

**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.

**Dealer**

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# Multi-Split Type Air Conditioners

DC Inverter Control  
 Cooling Only 50 Hz

**R-32**





# Multi-Split Systems: Overview



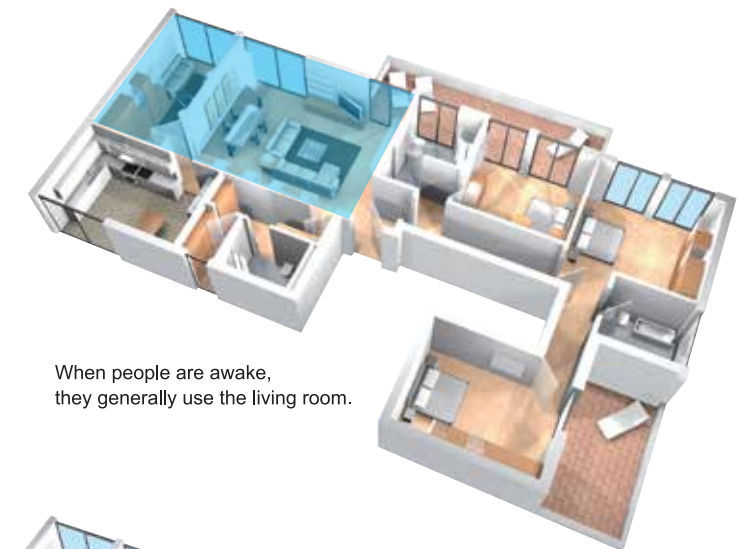
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During the day, people tend to use shared spaces such as the living room more. At night, they mainly use the bedrooms. Based on these patterns, it is unusual for all indoor units to operate at the same time. In this situation, a multi-split system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

# Pioneer of Multi-Split Systems

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.

Daikin multi-split type air conditioners require 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 Daikin's DC Inverter control and next-generation R-32 refrigerant.

## Features

1. Single outdoor unit is connectable to up to five indoor units.
2. Compact and powerful system enables an outdoor unit to connect indoor units up to 205% of outdoor capacity.
3. Two latest wall-mounted type and duct-connected type indoor units are connectable.
4. Indoor units have a wide range of capacity classes from 2.5 to 7.1 kW.
5. All systems use next-generation R-32 refrigerant.
6. DC Inverter enables air conditioners to achieve high energy efficiency.



Up to five indoor units



Up to four indoor units



Up to four indoor units



Up to four indoor units





# Single Outdoor Unit Connectable to Up to Five Indoor Units

Outdoor unit			
Max. connectable indoor units	<b>4</b> Connectable to up to four indoor units		<b>5</b> Connectable to up to five indoor units
Model name	 MKM65PV14	 MKM80PV14	 MKM95PV14
Rated cooling capacity (kW)	6.5	7.6	10.5

Possible combinations for indoor and outdoor units				
Model	MKM65PV14	MKM80PV14	MKM95PV14	MKM105PV14
2.5 kW class	●	●	●	●
3.5 kW class	●	●	●	●
4.2 kW class	●	●	●	●
5.0 kW class	●	●	●	●
6.0 kW class	●	●	●	●
7.1 kW class		●	●	●

Indoor unit								
Configuration	Series		2.5 kW class	3.5 kW class	4.2 kW class	5.0 kW class	6.0 kW class	7.1 kW class
Wall-Mounted Type	<b>FTKJ-N Series</b> 		FTKJ25NVM4W	FTKJ35NVM4W		FTKJ50NVM4W		
			FTKJ25NVM4S	FTKJ35NVM4S		FTKJ50NVM4S		
	<b>CTKM-P Series</b>		CTKM25PV14	CTKM35PV14	CTKM42PV14	CTKM50PV14		
							CTKM60PV14	
								CTKM71PV14
	Duct-Connected Type	Width 700 mm		CDKP25PV14	CDKP35PV14			
Width 900 and 1,100 mm			CDKM25PV14	CDKM35PV14		CDKM50PV14	CDKM60PV14	



# Compact and Powerful System

## Connectable to up to 205% 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.

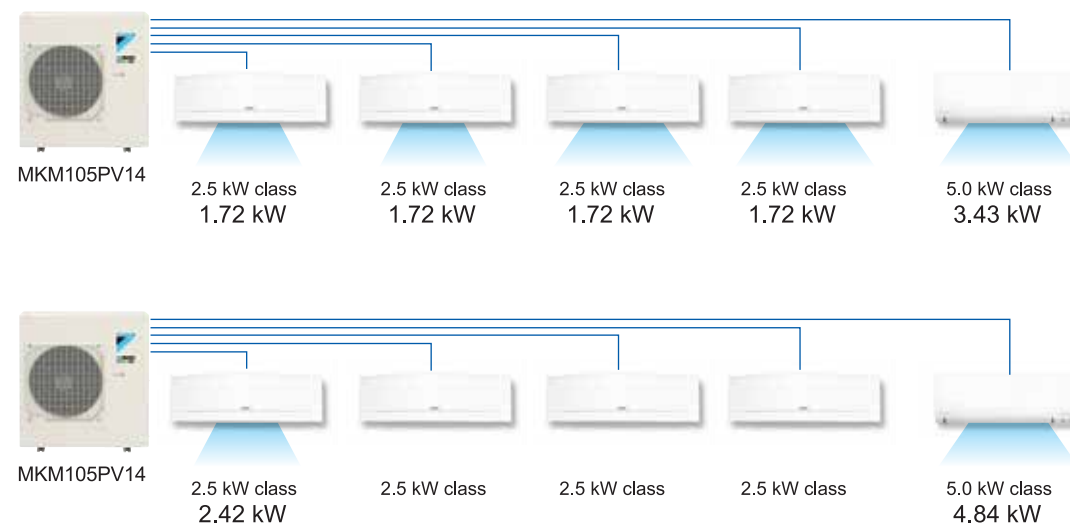
This is a reason why a single multi-split outdoor unit can be connected to indoor units which exceed its capacity. Daikin Multi-Split Type can be connectable by 149% to 205%.

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.



Outdoor unit	MKM65PV14	MKM80PV14	MKM95PV14	MKM105PV14
Max. connected indoor unit capacity	12.0 kW	15.6 kW	15.6 kW	15.6 kW
Rated cooling capacity	6.5 kW	7.6 kW	9.2 kW	10.5 kW

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



## Priority Room Setting

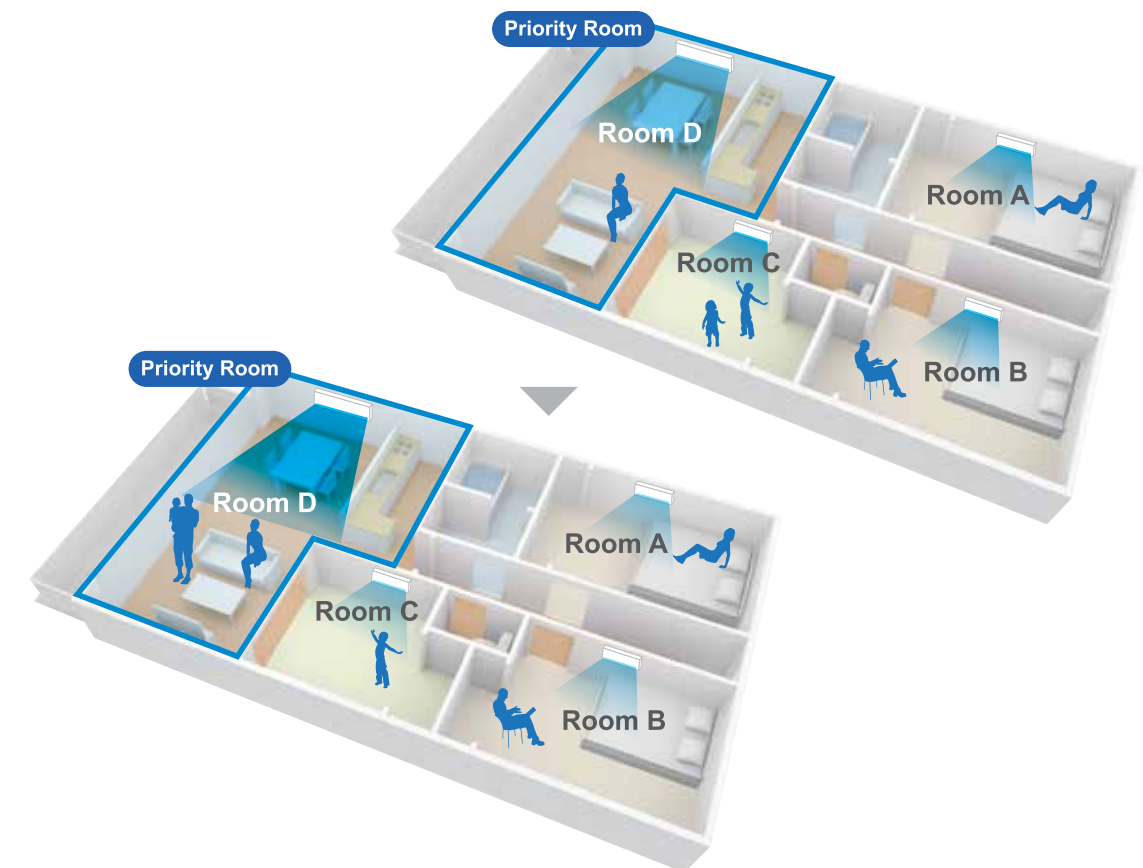


Priority Room Setting assigns priority control over Inverter Powerful Operation and operation mode to a selected room. This enables a combination of individual and centralised control. Initial setting is required during installation to activate this function.

**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 settings.



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.



**Outdoor Unit Quiet Operation:** If Priority Room Setting is activated, this function can be set easily from the remote controller in the priority room.<sup>1</sup>

Note: 1. 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.

# Long Piping Length and Compact Outdoor Units

Capacity class (kW)	6.5 and 8.0	9.5 and 10.5
Outdoor unit Dimensions (mm)		

## Lowline Outdoor Units

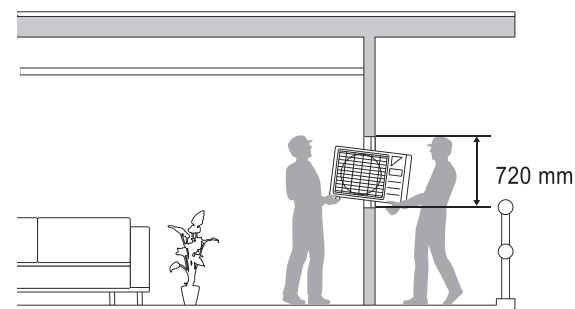
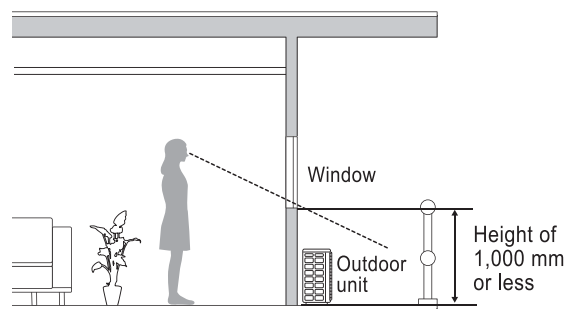
User

To preserve the view from inside a home, an outdoor unit should be less than 1,000 mm high. Daikin has designed all outdoor units with this important point in mind. The powerful 10.5 kW class outdoor unit is only 990 mm high, even though it can be connected to five indoor units.

