°C for cooling operation or lowered by 2°C for heating operation.



Floor-Standing Type



Depth of Only 115 mm



A cleverly designed flat panel allows this type to be installed either fully exposed against a wall at floor level or semi-recessed in spaces such as the structure around a fireplace. It is particularly convenient for living rooms with high ceilings.

The exposed part of a unit measures only 115 mm, enabling installation almost anywhere.



	2.5 kW class	3.5 kW class	5.0 kW class
Reverse cycle	FVXS25KV1A	FVXS35KV1A	FVXS50KV1A

Dual Air Discharge

Daikin's inverter floor standing units provide highly effective heating operation. While dual outlets diffuse warmth at floor level, vertical auto swing louvers spread air evenly across the whole room. In warmer months, the lower vent can be closed, leaving the top outlet to stream cool, refreshing air up and outwards.



Double airflow keeps the floor warm during heating operation.

Wipe-Clean Flat Panel



Dust on the panel surface can be simply wiped away with a soft cloth. The unit can also be installed off the floor to enable cleaning of the space underneath.



Wiping the flat panel is a breeze.

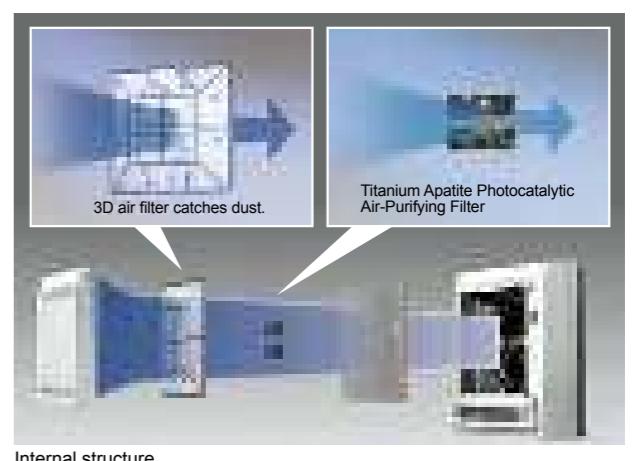


Easily clean beneath the unit.

Titanium Apatite Photocatalytic Air-Purifying Filter



Titanium apatite is an advanced photocatalytic material with great adsorption power. While a filter's micron-level fibres trap dust, titanium apatite effectively adsorbs and decomposes bacteria^{1,2}. The photocatalyst is activated simply by exposure to light. This filter delivers consistent performance for approximately three years if it is washed with water once every six months.



Internal structure

Notes: 1. Bacteria Removal Test
Testing method: Dropping method
Testing organisation: Japan Spinners Inspecting Foundation
Result certificate: No. 012553-1 and 012553-2

2. This filter is not a medical device. Benefits such as the adsorption and decomposition of bacteria are only effective for substances which are directly attached to the Titanium Apatite Photocatalytic Air-Purifying Filter.

Floor/Ceiling-Suspended Dual Type



Two Way Installations

The floor/ceiling-suspended dual type can be recessed inside a wall at floor level or suspended from the ceiling. Floor level installation is recommended for units which are mainly used for heating operation.

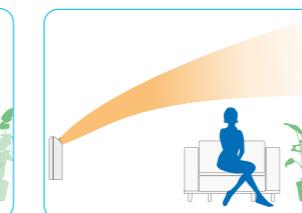
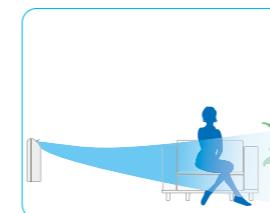
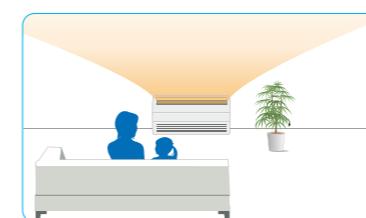
	2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class
Reverse cycle	FLXS25BVMA	FLXS35GVMA	FLXS50GVMA	FLXS60GVMA



Wide-Angle Louvers



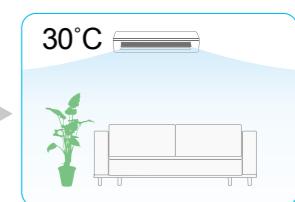
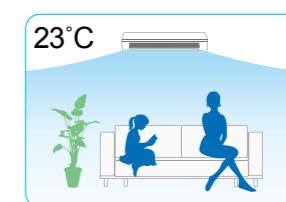
Vertical Auto-Swing and Wide-Angle Louvers help to distribute airflow across large rooms, air conditioning the whole space evenly.



