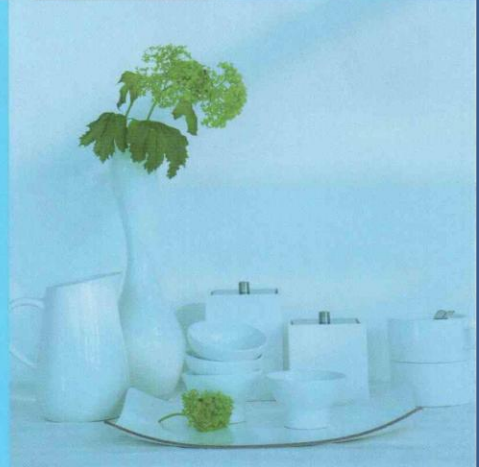




Split and Multi-Split Type Air Conditioners

Cooling Only [50 Hz]



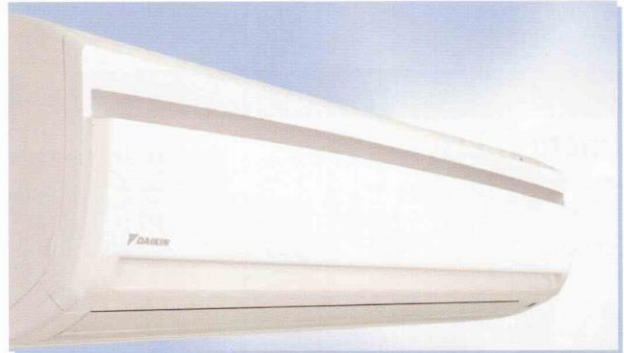
<p>GOOD</p> <p>Cooling Capacity: 2.5 kW SEER: 12.5</p> <p>R25D</p>	<p>GOOD</p> <p>Cooling Capacity: 3.5 kW SEER: 12.5</p> <p>R35D</p>	<p>VERY GOOD</p> <p>Cooling Capacity: 5.0 kW SEER: 13.5</p> <p>R50B</p>	<p>FAIR</p> <p>Cooling Capacity: 6.0 kW SEER: 12.5</p> <p>R60B</p>	<p>VERY GOOD</p> <p>Cooling Capacity: 6.0 kW SEER: 13.5</p> <p>2M56G</p>
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Lemoncool 8222024

Energy Savings and Clean Air with

Easy to Coordinate

Daikin has always focused on creating sleek, modern air conditioners that coordinate smoothly with any type of interior decor. This concept has taken a major step forward with the versatile grilleless flat panel design.



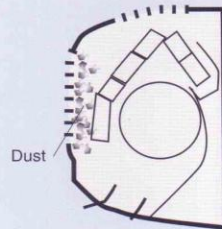
Wipe-Clean Flat Panel



Flat panel models can be cleaned instantly with a single wipe of a cloth across their smooth surface. If more thorough cleaning is required, the panel can also be easily removed from the unit.



Conventional Front Grille Design



1. Difficult to remove dust on the grille through wiping alone

2. Reduced capacity due to increased suction resistance

Front grille design units collect dust on their air inlet grilles unless these grilles are cleaned regularly.

3. High sound levels due to increased suction resistance

High Energy Savings

The 2.5 to 5.0 kW models provide high COPs of 3.2 or more. This model is appropriate for rooms, which are air-conditioned for long periods.

	FT25D/R25D	FT35D/R35D	FT50F/R50B	FT60F/R60B
COP	3.21	3.20	3.21	2.68

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, so you save money.

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

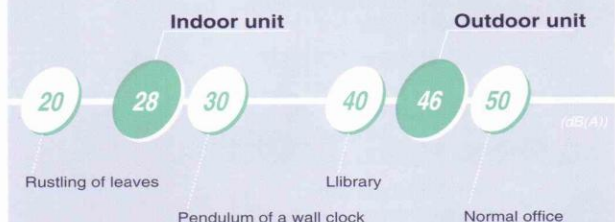
Quiet Sound Levels

A quiet indoor unit is essential for your personal comfort, and a quiet outdoor unit is just as important for peace in your neighbourhood. FT25D offers a low sound level of 28 dB (A) for indoor unit operation and 46 dB (A) for outdoor unit operation.