## Easy Installation

User Installer

The 6.5 and 8.0 kW class outdoor units are just 695 mm high. This low body allows them to be easily passed through windows, which are usually 720 mm high.



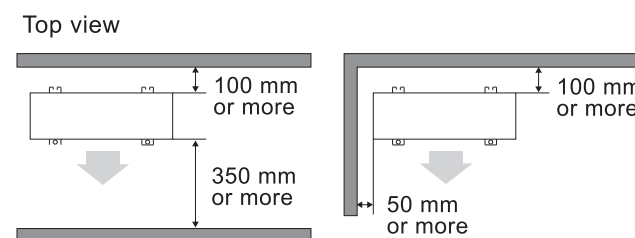
## No Short-Circuits

User Consultant

The 10.5 kW class outdoor unit can be connected to up to five indoor units. In larger homes, additional split type models may also be required. Fortunately, the 10.5 kW class unit is just 990 mm high, 940 mm wide and 320 mm deep.

These compact dimensions help to ensure adequate clearance even on a narrow balcony. Poor clearance can cause short-circuits or loss of performance due to insufficient air intake.

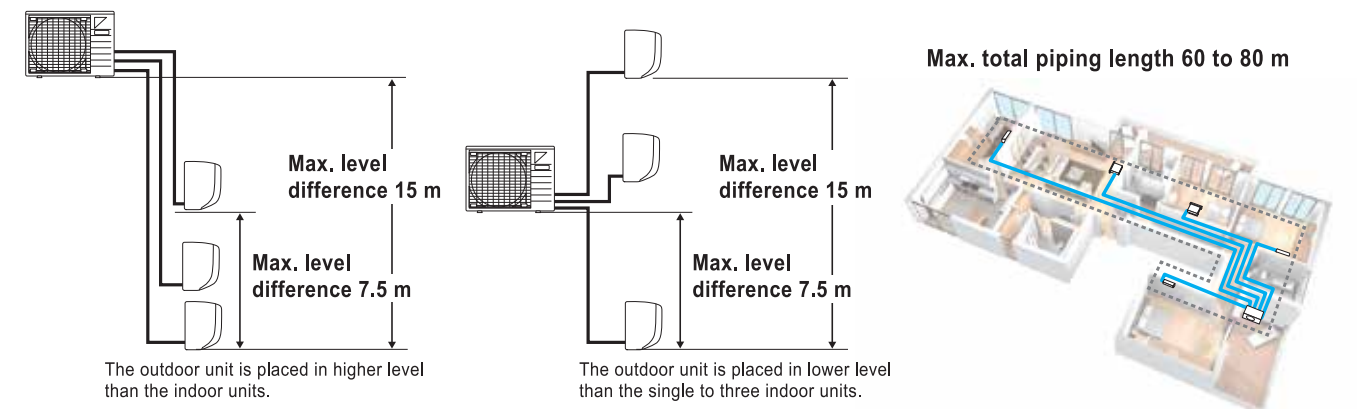
Clearances are required when there are walls on two sides<sup>1</sup>.



## High Design Flexibility

User Consultant

A generous piping length and level difference give consultants more freedom when specifying the positions of multiple indoor units.



		MKM65PV14	MKM80PV14	MKM95PV14	MKM105PV14
Max. piping length (m)	Total	60	70	80	
	For one room		30		
Max. level difference (m)	Between indoor and outdoor units		15		
	Between indoor units		7.5		

Note: 1. These diagrams do not indicate all possible installation cases.

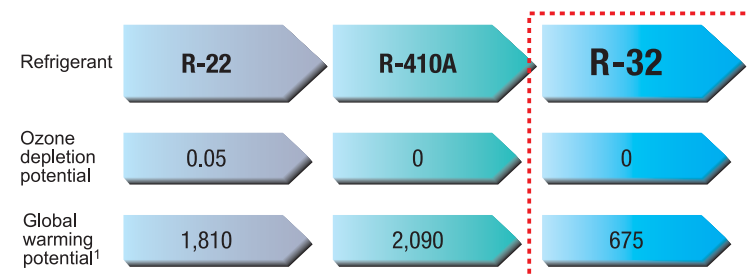


# Next-Generation R-32 Refrigerant

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

## Zero Ozone Layer Depletion

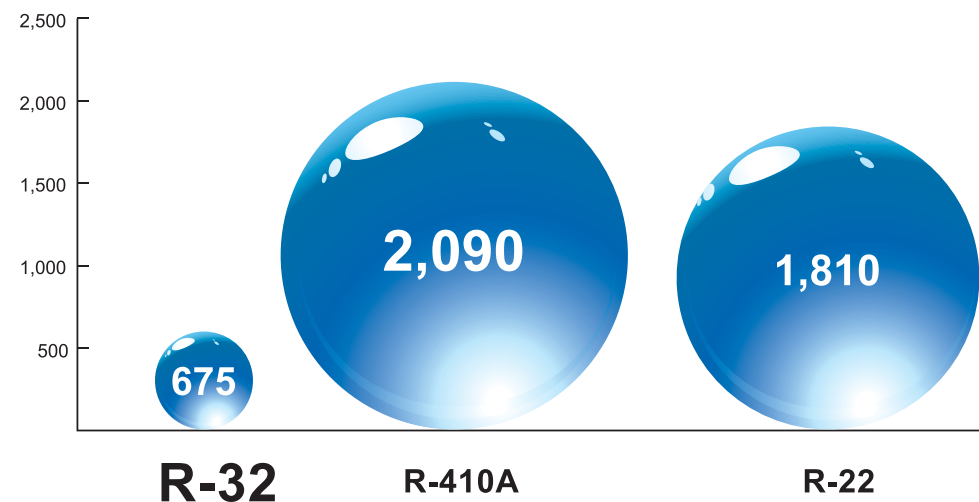
The ozone layer surrounds the Earth and helps to absorb the harmful ultraviolet rays in sunlight. Although R-22 (HCFC) refrigerant had been used in air conditioners and refrigerators, it damages the ozone layer and its use is to be mostly eliminated by 2020. To replace R-22, Taiwan, Japan and European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



## Less Impact on Global Warming

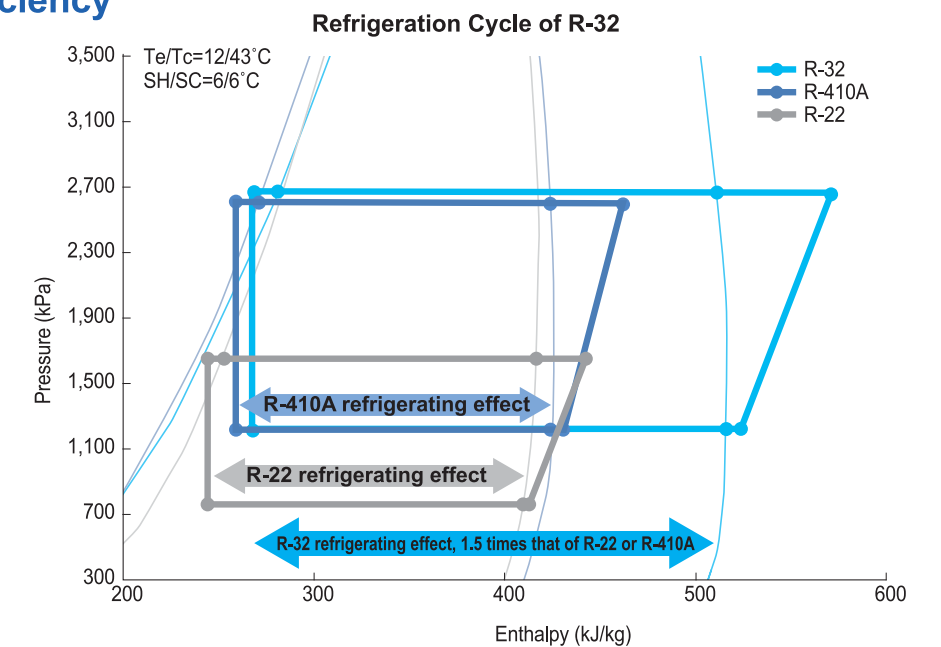
The Earth retains solar heat in the daytime for warming and then releases this heat at night, allowing it to maintain an optimal temperature range. However, with greenhouse gases increasing, it is more difficult to discharge heat and the planet is gradually becoming warmer. This is called global warming.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

Global Warming Potential<sup>1</sup>



## Increased Energy Efficiency

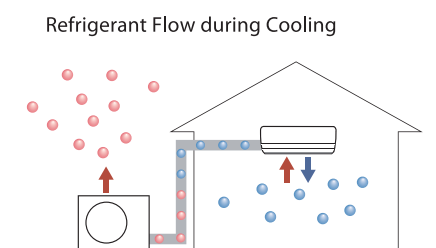
The potential refrigerating effect of R-32 is 1.5 times that of R-410A. Thus the piping diameter can be smaller.



## Refrigerants: Heat Release in Air Conditioning Systems

**Similar Mechanism to Human Body**  
An air conditioner functions in a surprisingly similar way to the human body. In the body, blood carries heat as it circulates and helps to release excess heat through sweating. Refrigerant also carries heat and helps to adjust temperature through heat exchange.