Home Leave Operation

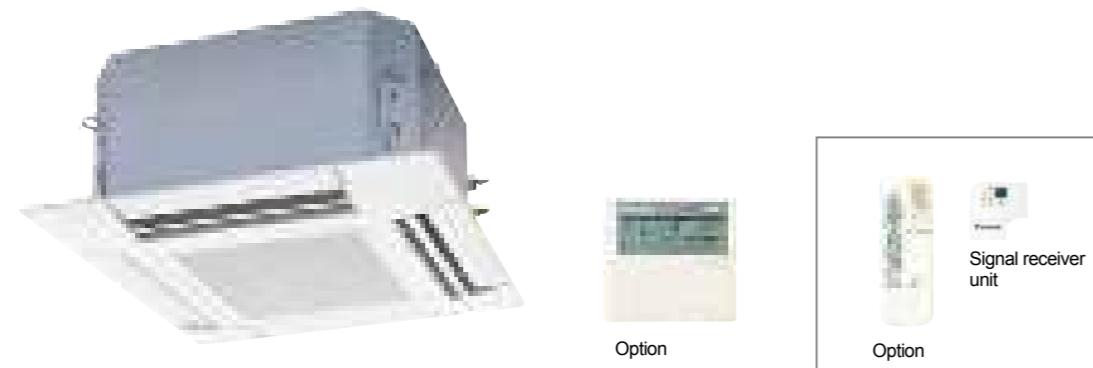


Home Leave Operation prevents a room from becoming too hot or cold while you are sleeping or out of your home. This ensures you always wake or return to air conditioned comfort. It also means the indoor temperature quickly returns to your preferred setting. The function can be set at any temperature from 18 to 32°C for cooling operation and 10 to 30°C for heating operation.



During cooling operation, with settings of 23°C for the room temperature and 30°C for Home Leave Operation.

Ceiling-Mounted Cassette Type



	2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class
Cooling only	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
Reverse cycle	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B

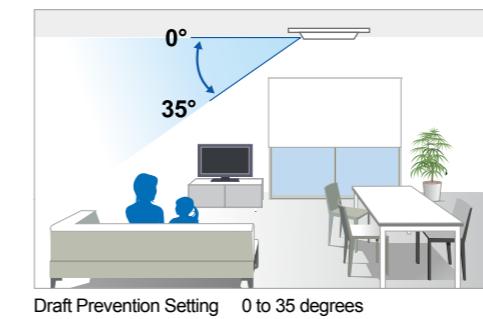
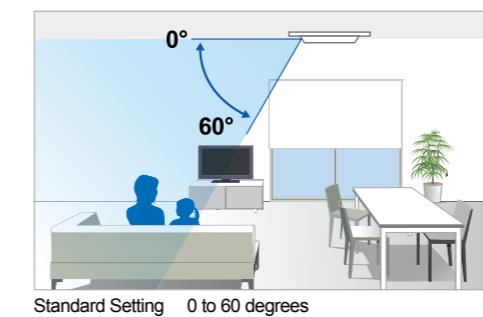
Completely Flat Finish

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.



Draft Prevention Setting

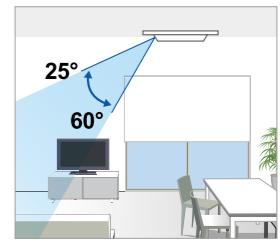
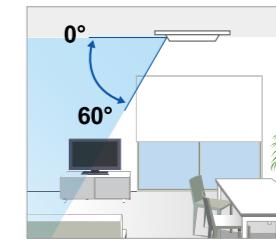
The Draft Prevention Setting stops air blowing directly on to a person's body. With this setting, flap movement can be limited to an arc of 0 to 35 degrees¹. This helps to eliminate uncomfortable drafts while maintaining effective airflow.