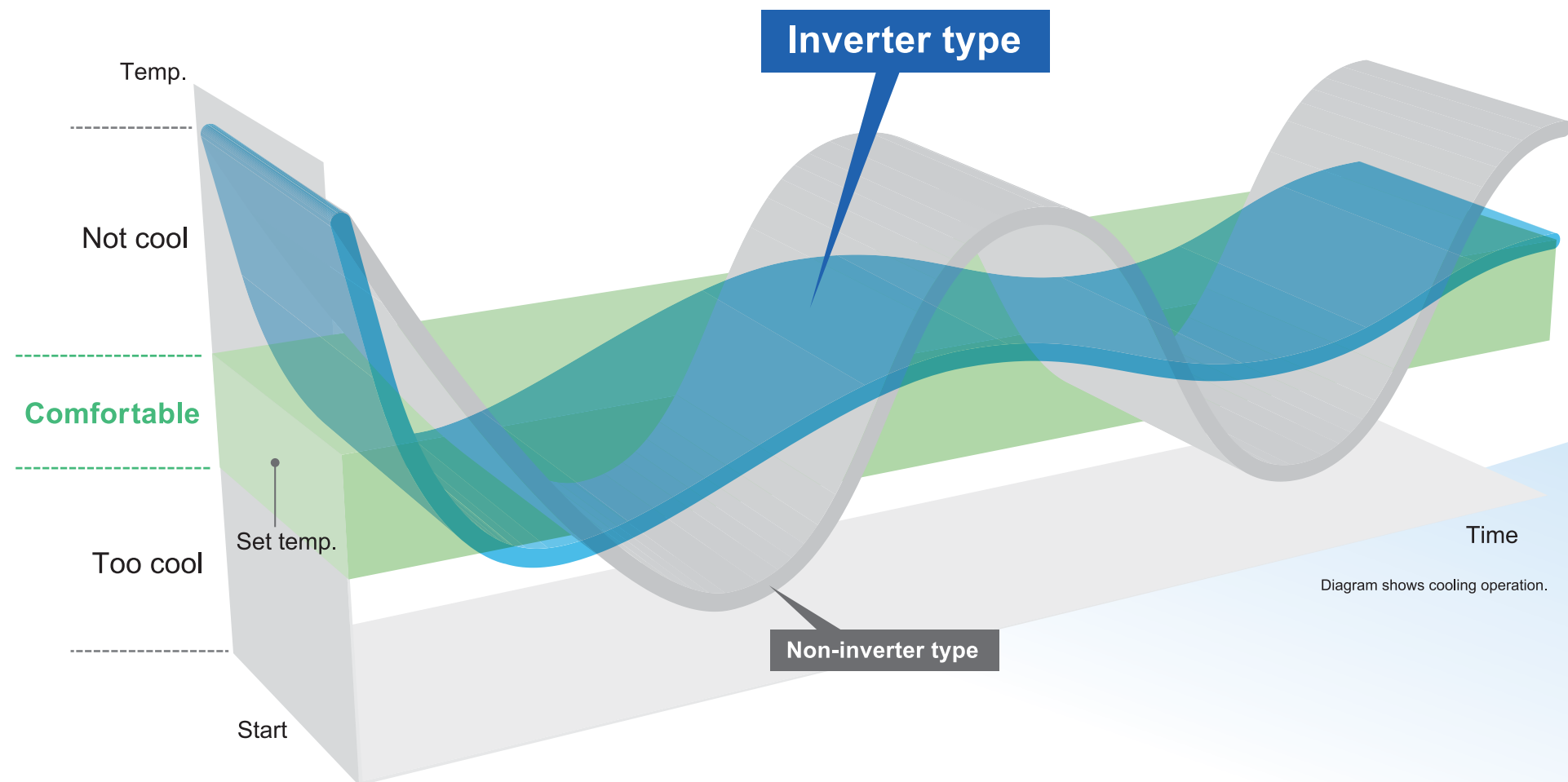
**Effective Release of Heat**  
Refrigerant is changed from gas to liquid in the outdoor heat exchanger, after which it is evaporated in the indoor heat exchanger. During cooling operation, cool air is discharged from the indoor unit while heat is removed from the air taken in from inside the room. This heat is delivered to the outdoor unit and released.



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

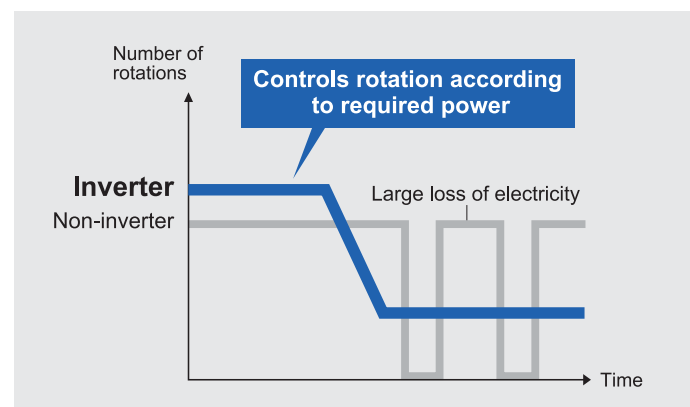
# Inverter Advantages

## Less Temperature Fluctuation



## More Energy-Saving than Non-Inverter

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 CO<sub>2</sub> 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.

## Energy-Saving

As the set temperature is reached, inverter operation adjusts to low 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.

## 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.





# High Energy Efficiency with DC Inverter Control

## High COPs of 4.30 to 4.92

The MKM65P achieves a COP of 4.92 thanks to Daikin's DC Inverter control and next-generation R-32 refrigerant.

Capacity class	Model	Rated COP		
		3	4	5 (W/W)
6.5 kW class	MKM65PV14	4.92		
		Rated indoor units combination 2.5+2.5+2.5+2.5		
8.0 kW class	MKM80PV14	4.90		
		Rated indoor units combination 2.5+3.5+3.5+6.0		
9.5 kW class	MKM95PV14	4.32		
		Rated indoor units combination 2.5+3.5+3.5+6.0		
10.5 kW class	MKM105PV14	4.30		
		Rated indoor units combination 2.5+2.5+3.5+3.5+3.5		

### What Is COP?

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

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

## Daikin DC Inverter Technologies

### DC Inverter Control

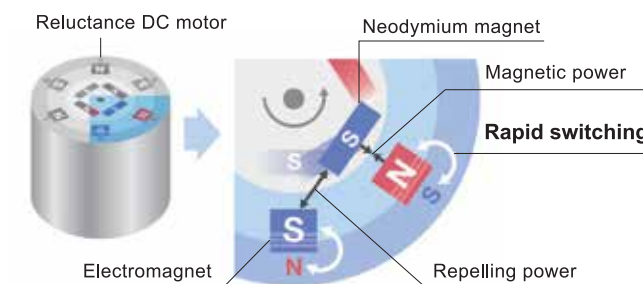
DC Inverter is Daikin's term for an inverter air conditioner equipped with a DC motor. These motors use magnets to generate rotation, making them more efficient than AC motors. Daikin has fitted its advanced DC motors for compressors and fan motors with powerful neodymium magnets to achieve even greater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



Swing compressor



Reluctance DC motor



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.

### 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.

The high performance of this Daikin original technology was recognised in 1997 with the receipt of an award from the Japan Society for the Promotion of the Machine Industry<sup>1</sup>. The compressor's reputation for reliability has grown considerably in the nearly 20 years since this award was presented.

### 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 to successfully use a Reluctance DC motor with a scroll compressor in commercial-use air conditioners<sup>2</sup>. It has now adapted this high-efficiency motor for the swing compressors in its residential-use systems. The Reluctance DC motor saves energy by generating more power with a smaller electric current than AC or conventional DC motors.

Notes: 1. This marked the development of a high-performance swing compressor that was compatible with alternative fluorocarbons.

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 Operating Sound of 19 dB (A)

## 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. Daikin believes both of these points are essential.

## Indoor Unit Quiet Operation

This series gives you a choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation, which decreases the sound pressure level by 2 to 7 dB (A) below the Low setting.

This wide range of settings allows you to precisely control the fan speed according to your needs. For example, the Quiet function will help you to sleep comfortably at night. The sound pressure level for the FTKJ25N and CTKM25P is 19 dB (A).

### FTKJ25N

Fan speeds	Sound pressure levels
High (H)	38 dB (A)
Low (L)	25 dB (A)
Quiet (SL)	19 dB (A) <sup>1</sup>

	Auto	SL	L	M	H
Fan speed	Low ←————→ High				
Sound pressure level	Each decrease in airflow volume reduces the sound pressure level.				

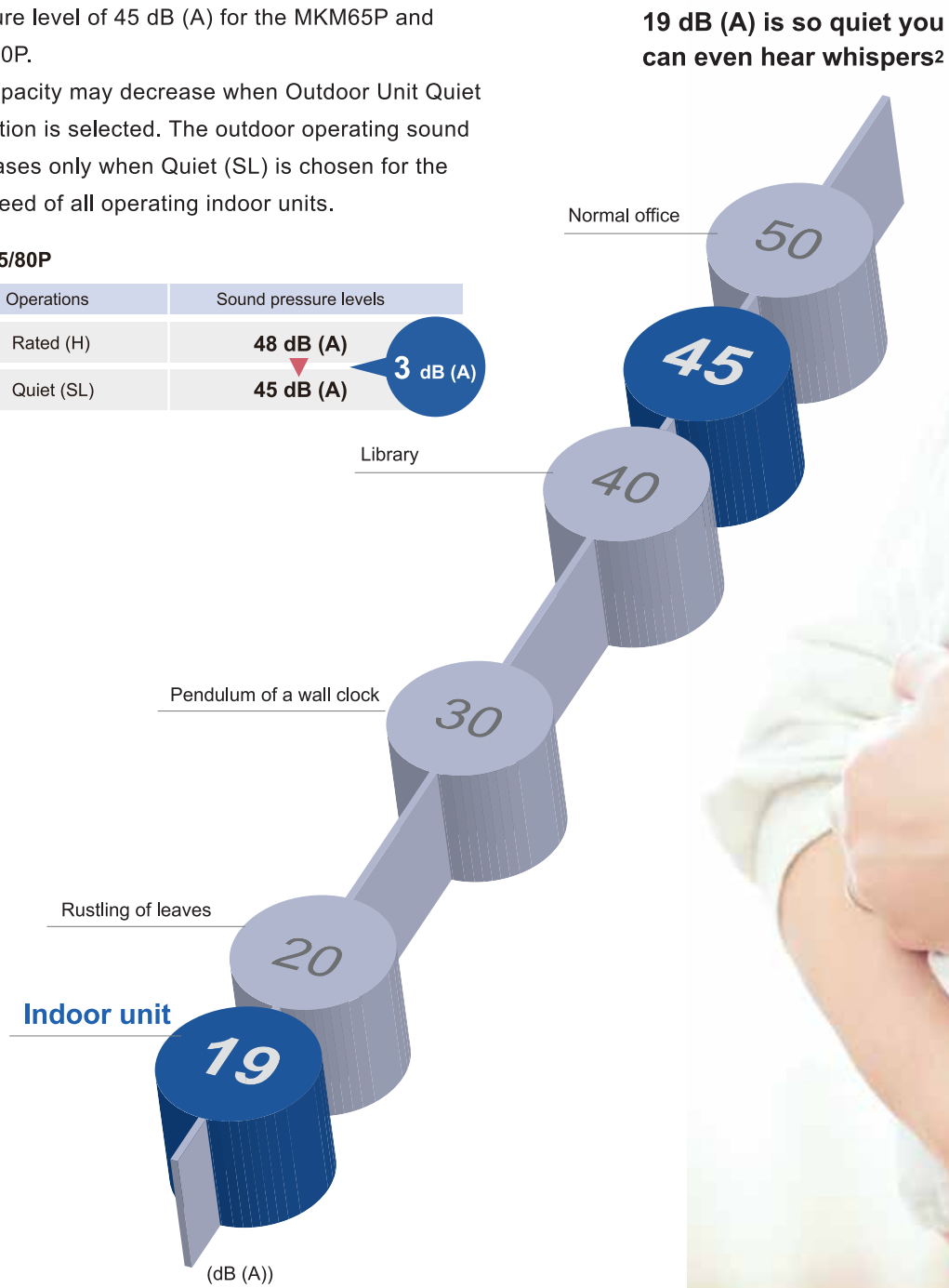
## Outdoor Unit Quiet Operation

This function decreases the outdoor sound pressure level below the rated operation. It provides a sound pressure level of 45 dB (A) for the MKM65P and MKM80P.

Capacity may decrease when Outdoor Unit Quiet Operation is selected. The outdoor operating sound decreases only when Quiet (SL) is chosen for the fan speed of all operating indoor units.

### MKM65/80P

Operations	Sound pressure levels
Rated (H)	48 dB (A)
Quiet (SL)	45 dB (A)



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



# Wall-Mounted Type with Sophisticated Designs and Duct-Connected Type Hidden inside Ceiling

**D**aikin multi-split air conditioners let you combine the latest wall-mounted and duct-connected indoor units to suit your home interior and air conditioning needs. With a wide range of models from 2.5 to 7.1 kW class, it is easy to find the right unit for any installation surface or environment.



## Wall-Mounted Type CTKM-P Series

The CTKM-P series features 2.5 to 5.0 kW class indoor units that are specifically designed for condominiums. With dimensions of just 770 by 283 mm, these slimline models fit comfortably into even tight spaces.

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## Wall-Mounted Type FTKJ-N Series

The sleek design of the FTKJ-N indoor unit. This elegant body houses state-of-the-art performance. The series offers a versatile and architects alike. It has received five and Japan.

Page 23

features a uniquely European style. technology which delivers superior choice for home-owners, designers prestigious design awards in Europe



## 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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# Function List

## Indoor Unit

Models		Wall-Mounted Type								Duct-Connected Type						
		FTKJ25/35/50N			CTKM25/35/ 42/50P				CTKM60P	CTKM71P	CDKP25/35P		CDKM25/35/50/60P			
Capacity class (kW)		2.5	3.5	5.0	2.5	3.5	4.2	5.0	6.0	7.1	2.5	3.5	2.5	3.5	5.0	6.0
Comfortable airflow	Power-Airflow Flap				●	●	●	●								
	Power-Airflow Dual Flaps	●	●	●					●	●						
	Wide-Angle Louvers	●	●	●	●	●	●	●	●	●						
	Vertical Auto-Swing (up and down)	●	●	●	●	●	●	●	●	●						
	Horizontal Auto-Swing (left and right)	●	●	●	●	●	●	●	●	●						
	3D Airflow	●	●	●	●	●	●	●	●	●						
Comfort control	Comfort Airflow Mode	●	●	●	●	●	●	●	●	●						
	Indoor Unit Quiet Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Intelligent Eye				●	●	●	●	●	●						
	Two-Area Intelligent Eye	●	●	●												
	Programme Dry Function	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lifestyle convenience	Auto Fan Speed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Inverter Powerful Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Econo Mode	●	●	●	●	●	●	●	●	●						
	Home Leave Operation										●	●	●	●	●	●
Cleanliness	Indoor Unit On/Off Switch	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Wireless Remote Controller with Backlight	●	●	●	●	●	●	●	●	●						
	Titanium Apatite Photocatalytic Air-Purifying Filter	●	●	●	●	●	●	●	●	●						
Timers	Wipe-Clean Flat Panel	●	●	●	●	●	●	●	●	●						
	24 Hour On/Off Timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Weekly Timer	●	●	●	●	●	●	●	●	●						
Worry free	Night Set Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Auto-Restart after Power Failure	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Self-Diagnosis with Digital Display	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

## Outdoor Unit

Models		MKM65/80P	MKM95/105P
Comfort control	Outdoor Unit Quiet Operation	●	●
	Night Quiet Mode	●	●
Lifestyle convenience	Priority Room Setting	●	●
	Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins	●	●



# Wall-Mounted Type FTKJ-N Series



FTKJ25/35/50NVM4W



FTKJ25/35/50NVM4S



	Colour	2.5 kW class	3.5 kW class	5.0 kW class
Cooling Only	White	FTKJ25NVM4W	FTKJ35NVM4W	FTKJ50NVM4W
	Silver	FTKJ25NVM4S	FTKJ35NVM4S	FTKJ50NVM4S

## Two-Area Intelligent Eye



Two-Area 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 A, airflow is directed toward area B.



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

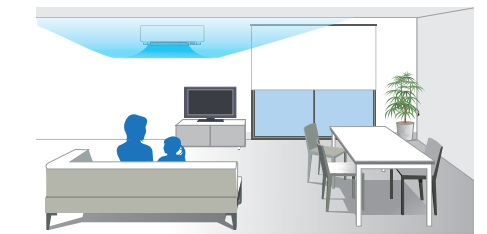


If no one is detected in either area A or B for 20 minutes, Intelligent Eye automatically adjusts the set temperature.

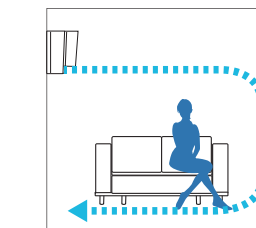
## Comfort Airflow Mode



Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on a person's body. During cooling operation, the flap moves upwards to prevent cold drafts.



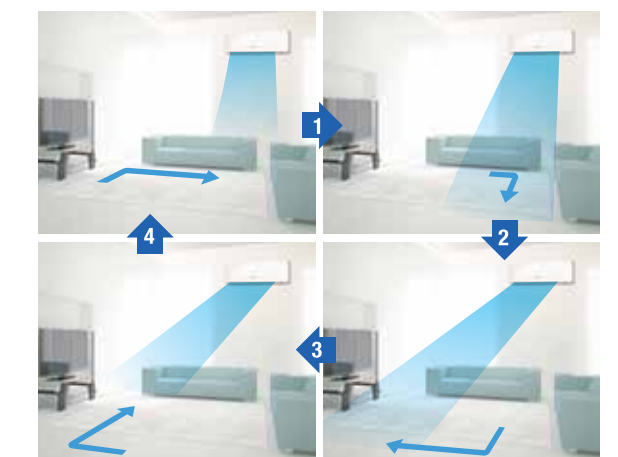
Cooling



## 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 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 CTKM-P Series



	2.5 kW class	3.5 kW class	4.2 kW class	5.0 kW class
Cooling Only	CTKM25PV14	CTKM35PV14	CTKM42PV14	CTKM50PV14
	6.0 kW class	7.1 kW class		
Cooling Only	CTKM60PV14	CTKM71PV14		

## Weekly Timer

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

### Living room Monday to Friday

Programme 1  
On  
22°C  
7:00 a.m.

If you set the Weekly Timer 30 minutes before your wake-up time, you can avoid the hot and humid morning air and enjoy a pleasantly cool room as you get up.

Programme 2  
Off  
8:00 a.m.

The Weekly Timer will automatically stop operation after you leave home on a busy morning. You can forget about the air conditioner.

Programme 3  
On  
21°C  
5:30 p.m.

If you set the Weekly Timer an hour before you arrive home, you can enjoy a wave of cool air as soon as you step through the door.

Programme 4  
Off  
0:00 a.m.

The Weekly Timer will automatically stop operation when you go to bed.

### Bedroom Monday to Friday

Programme 1  
On  
23°C  
11:30 p.m.

Even if you go to bed at 0:00 a.m., the air conditioner will start operation 30 minutes before to help you fall into a comfortable sleep.

Programme 2  
Off  
3:00 a.m.

Even if you go to bed at 0:00 a.m., the air conditioner will operate for another three hours so you continue to sleep comfortably. Stopping operation during the night prevents overcooling and saves you from catching a chill.

Programme 3  
On  
23°C  
6:30 a.m.

If you set the Weekly Timer 30 minutes before your wake-up time, you can avoid the hot and humid morning air and enjoy a pleasantly cool room as you get up.

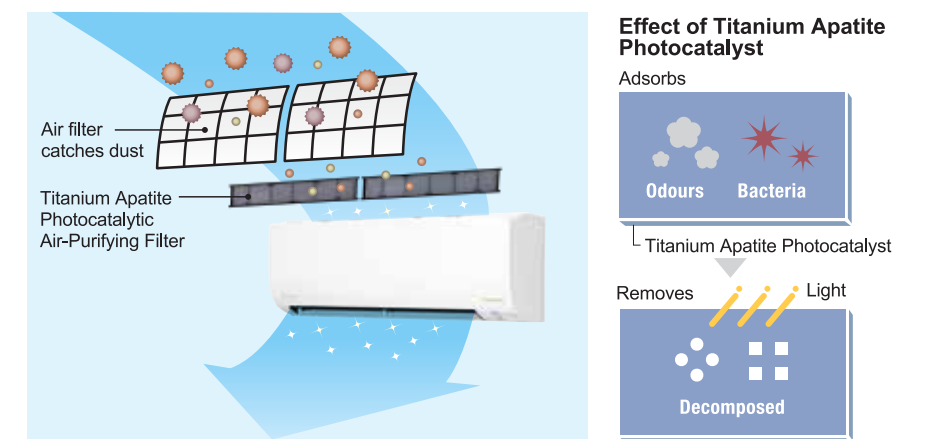
Programme 4  
Off  
8:00 a.m.

The Weekly Timer will automatically stop operation when you leave home.

## Titanium Apatite Photocatalytic Air-Purifying Filter

Photocatalytic air purifying is a deodorising and antibacterial technology. Daikin was the first to apply this advance to the air-purifying filters used in air conditioners<sup>1</sup>.

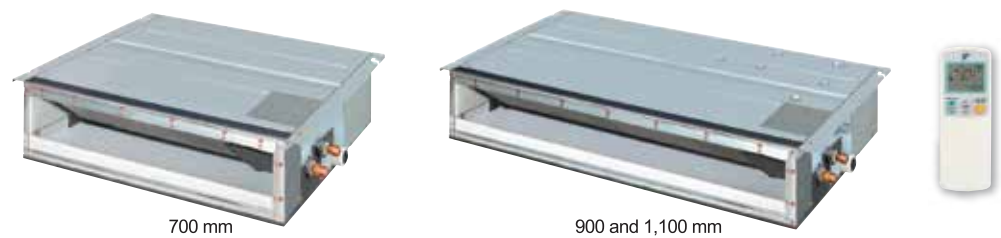
While a filter's micron-level fibres trap dust, titanium apatite effectively adsorbs and decomposes bacteria<sup>2</sup>. The photocatalyst is activated simply by exposure to light.



Notes: 1. This practical application of titanium apatite was a world first. Announced in September 2003 at the 3rd International Workshop on the Utilization and Commercialization of Photocatalytic Systems, Coatings for Clean Surfaces, Water and Air Purification.  
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.



# Duct-Connected Type



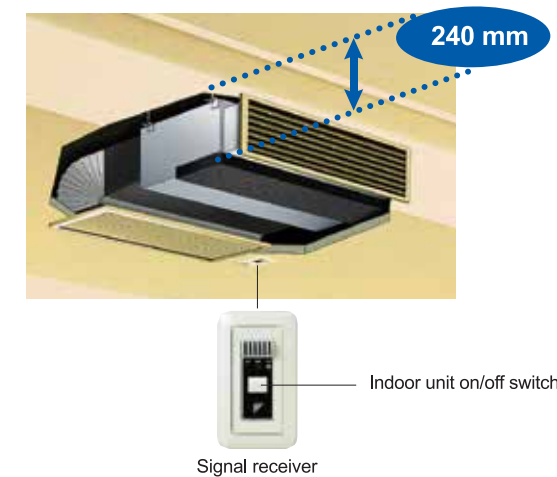
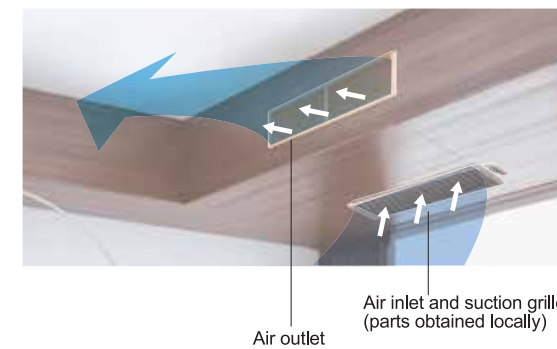
Width		2.5 kW class	3.5 kW class
700 mm	Cooling Only	CDKP25PV14	CDKP35PV14

Width		2.5 kW class	3.5 kW class	5.0 kW class	6.0 kW class
900 and 1,100 mm	Cooling Only	CDKM25PV14	CDKM35PV14	CDKM50PV14	CDKM60PV14

## 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 CDKP series 2.5 and 3.5 kW class indoor units 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.