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

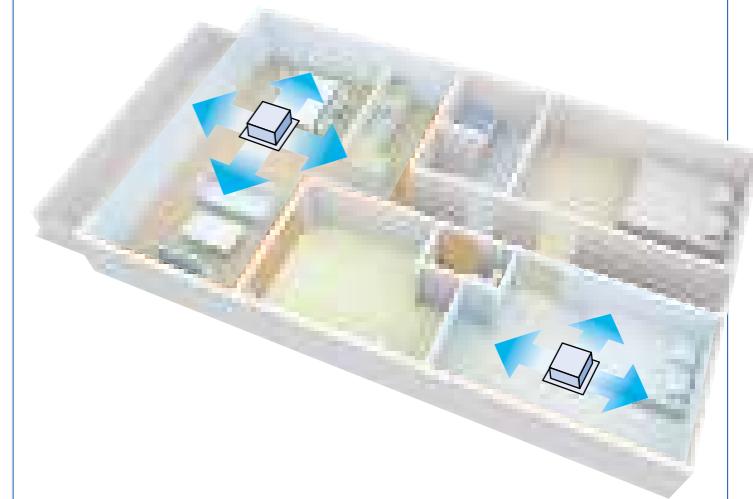
Soil Prevention Setting

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 degrees¹. The result is a cleaner ceiling which requires minimal maintenance.



Free Installation Position

Air discharge patterns 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.

From Individual to Centralised Control

Controllers

Super Multi NX offers both individual and centralised control. When individual control is selected, each unit can be operated with its remote controller. If the 5-room centralised remote controller is used, units in individual rooms can all be operated from the main control panel. Even when wireless remote controllers are used in each room, Priority Room Setting allows a combination of both individual and centralised control.



Wireless remote controller



Wired remote controller (option)



5-room centralised controller (option)



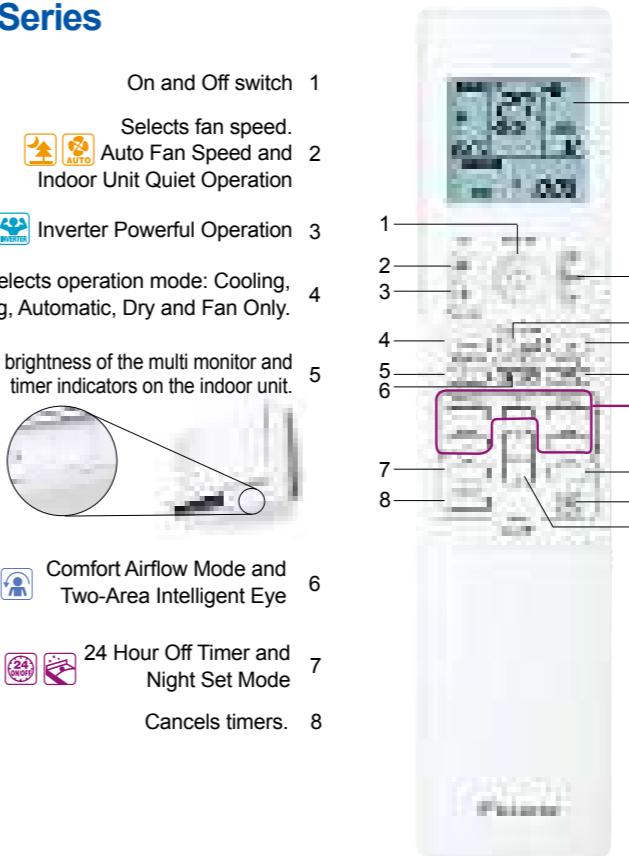
Central remote controller (option)



Unified on/off controller (option)

CTXG-P Series

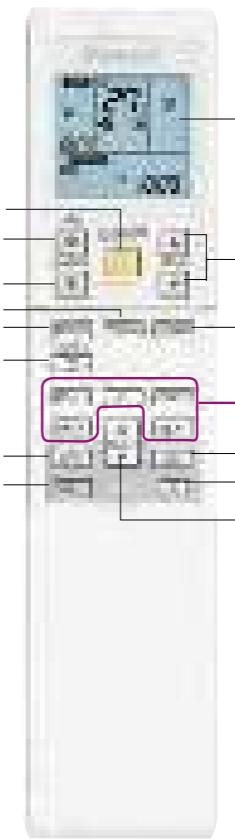
- On and Off switch 1
- Selects fan speed.
- Auto Fan Speed and Indoor Unit Quiet Operation
- Inverter Powerful Operation 3
- Selects operation mode: Cooling, Heating, Automatic, Dry and Fan Only. 4
- Sets brightness of the multi monitor and timer indicators on the indoor unit. 5
- Comfort Airflow Mode and Two-Area Intelligent Eye 6
- 24 Hour Off Timer and Night Set Mode 7
- Cancels timers. 8



- The backlit LCD allows easy operation in the dark.
- 9 Sets room temperature.
- 10 Econo Mode and Outdoor Unit Quiet Operation
- 11 Sets vertical airflow direction. Vertical Auto-Swing and 3D Airflow
- 12 Sets horizontal airflow direction. Horizontal Auto-Swing and 3D Airflow
- 13 24 Hour On Timer
- 14 Sets clock.
- 15 Selects timer, mode, setting significant number, day, time and temperature.