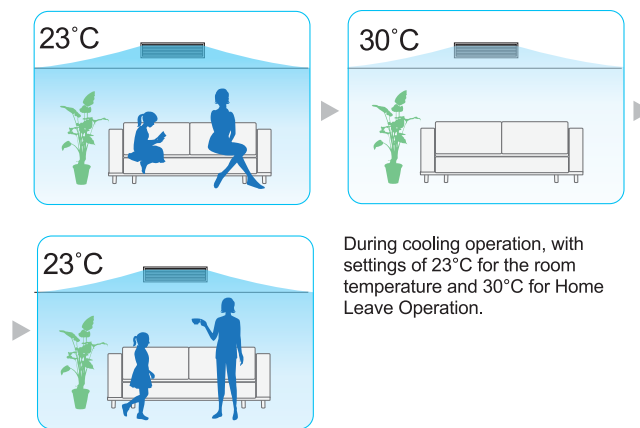


## Indoor Unit On/Off Switch

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

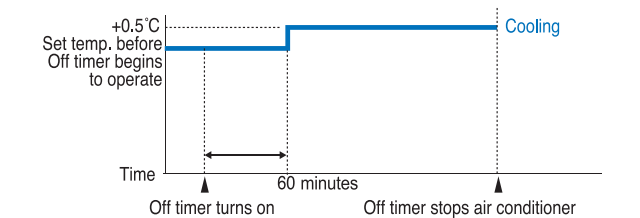
## Home Leave Operation

Home Leave Operation prevents a room from becoming too 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.



## Night Set Mode

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



# Easy to Use Wireless Remote Controllers

Frequently used functions are located on the front of the wireless remote controllers for quick access. For the wall-mounted type, backlit liquid crystal displays also allow easy operation in the dark.

## Wall-Mounted Type FTKJ-N Series

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

Weekly Timer:  
 Deactivates, reactivates or deletes Weekly Timer settings.  
 Starts and completes settings.  
 Copies settings.  
 Moves back.  
 Moves forward.

13 24 Hour On Timer  
 14 Sets clock.  
 Selects timer, mode, setting  
 15 significant number, day, time and temperature.

On and Off switch 1

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

Inverter Powerful Operation 3

Selects operation mode: Cooling, 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

8 Cancels timers.

## Wall-Mounted Type CTKM-P Series

The backlit LCD allows easy operation in the dark.

8 Sets room temperature.

9 Econo Mode and Outdoor Unit Quiet Operation

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

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

Weekly Timer:  
 Deactivates, reactivates or deletes Weekly Timer settings.  
 Starts and completes settings.  
 Copies settings.  
 Moves back.  
 Moves forward.

12 24 Hour On Timer  
 13 Sets clock.  
 Selects timer, mode, setting  
 14 significant number, day, time and temperature.

On and Off switch 1

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

Inverter Powerful Operation 3

Selects operation mode: Cooling, Dry and Fan Only 4

Comfort Airflow Mode and Intelligent Eye 5

24 Hour Off Timer and Night Set Mode 6

7 Cancels timers.

## Duct-Connected Type

7 Sets room temperature.

8 On and Off switch

Selects fan speed. Auto Fan Speed and Indoor Unit Quiet Operation 9

10 Selects time.

11 Cancels timers.

12 Resets settings.

13 Sets clock.

Home Leave Operation 1

Inverter Powerful Operation 2

Selects operation mode: Cooling, Dry and Fan Only. 3

Outdoor Unit Quiet Operation 4

24 Hour On Timer 5

24 Hour Off Timer and Night Set Mode 6



# 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.



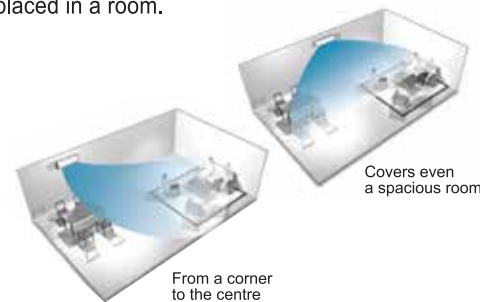
### Power-Airflow Dual Flaps

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



### Wide-Angle Louvers

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



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

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



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

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



### 3D Airflow

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

► See page 24



### Comfort Airflow Mode

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

► See page 24

## 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 page 26



### 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.

## 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 17



### 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 17



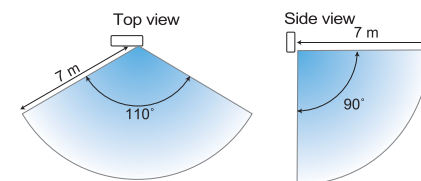
### Night Quiet Mode

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.



### 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.



### 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 24



### 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.

## Lifestyle Convenience



### Inverter Powerful Operation

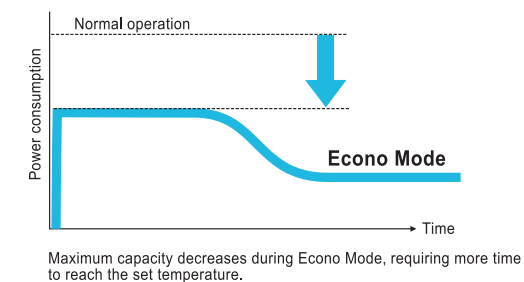
This function boosts cooling performance for a 20 minute period. It is convenient when the air conditioner is first turned on or it is necessary to change the room temperature quickly.

► See page 8



### Econo Mode

This mode limits maximum power consumption. It 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 cold while you are sleeping or out of your home. Select any temperature from 18 to 32°C for cooling operation.

► See page 28



### 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 28



Indoor Unit On/Off Switch



### Priority Room Setting

This function assigns preferential air conditioning to the indoor unit in the priority room. The unit receives priority control over Inverter Powerful Operation. Outdoor Unit Quiet Operation can be set easily from the remote controller in the priority room.

► 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.

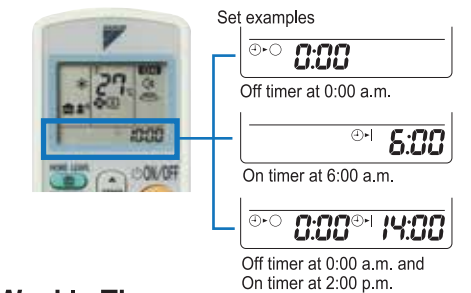


## Timers



### 24 Hour On/Off Timer

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



### Weekly Timer

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

► See page 26



### Night Set Mode

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

► See page 28

## Worry Free



### Auto-Restart after Power Failure

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



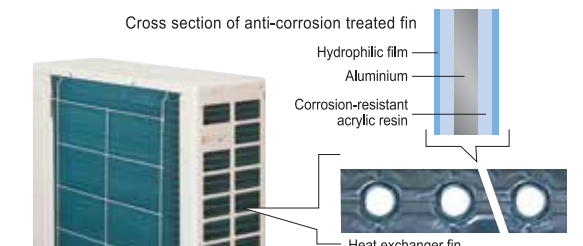
### Self-Diagnosis with Digital Display

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.



# Specifications

Outdoor Unit					
Model name	MKM65PV14	MKM80PV14	MKM95PV14	MKM105PV14	
Power supply	1 phase, 220-240 V, 50 Hz				
Number of ports	4		5		
Max. connected indoor units capacity	12.0	15.6			
Casing colour	Ivory white				
Compressor type	Hermetically sealed swing type				
Refrigerant type	R-32				
Sound pressure level	Rated	48		53	
Dimensions	H x W x D	695 x 930 x 350		990 x 940 x 320	
Machine weight	kg	49		83	
Operation range	°CDB	10 to 46			
Max. piping length	m	60 (total)	70 (total)		80 (total)
Additional charge	g/m	Chargeless			
Max. level difference	m	15 (between indoor and outdoor units) / 7.5 (between indoor units)			

Indoor Unit						
Wall-Mounted Type FTKJ-N Series						
Model name	FTKJ25NVM4W	FTKJ25NVM4S	FTKJ35NVM4W	FTKJ35NVM4S	FTKJ50NVM4W	FTKJ50NVM4S
Power supply	1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz					
Front panel colour	White	Silver	White	Silver	White	Silver
Airflow rate	H	m <sup>3</sup> /min (cfm)	8.9 (313)		10.9 (385)	
Sound pressure level	H/L/SL	dB (A)	38/25/19		45/26/20	
Fan speed	5 steps, quiet and automatic					
Temperature control	Microcomputer control					
Dimensions	H x W x D	mm	303 x 998 x 212			
Machine weight	kg	12				
Piping connection	Liquid	mm	ø6.4			
	Gas	mm	ø9.5		ø12.7	
	Drain	mm	ø18.0			
Heat insulation	Both liquid and gas pipes					

Wall-Mounted Type CTKM-P Series									
Model name	CTKM25PV14	CTKM35PV14	CTKM42PV14	CTKM50PV14	CTKM60PV14	CTKM71PV14			
Power supply	1 phase, 220-240 V, 50 Hz								
Front panel colour	Pure white (N9.5)								
Airflow rate	H	m <sup>3</sup> /min (cfm)	10.1 (357)	10.8 (381)	11.5 (406)	11.8 (417)	15.4 (544)	18.2 (643)	
Sound pressure level	H/L/SL	dB (A)	40/26/19	41/27/23	42/30/27	43/34/31	45/35/32	46/37/33	
Fan speed	5 steps, quiet and automatic								
Temperature control	Microcomputer control								
Dimensions	H x W x D	mm	283 x 770 x 223			290 x 1,050 x 250	340 x 1,050 x 248		
Machine weight	kg	8		9		12	14		
Piping connection	Liquid	mm	ø6.4						
	Gas	mm	ø9.5		ø12.7		ø15.9		
	Drain	mm	ø16.0			ø18.0			
Heat insulation	Both liquid and gas pipes								

Duct-Connected Type							
Model name	Width of 700 mm			Width of 900 and 1,100 mm			
	CDKP25PV14	CDKP35PV14	CDKM25PV14	CDKM35PV14	CDKM50PV14	CDKM60PV14	
Power supply	1 phase, 220-240 V, 50 Hz						
Airflow rate	H	m <sup>3</sup> /min (cfm)	8.7 (307)	9.5 (335)	10.0 (353)	12.0 (424)	16.0 (565)
Sound pressure level*1	H/L/SL	dB (A)	35/31/29			37/33/31	38/34/32
Fan speed	5 steps, quiet and automatic						
Temperature control	Microcomputer control						
Dimensions	H x W x D	mm	200 x 700 x 620		200 x 900 x 620		200 x 1,100 x 620
Machine weight	kg	21		25	27	30	
Piping connection	Liquid	mm	ø6.4				
	Gas	mm	ø9.5			ø12.7	
	Drain	mm	VP20 (Inside diameter ø20, Outside diameter ø26)				
External static pressure	Pa	30			40		

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

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

# Options

Outdoor Unit				
No.	Item	MKM65/80P	MKM95/105P	
1	Air direction adjustment grille	KPW5E112		
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.



Drain plug  
KKP937A4



Drain plug  
KKP945A4

Indoor Unit					
No.	Item	Wall-Mounted Type	Duct-Connected Type		
			CDKP25/35P	CDKM25/35/50P	CDKM60P
1	Titanium apatite photocatalytic air-purifying filter	*1 KAF970A46	-		
2	Remote controller loss prevention with chain	KKF910A4	KKF917A4		
3	Insulation kit for high humidity	-	KDT25N32	KDT25N50	KDT25N63

Note: \*1. The filter is a standard accessory.



Titanium apatite photocatalytic  
air-purifying filter  
KAF970A46



Remote controller loss  
prevention chain  
KKF917A4



# Capacity Tables

## Cooling Only 220 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.)
		A room	B room	C room	D room			
MKM65PV14	25	2.50				2.50 (1.76-3.45)	570 (320-890)	2.7 (1.5-4.2)
	35	3.50				3.50 (1.76-4.24)	970 (320-1,350)	4.6 (1.5-6.4)
	42	4.20				4.20 (1.78-4.76)	1,330 (320-1,700)	6.3 (1.5-8.0)
	50	5.00				5.00 (1.78-5.17)	2,250 (320-2,410)	10.7 (1.5-11.4)
	60	6.00				6.00 (1.92-7.17)	1,510 (320-1,990)	7.1 (1.5-9.4)
	25+25	2.50	2.50			5.00 (1.95-6.52)	1,180 (320-1,780)	5.6 (1.5-8.4)
	25+35	2.50	3.50			6.00 (1.96-6.90)	1,600 (320-1,980)	7.6 (1.5-9.4)
	25+42	2.27	3.82			6.09 (1.97-6.94)	1,630 (320-2,040)	7.7 (1.5-9.7)
	25+50	2.06	4.13			6.19 (1.97-6.97)	1,680 (320-2,060)	8.0 (1.5-9.8)
	25+60	1.86	4.45			6.31 (2.00-7.14)	1,350 (320-1,660)	6.4 (1.5-7.9)
	35+35	3.07	3.07			6.13 (1.96-6.79)	1,740 (320-2,110)	8.2 (1.5-10.0)
	35+42	2.82	3.39			6.21 (1.97-6.92)	1,740 (320-2,110)	8.2 (1.5-10.0)
	35+50	2.60	3.71			6.31 (1.97-6.95)	1,740 (320-2,110)	8.2 (1.5-10.0)
	35+60	2.37	4.07			6.44 (2.00-7.16)	1,420 (320-1,660)	6.7 (1.5-7.9)
	42+42	3.15	3.15			6.30 (1.98-7.05)	1,710 (320-2,110)	8.1 (1.5-10.0)
	42+50	2.92	3.48			6.40 (1.98-7.08)	1,740 (320-2,110)	8.2 (1.5-10.0)
	42+60	2.68	3.82			6.50 (2.07-7.21)	1,420 (320-1,660)	6.7 (1.5-7.9)
	50+50	3.25	3.25			6.50 (1.99-7.11)	1,780 (320-2,110)	8.4 (1.5-10.0)
	50+60	2.95	3.55			6.50 (2.00-7.22)	1,420 (320-1,660)	6.7 (1.5-7.9)
	60+60	3.25	3.25			6.50 (1.96-7.60)	1,320 (310-1,670)	6.3 (1.5-7.9)
	25+25+25	2.06	2.06	2.06		6.19 (1.99-7.87)	1,350 (320-2,020)	6.4 (1.5-9.6)
	25+25+35	1.86	1.86	2.60		6.31 (1.99-7.89)	1,390 (320-2,020)	6.6 (1.5-9.6)
	25+25+42	1.74	1.74	2.92		6.40 (2.00-7.96)	1,420 (320-2,020)	6.7 (1.5-9.6)
	25+25+50	1.63	1.63	3.25		6.50 (2.00-7.98)	1,450 (320-2,020)	6.9 (1.5-9.6)
	25+25+60	1.48	1.48	3.55		6.50 (1.99-8.44)	1,320 (310-2,000)	6.3 (1.5-9.5)
	25+35+35	1.69	2.37	2.37		6.44 (1.99-7.91)	1,450 (320-2,020)	6.9 (1.5-9.6)
	25+35+42	1.59	2.23	2.68		6.50 (2.00-7.98)	1,450 (320-2,020)	6.9 (1.5-9.6)
	25+35+50	1.48	2.07	2.95		6.50 (2.00-7.99)	1,450 (320-2,020)	6.9 (1.5-9.6)
	25+35+60	1.35	1.90	3.25		6.50 (1.99-8.44)	1,320 (310-2,000)	6.3 (1.5-9.5)
	25+42+42	1.49	2.50	2.50		6.50 (2.00-8.05)	1,420 (320-2,020)	6.7 (1.5-9.6)
	25+42+50	1.39	2.33	2.78		6.50 (2.00-8.06)	1,420 (320-2,020)	6.7 (1.5-9.6)
	35+35+35	2.17	2.17	2.17		6.50 (1.96-7.92)	1,450 (320-2,020)	6.9 (1.5-9.6)
	35+35+42	2.03	2.03	2.44		6.50 (1.96-7.99)	1,450 (320-2,020)	6.9 (1.5-9.6)
	35+35+50	1.90	1.90	2.71		6.50 (1.96-8.01)	1,450 (320-2,020)	6.9 (1.5-9.6)
	35+42+42	1.91	2.29	2.29		6.50 (1.96-8.06)	1,420 (320-2,020)	6.7 (1.5-9.6)
25+25+25+25	1.63	1.63	1.63	1.63	6.50 (1.95-8.50)	1,320 (310-2,040)	6.3 (1.5-9.7)	
25+25+25+35	1.48	1.48	1.48	2.07	6.50 (1.95-8.50)	1,320 (310-2,040)	6.3 (1.5-9.7)	
25+25+25+42	1.39	1.39	1.39	2.33	6.50 (1.94-8.52)	1,320 (310-2,040)	6.3 (1.5-9.7)	
25+25+35+35	1.35	1.35	1.90	1.90	6.50 (1.95-8.51)	1,320 (310-2,040)	6.3 (1.5-9.7)	
MKM80PV14	25	2.50				2.50 (1.76-3.45)	530 (320-890)	2.5 (1.5-4.2)
	35	3.50				3.50 (1.76-4.24)	900 (320-1,350)	4.3 (1.5-6.4)
	42	4.20				4.20 (1.78-4.76)	1,210 (320-1,700)	5.7 (1.5-8.0)
	50	5.00				5.00 (1.78-5.17)	1,910 (320-2,410)	9.0 (1.5-11.4)
	60	6.00				6.00 (1.92-7.30)	1,410 (320-2,060)	6.7 (1.5-9.8)
	71	7.10				7.10 (1.95-7.78)	1,730 (320-2,060)	8.2 (1.5-9.8)
	25+25	2.50	2.50			5.00 (1.95-6.53)	1,100 (320-1,780)	5.2 (1.5-8.4)
	25+35	2.50	3.50			6.00 (1.96-6.92)	1,510 (320-1,980)	7.1 (1.5-9.4)
	25+42	2.50	4.20			6.70 (1.97-7.40)	1,760 (320-2,200)	8.3 (1.5-10.4)
	25+50	2.35	4.69			7.04 (1.97-7.66)	1,930 (320-2,340)	9.1 (1.5-11.1)
	25+60	2.09	5.02			7.11 (2.00-8.47)	1,480 (320-2,010)	7.0 (1.5-9.5)
	25+71	1.87	5.31			7.18 (2.01-8.71)	1,450 (320-2,020)	6.9 (1.5-9.6)
	35+35	3.50	3.50			7.00 (1.96-7.49)	1,960 (320-2,340)	9.3 (1.5-11.1)
	35+42	3.20	3.85			7.05 (1.97-7.66)	1,970 (320-2,340)	9.3 (1.5-11.1)
	35+50	2.93	4.18			7.11 (1.97-7.69)	1,970 (320-2,350)	9.3 (1.5-11.1)
	35+60	2.65	4.53			7.18 (2.00-8.49)	1,510 (320-2,010)	7.1 (1.5-9.5)
	35+71	2.39	4.86			7.25 (2.01-8.72)	1,480 (320-2,020)	7.0 (1.5-9.6)
	42+42	3.55	3.55			7.10 (1.98-7.98)	1,900 (320-2,460)	9.0 (1.5-11.6)
	42+50	3.27	3.89			7.16 (1.98-8.02)	1,930 (320-2,460)	9.1 (1.5-11.6)
	42+60	2.98	4.25			7.23 (2.00-8.56)	1,510 (320-2,010)	7.1 (1.5-9.5)
	42+71	2.71	4.59			7.30 (2.01-8.77)	1,480 (310-2,020)	7.0 (1.5-9.6)
	50+50	3.61	3.61			7.21 (1.99-8.06)	1,930 (320-2,460)	9.1 (1.5-11.6)
	50+60	3.31	3.97			7.28 (2.00-8.57)	1,510 (320-2,010)	7.1 (1.5-9.5)
	50+71	3.04	4.32			7.36 (2.01-8.79)	1,480 (310-2,020)	7.0 (1.5-9.6)
	60+60	3.68	3.68			7.35 (1.96-8.84)	1,420 (310-1,960)	6.7 (1.5-9.3)
	60+71	3.40	4.03			7.43 (1.94-9.13)	1,450 (310-1,970)	6.9 (1.5-9.3)
	71+71	3.76	3.76			7.51 (1.91-9.14)	1,480 (310-1,970)	7.0 (1.5-9.3)