FVXS-K Series

- On and Off switch 1
- Selects fan speed.
- Auto Fan Speed and Indoor Unit Quiet Operation
- Inverter Powerful Operation 3
- Econo Mode 4
- Selects operation mode: Cooling, Heating, Automatic, Dry and Fan Only. 5
- Outdoor Unit Quiet Operation 6
- 24 Hour Off Timer and Night Set Mode 7
- Cancels timers. 8



- The backlit LCD allows easy operation in the dark.
- 9 Sets room temperature.
- 10 Sets vertical airflow direction. Vertical Auto-Swing
- 11 24 Hour On Timer
- 12 Sets clock.
- 13 Selects timer, mode, setting, significant number, day, time and temperature.

Functions

Comfortable Airflow

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.

► See page 26

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 18

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 pages 18 and 20

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 11

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 11

Night Quiet Mode

Outdoor unit operating sound pressure levels are automatically decreased from the rated operation sound when the outdoor temperature has dropped by 6°C from the maximum temperature recorded during the daytime. Initial setting is required during installation.

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

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 20



Two-Area Intelligent Eye

This function detects the location of people in two areas and automatically redirects airflow to avoid uncomfortable drafts. It also adjusts the set temperature by approximately 2°C to save energy if there is no movement for 20 minutes.

► See page 18



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 controls fan speed to adjust the room temperature to the set temperature.



Hot-Start Function

After defrosting or when starting heating operation, air is preheated before discharge to prevent uncomfortable cold drafts. This function is available with the reverse cycle type.

► See page 28

Cleanliness



Titanium Apatite Photocatalytic Air-Purifying Filter

This filter contains the advanced photocatalytic material titanium apatite. While the filter's micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria. The filter can be used for up to three years with proper maintenance.

► See pages 20 and 24



Air-Purifying Filter with Photocatalytic Deodorising Function

This filter is made of titanium oxide. It adsorbs and decomposes bacteria. The filter can be used for up to three years with proper maintenance.



Air-Purifying Filter

This filter removes impurities such as dust, pollen as well as bacteria and viruses from the air.



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.

► See page 24



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.

Lifestyle Convenience

Inverter Powerful Operation

This function boosts cooling or heating performance for a 20 minute period. It is convenient when the air conditioner is first turned on or it is necessary to change the room temperature quickly.

► See page 22



Econo Mode

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



Home Leave Operation

Home Leave Operation continues operation to prevent a room from becoming too hot or cold while you are sleeping or out of your home. Select any temperature from 18 to 32°C for cooling operation and 10 to 30°C for heating operation.

► See page 26



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.

► See page 22



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 Inverter Powerful Operation and the operation mode.

► See page 8



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.

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 Digital Display

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.

Cooling/Heating Mode Lock

With this function, the operation mode can be locked in individual rooms to prevent it being changed. This feature is particularly useful for facilities such as small hotels and is available with the reverse cycle type.

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 wired or wireless remote controller. The controllers are options.

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 20

Night Set Mode

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

► See page 22

Others

Quick Warming Function

During low outdoor temperatures, this function preheats the compressor to shorten the time required to discharge warm air.

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.

These two functions are available with the reverse cycle type.

**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

- Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
- 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.

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING
MANUFACTURING DIVISION



JMI-0107

Scope of Registration:
The design/development and manufacture of commercial air conditioning, heating, cooling, refrigerating equipment, heating equipment, residential air conditioning equipment, heat reclaim ventilation, air cleaning equipment, compressors and valves.



JQA-1452

Organization:
DAIKIN INDUSTRIES
(THAILAND) LTD.

Scope of Registration:
The design / development and manufacture of air conditioners and the components including compressors used for them



Daikin Australia
Pty Limited (ISO9001)
QEC23256 May 12, 2006
Sydney, Brisbane,
Adelaide,
Melbourne, Newcastle,
Townsville, Perth,
Auckland



All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.



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October 27, 2006
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