## Cooling Only 220 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.)
		A room	B room	C room	D room			
MKM80PV14	25+25+25	2.35	2.35	2.35		7.04 (1.99-9.11)	1,510 (320-2,380)	7.1 (1.5-11.3)
	25+25+35	2.09	2.09	2.93		7.11 (1.99-9.13)	1,540 (320-2,380)	7.3 (1.5-11.3)
	25+25+42	1.95	1.95	3.27		7.16 (2.00-9.22)	1,540 (320-2,390)	7.3 (1.5-11.3)
	25+25+50	1.80	1.80	3.61		7.21 (2.00-9.24)	1,540 (320-2,390)	7.3 (1.5-11.3)
	25+25+60	1.65	1.65	3.97		7.28 (1.99-9.69)	1,420 (310-2,270)	6.7 (1.5-10.7)
	25+25+71	1.52	1.52	4.32		7.36 (1.97-9.80)	1,420 (310-2,280)	6.7 (1.5-10.8)
	25+35+35	1.89	2.65	2.65		7.18 (1.99-9.15)	1,540 (320-2,380)	7.3 (1.5-11.3)
	25+35+42	1.77	2.48	2.98		7.23 (2.00-9.24)	1,540 (320-2,390)	7.3 (1.5-11.3)
	25+35+50	1.65	2.32	3.31		7.28 (2.00-9.26)	1,540 (320-2,390)	7.3 (1.5-11.3)
	25+35+60	1.53	2.14	3.68		7.35 (1.99-9.70)	1,450 (310-2,270)	6.9 (1.5-10.7)
	25+35+71	1.42	1.99	4.03		7.43 (1.97-9.80)	1,450 (310-2,280)	6.9 (1.5-10.8)
	25+42+42	1.67	2.81	2.81		7.28 (2.00-9.33)	1,540 (320-2,390)	7.3 (1.5-11.3)
	25+42+50	1.57	2.63	3.13		7.33 (2.00-9.35)	1,540 (320-2,390)	7.3 (1.5-11.3)
	25+42+60	1.46	2.45	3.50		7.40 (1.99-9.70)	1,450 (310-2,270)	6.9 (1.5-10.7)
	25+42+71	1.36	2.28	3.85		7.48 (1.97-9.79)	1,480 (310-2,280)	7.0 (1.5-10.8)
	25+50+50	1.48	2.96	2.96		7.39 (2.00-9.37)	1,580 (320-2,390)	7.5 (1.5-11.3)
	25+50+60	1.38	2.76	3.32		7.46 (1.99-9.71)	1,450 (310-2,270)	6.9 (1.5-10.7)
	25+50+71	1.29	2.58	3.67		7.54 (1.96-9.79)	1,480 (310-2,280)	7.0 (1.5-10.8)
	25+60+60	1.30	3.12	3.12		7.53 (1.87-9.67)	1,480 (310-2,350)	7.0 (1.5-11.1)
	25+60+71	1.22	2.92	3.46		7.60 (1.82-9.81)	1,550 (310-2,450)	7.3 (1.5-11.6)
	35+35+35	2.42	2.42	2.42		7.25 (1.96-9.17)	1,570 (320-2,380)	7.4 (1.5-11.3)
	35+35+42	2.28	2.28	2.74		7.30 (1.96-9.26)	1,570 (320-2,390)	7.4 (1.5-11.3)
	35+35+50	2.14	2.14	3.06		7.35 (1.96-9.28)	1,570 (320-2,390)	7.4 (1.5-11.3)
	35+35+60	2.00	2.00	3.42		7.42 (1.99-9.70)	1,450 (310-2,270)	6.9 (1.5-10.7)
	35+35+71	1.86	1.86	3.78		7.50 (1.97-9.80)	1,480 (310-2,280)	7.0 (1.5-10.8)
	35+42+42	2.16	2.59	2.59		7.35 (1.96-9.35)	1,580 (320-2,390)	7.5 (1.5-11.3)
	35+42+50	2.04	2.45	2.91		7.40 (1.96-9.37)	1,580 (320-2,390)	7.5 (1.5-11.3)
	35+42+60	1.91	2.29	3.27		7.47 (1.99-9.71)	1,480 (310-2,270)	7.0 (1.5-10.7)
	35+42+71	1.79	2.14	3.62		7.55 (1.96-9.79)	1,480 (310-2,280)	7.0 (1.5-10.8)
	35+50+50	1.93	2.76	2.76		7.46 (1.96-9.38)	1,580 (320-2,390)	7.5 (1.5-11.3)
	35+50+60	1.82	2.60	3.12		7.53 (1.99-9.71)	1,480 (310-2,270)	7.0 (1.5-10.7)
	35+50+71	1.71	2.44	3.46		7.60 (1.96-9.78)	1,520 (310-2,280)	7.2 (1.5-10.8)
	35+60+60	1.72	2.94	2.94		7.60 (1.87-9.80)	1,590 (310-2,440)	7.5 (1.5-11.6)
	42+42+42	2.47	2.47	2.47		7.40 (1.97-9.43)	1,580 (320-2,390)	7.5 (1.5-11.3)
	42+42+50	2.34	2.34	2.78		7.45 (1.97-9.44)	1,580 (320-2,390)	7.5 (1.5-11.3)
	42+42+60	2.19	2.19	3.13		7.52 (1.98-9.71)	1,480 (310-2,270)	7.0 (1.5-10.7)
	42+42+71	2.06	2.06	3.48		7.60 (1.96-9.77)	1,520 (310-2,280)	7.2 (1.5-10.8)
	42+50+50	2.22	2.64	2.64		7.51 (1.97-9.46)	1,580 (320-2,390)	7.5 (1.5-11.3)
	42+50+60	2.09	2.49	2.99		7.58 (1.98-9.71)	1,510 (310-2,270)	7.1 (1.5-10.7)
	50+50+50	2.52	2.52	2.52		7.56 (1.97-9.48)	1,610 (320-2,400)	7.6 (1.5-11.4)
	25+25+25+25	1.80	1.80	1.80	1.80	7.21 (1.96-9.78)	1,420 (310-2,550)	6.7 (1.5-12.1)
	25+25+25+35	1.65	1.65	1.65	2.32	7.28 (1.96-9.78)	1,420 (310-2,550)	6.7 (1.5-12.1)
	25+25+25+42	1.57	1.57	1.57	2.63	7.33 (1.96-9.80)	1,450 (310-2,550)	6.9 (1.5-12.1)
	25+25+25+50	1.48	1.48	1.48	2.96	7.39 (1.96-9.80)	1,450 (310-2,550)	6.9 (1.5-12.1)
	25+25+25+60	1.38	1.38	1.38	3.32	7.46 (1.95-9.77)	1,520 (310-2,600)	7.2 (1.5-12.3)
	25+25+25+71	1.29	1.29	1.29	3.67	7.54 (1.91-9.77)	1,590 (310-2,620)	7.5 (1.5-12.4)
	25+25+35+35	1.53	1.53	2.14	2.14	7.35 (1.96-9.79)	1,450 (310-2,550)	6.9 (1.5-12.1)
	25+25+35+42	1.46	1.46	2.04	2.45	7.40 (1.96-9.80)	1,450 (310-2,550)	6.9 (1.5-12.1)
	25+25+35+50	1.38	1.38	1.93	2.76	7.46 (1.96-9.81)	1,480 (310-2,550)	7.0 (1.5-12.1)
	25+25+35+60	1.30	1.30	1.82	3.12	7.53 (1.95-9.75)	1,520 (310-2,600)	7.2 (1.5-12.3)
25+25+35+71								



# Capacity Tables

## Cooling Only 220 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.)
		A room	B room	C room	D room			
MKM95PV14	25	2.50				2.50 (1.86-3.47)	620 (460-920)	2.9 (2.2-4.4)
	35	3.50				3.50 (1.87-4.24)	1,000 (460-1,270)	4.7 (2.2-6.0)
	42	4.20				4.20 (1.91-4.73)	1,270 (450-1,470)	6.0 (2.1-7.0)
	50	5.00				5.00 (1.92-5.58)	1,760 (450-2,110)	8.3 (2.1-10.0)
	60	6.00				6.00 (2.75-7.19)	1,470 (570-2,010)	7.0 (2.7-9.5)
	71	7.10				7.10 (2.85-7.64)	1,820 (570-2,030)	8.6 (2.7-9.6)
	25+25	2.50	2.50			5.00 (2.68-6.34)	1,170 (560-1,700)	5.5 (2.7-8.0)
	25+35	2.50	3.50			6.00 (2.69-7.23)	1,570 (560-2,150)	7.4 (2.7-10.2)
	25+42	2.50	4.20			6.70 (2.72-7.91)	1,870 (560-2,470)	8.9 (2.7-11.7)
	25+50	2.40	4.80			7.20 (2.73-8.03)	2,070 (560-2,530)	9.8 (2.7-12.0)
	25+60	2.19	5.26			7.45 (2.90-9.63)	1,700 (570-2,580)	8.0 (2.7-12.2)
	25+71	2.01	5.72			7.73 (2.90-9.95)	1,700 (570-2,590)	8.0 (2.7-12.3)
	35+35	3.50	3.50			7.00 (2.70-7.70)	2,070 (560-2,410)	9.8 (2.7-11.4)
	35+42	3.30	3.95			7.25 (2.73-7.94)	2,120 (560-2,480)	10.0 (2.7-11.7)
	35+50	3.07	4.38			7.45 (2.73-8.06)	2,230 (560-2,530)	10.6 (2.7-12.0)
	35+60	2.84	4.86			7.70 (2.90-9.65)	1,800 (570-2,580)	8.5 (2.7-12.2)
	35+71	2.63	5.35			7.98 (2.90-9.97)	1,800 (570-2,590)	8.5 (2.7-12.3)
	42+42	3.72	3.72			7.43 (2.76-8.19)	2,130 (560-2,540)	10.1 (2.7-12.0)
	42+50	3.48	4.15			7.63 (2.76-8.22)	2,240 (560-2,550)	10.6 (2.7-12.1)
	42+60	3.24	4.64			7.88 (2.90-9.86)	1,800 (560-2,650)	8.5 (2.7-12.5)
	42+71	3.03	5.12			8.15 (2.90-10.17)	1,850 (570-2,660)	8.8 (2.7-12.6)
	50+50	3.92	3.92			7.83 (2.77-8.26)	2,350 (560-2,550)	11.1 (2.7-12.1)
	50+60	3.67	4.41			8.08 (2.90-10.25)	1,910 (570-2,840)	9.0 (2.7-13.4)
	50+71	3.45	4.90			8.35 (2.90-10.57)	1,910 (570-2,850)	9.0 (2.7-13.5)
	60+60	4.17	4.17			8.33 (2.90-11.03)	1,780 (570-2,840)	8.4 (2.7-13.4)
	60+71	3.94	4.66			8.60 (2.90-11.19)	1,820 (570-2,880)	8.6 (2.7-13.6)
	71+71	4.44	4.44			8.88 (2.90-11.28)	1,910 (570-2,910)	9.0 (2.7-13.8)
	25+25+25	2.40	2.40	2.40		7.20 (2.90-9.71)	1,640 (570-2,630)	7.8 (2.7-12.5)
	25+25+35	2.19	2.19	3.07		7.45 (2.90-9.73)	1,750 (570-2,630)	8.3 (2.7-12.5)
	25+25+42	2.07	2.07	3.48		7.63 (2.90-9.84)	1,800 (570-2,640)	8.5 (2.7-12.5)
	25+25+50	1.96	1.96	3.92		7.83 (2.90-9.86)	1,850 (570-2,640)	8.8 (2.7-12.5)
	25+25+60	1.84	1.84	4.41		8.08 (2.90-11.17)	1,710 (560-2,910)	8.1 (2.7-13.8)
	25+25+71	1.73	1.73	4.90		8.35 (2.90-11.26)	1,830 (560-2,920)	8.7 (2.7-13.8)
	25+35+35	2.03	2.84	2.84		7.70 (2.90-9.76)	1,850 (570-2,630)	8.8 (2.7-12.5)
	25+35+42	1.93	2.70	3.24		7.88 (2.90-9.86)	1,850 (570-2,640)	8.8 (2.7-12.5)
	25+35+50	1.84	2.57	3.67		8.08 (2.90-10.94)	1,960 (570-3,220)	9.3 (2.7-15.2)
	25+35+60	1.74	2.43	4.17		8.33 (2.90-11.31)	1,820 (560-2,970)	8.6 (2.7-14.1)
	25+35+71	1.64	2.30	4.66		8.60 (2.90-11.40)	1,880 (560-2,990)	8.9 (2.7-14.2)
	25+42+42	1.85	3.10	3.10		8.05 (2.90-11.14)	1,910 (560-3,300)	9.0 (2.7-15.6)
	25+42+50	1.76	2.96	3.53		8.25 (2.90-11.17)	1,960 (560-3,300)	9.3 (2.7-15.6)
	25+42+60	1.67	2.81	4.02		8.50 (2.90-11.34)	1,870 (560-2,970)	8.9 (2.7-14.1)
	25+42+71	1.59	2.67	4.52		8.78 (2.90-11.41)	1,930 (560-2,980)	9.1 (2.7-14.1)
	25+50+50	1.69	3.38	3.38		8.45 (2.90-11.19)	2,080 (560-3,300)	9.8 (2.7-15.6)
	25+50+60	1.61	3.22	3.87		8.70 (2.90-11.35)	1,890 (560-2,910)	8.9 (2.7-13.8)
	25+50+71	1.54	3.08	4.37		8.98 (2.90-11.41)	2,010 (560-2,920)	9.5 (2.7-13.8)
	25+60+60	1.54	3.70	3.70		8.95 (2.90-11.47)	1,970 (560-2,950)	9.3 (2.7-14.0)
	25+60+71	1.47	3.54	4.19		9.20 (2.90-11.48)	1,990 (570-2,960)	9.4 (2.7-14.0)
	35+35+35	2.65	2.65	2.65		7.95 (2.90-9.78)	1,910 (570-2,630)	9.0 (2.7-12.5)
	35+35+42	2.54	2.54	3.05		8.13 (2.90-11.27)	1,960 (570-3,430)	9.3 (2.7-16.2)
	35+35+50	2.43	2.43	3.47		8.33 (2.90-11.30)	2,020 (570-3,430)	9.6 (2.7-16.2)
35+35+60	2.31	2.31	3.96		8.58 (2.90-11.32)	1,930 (560-2,970)	9.1 (2.7-14.1)	
35+35+71	2.20	2.20	4.46		8.85 (2.90-11.40)	2,000 (560-2,990)	9.5 (2.7-14.2)	
35+42+42	2.44	2.93	2.93		8.30 (2.90-11.39)	2,020 (560-3,440)	9.6 (2.7-16.3)	
35+42+50	2.34	2.81	3.35		8.50 (2.90-11.42)	2,080 (560-3,440)	9.8 (2.7-16.3)	
35+42+60	2.24	2.68	3.83		8.75 (2.90-11.35)	1,990 (560-2,970)	9.4 (2.7-14.1)	
35+42+71	2.14	2.56	4.33		9.03 (2.90-11.41)	2,050 (560-2,980)	9.7 (2.7-14.1)	
35+50+50	2.26	3.22	3.22		8.70 (2.90-11.44)	2,190 (560-3,440)	10.4 (2.7-16.3)	
35+50+60	2.16	3.09	3.70		8.95 (2.90-11.35)	2,040 (560-2,970)	9.7 (2.7-14.1)	
35+50+71	2.06	2.95	4.19		9.20 (2.90-11.41)	2,110 (560-2,980)	10.0 (2.7-14.1)	
35+60+60	2.08	3.56	3.56		9.20 (2.90-11.46)	2,020 (560-2,940)	9.6 (2.7-13.9)	
42+42+42	2.83	2.83	2.83		8.48 (2.90-11.30)	2,080 (560-3,450)	9.8 (2.7-16.3)	
42+42+50	2.72	2.72	3.24		8.68 (2.90-11.53)	2,130 (560-3,450)	10.1 (2.7-16.3)	
42+42+60	2.60	2.60	3.72		8.93 (2.90-11.37)	2,040 (560-2,970)	9.7 (2.7-14.1)	
42+42+71	2.49	2.49	4.21		9.20 (2.90-11.41)	2,100 (560-2,970)	9.9 (2.7-14.1)	
42+50+50	2.63	3.13	3.13		8.88 (2.90-11.55)	2,190 (560-3,450)	10.4 (2.7-16.3)	
42+50+60	2.52	3.00	3.60		9.13 (2.90-11.38)	2,100 (560-2,960)	9.9 (2.7-14.0)	
50+50+50	3.03	3.03	3.03		9.08 (2.90-11.37)	2,310 (560-3,450)	10.9 (2.7-16.3)	

## Cooling Only 220 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.)	
		A room	B room	C room	D room				
MKM95PV14	25+25+25+25	1.96	1.96	1.96	1.96	7.83 (2.90-9.94)	1,600 (570-2,660)	7.6 (2.7-12.6)	
	25+25+25+35	1.84	1.84	1.84	2.57	8.08 (2.90-11.39)	1,700 (570-3,480)	8.0 (2.7-16.5)	
	25+25+25+42	1.76	1.76	1.76	2.96	8.25 (2.90-11.43)	1,750 (570-3,480)	8.3 (2.7-16.5)	
	25+25+25+50	1.69	1.69	1.69	3.38	8.45 (2.90-11.44)	1,800 (570-3,480)	8.5 (2.7-16.5)	
	25+25+25+60	1.61	1.61	1.61	3.87	8.70 (2.90-11.48)	1,800 (570-3,450)	8.5 (2.7-16.3)	
	25+25+25+71	1.54	1.54	1.54	4.37	8.98 (2.90-11.48)	1,900 (570-3,500)	9.0 (2.7-16.6)	
	25+25+35+35	1.74	1.74	2.43	2.43	8.33 (2.90-11.40)	1,750 (570-3,480)	8.3 (2.7-16.5)	
	25+25+35+42	1.67	1.67	2.34	2.81	8.50 (2.90-11.44)	1,800 (570-3,480)	8.5 (2.7-16.5)	
	25+25+35+50	1.61	1.61	2.26	3.22	8.70 (2.90-11.45)	1,860 (570-3,480)	8.8 (2.7-16.5)	
	25+25+35+60	1.54	1.54	2.16	3.70	8.95 (2.90-11.47)	1,910 (570-3,450)	9.0 (2.7-16.3)	
	25+25+35+71	1.47	1.47	2.06	4.19	9.20 (2.90-11.51)	1,950 (570-3,490)	9.2 (2.7-16.5)	
	25+25+42+42	1.62	1.62	2.72	2.72	8.68 (2.90-11.47)	1,860 (570-3,480)	8.8 (2.7-16.5)	
	25+25+42+50	1.56	1.56	2.63	3.13	8.88 (2.90-11.48)	1,910 (570-3,480)	9.0 (2.7-16.5)	
	25+25+42+60	1.50	1.50	2.52	3.60	9.13 (2.90-11.49)	1,950 (570-3,500)	9.2 (2.7-16.6)	
	25+25+42+71	1.51	1.51	3.03	3.03	9.08 (2.90-11.49)	2,020 (570-3,480)	9.6 (2.7-16.5)	
	25+35+35+35	1.65	2.31	2.31	2.31	8.58 (2.90-11.41)	1,860 (570-3,480)	8.8 (2.7-16.5)	
	25+35+35+42	1.60	2.24	2.24	2.68	8.75 (2.90-11.45)	1,910 (570-3,480)	9.0 (2.7-16.5)	
	25+35+35+50	1.54	2.16	2.16	3.09	8.95 (2.90-11.46)	1,970 (570-3,480)	9.3 (2.7-16.5)	
	25+35+35+60	1.48	2.08	2.08	3.56	9.20 (2.90-11.50)	2,130 (570-3,510)	10.1 (2.7-16.6)	
	25+35+42+42	1.55	2.17	2.60	2.60	8.93 (2.90-11.48)	1,970 (570-3,510)	9.3 (2.7-16.6)	
	25+35+42+50	1.50	2.10	2.52	3.00	9.13 (2.90-11.49)	2,020 (570-3,510)	9.6 (2.7-16.6)	
	25+42+42+42	1.51	2.53	2.53	2.53	9.10 (2.90-11.51)	2,020 (570-3,510)	9.6 (2.7-16.6)	
	35+35+35+35	2.21	2.21	2.21	2.21	8.83 (2.90-11.42)	1,920 (570-3,520)	9.1 (2.7-16.7)	
	35+35+35+42	2.14	2.14	2.14	2.57	9.00 (2.90-11.46)	1,970 (570-3,510)	9.3 (2.7-16.6)	
	35+35+35+50	2.08	2.08	2.08	2.97	9.20 (2.90-11.46)	2,080 (570-3,510)	9.8 (2.7-16.6)	
	35+35+42+42	2.09	2.09	2.50	2.50	9.18 (2.90-11.49)	2,020 (570-3,510)	9.6 (2.7-16.6)	
	MKM105PV14	25	2.50				2.50 (1.86-3.47)	620 (460-920)	2.9 (2.2-4.4)
		35	3.50				3.50 (1.87-4.24)	990 (460-1,260)	4.7 (2.2-6.0)
		42	4.20				4.20 (1.91-4.73)	1,260 (460-1,460)	6.0 (2.2-6.9)
		50	5.00				5.00 (1.92-5.58)	1,750 (450-2,080)	8.3 (2.1-9.8)
60		6.00				6.00 (2.75-7.19)	1,460 (570-1,980)	6.9 (2.7-9.4)	
71		7.10				7.10 (2.85-7.64)	1,800 (570-2,000)	8.5 (2.7-9.5)	
25+25		2.50	2.50			5.00 (2.68-6.34)	1,170 (560-1,680)	5.5 (2.7-8.0)	
25+35		2.50	3.50			6.00 (2.69-7.23)	1,560 (560-2,120)	7.4 (2.7-10.0)	
25+42		2.50	4.20			6.70 (2.72-7.91)	1,850 (560-2,440)	8.8 (2.7-11.6)	
25+50		2.42	4.84			7.26 (2.73-8.03)	2,100 (560-2,490)	9.9 (2.7-11.8)	
25+60		2.26	5.41			7.67 (2.90-9.63)	1,790 (570-2,540)	8.5 (2.7-12.0)	
25+71		2.11	6.00			8.11 (2.90-9.95)	1,840 (570-2,550)	8.7 (2.7-12.1)	
35+35		3.50	3.50			7.00 (2.70-7.70)	2,040 (560-2,370)	9.7 (2.7-11.2)	
35+42		3.34	4.01			7.35 (2.73-7.94)	2,150 (560-2,440)	10.2 (2.7-11.6)	
35+50		3.16	4.51			7.67 (2.73-8.06)	2,310 (560-2,490)	10.9 (2.7-11.8)	
35+60		2.97	5.10			8.07 (2.90-9.65)	1,890 (570-2,540)	8.9 (2.7-12.0)	
35+71		2.81	5.71			8.52 (2.90-9.97)	2,000 (570-2,550)	9.5 (2.7-12.1)	
42+42		3.82	3.82			7.63 (2.76-8.19)	2,210 (570-2,500)	10.5 (2.7-11.8)	
42+50		3.63	4.32			7.95 (2.76-8.22)	2,370 (570-2,510)	11.2 (2.7-11.9)	
42+60		3.44	4.92			8.36 (2.90-9.86)	2,000 (570-2,610)	9.5 (2.7-12.4)	
42+71		3.27	5.53			8.80 (2.90-10.17)	2,050 (570-2,620)	9.7 (2.7-12.4)	
50+50		4.14	4.14			8.2			