	(dB (A))			
Indoor units	FT25D	FT35D	FT50F	FT60F
Sound levels (L)	28	31	35	36
Outdoor units	R25D	R35D	R50B	R60B
Sound levels	46	48	54	54

Based on 220 V power supply


28 dB (A) is So Quiet You Can Even Hear Whispers

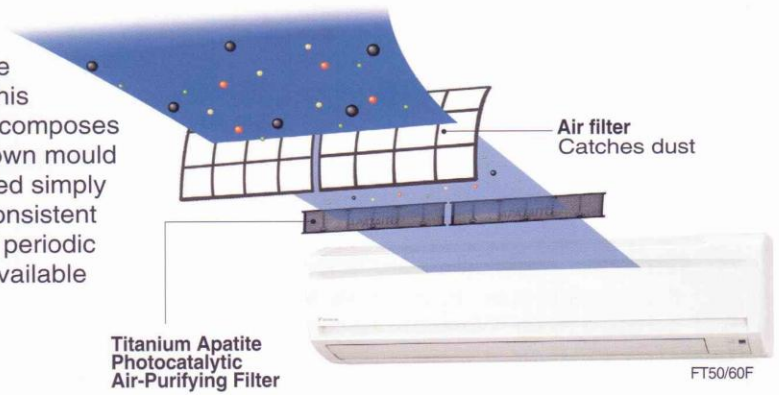


Based on "Examples of Sound Levels", Ministry of the Environment, Japan, November 12, 2002

Less Dust and Odours

Titanium Apatite Photocatalytic Air-Purifying Filter

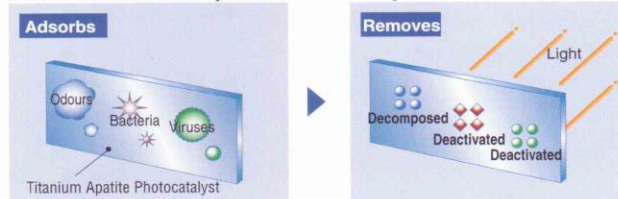
 Titanium apatite is a new photocatalytic material with advanced adsorption power. While the filter's micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes bacteria and viruses, and also breaks down mould and odours. The photocatalyst is activated simply by exposure to light. The filter delivers consistent performance for approximately 3 years if periodic maintenance is performed. The filter is available with FT50/60F models.



Bacteria removal test
 Testing method: Dropping method
 Testing organisation: Japan Spinners Inspecting Foundation
 Result certificate: No. 012553-1 and 012553-2


These filters are not medical devices. Benefits such as the adsorption and decomposition of bacteria and viruses are only effective for substances that are collected on and in direct contact with the Air-Purifying Filter with Photocatalytic Deodorising Function.

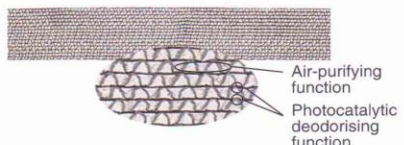
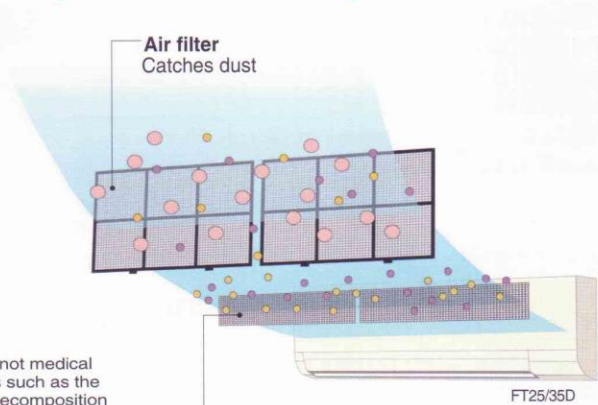
Effect of Titanium Apatite Photocatalyst



Apatite adsorbs bacteria and viruses. At the same time, the photocatalyst oxidises odour components, breaking them down. Viruses are decomposed into clumps of protein and removed.

Air-Purifying Filter with Photocatalytic Deodorising Function

 Air-Purifying Filter with Photocatalytic Deodorising Function is able to trap microscopic particles, decompose odours and even remove bacteria and deactivate viruses. This filter features a large active surface area that effectively cleans the high volumes of air required to air-condition living rooms. The filter delivers consistent performance for approximately 3 years if periodic air maintenance is performed. This filter is available with FT25/35D models.



These filters are not medical devices. Benefits such as the adsorption and decomposition of bacteria and viruses are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.

Bacteria removal test
 Testing method: Dropping method
 Testing organisation: Japan Spinners Inspecting Foundation
 Result certificate: No. 012553-1 and 012553-2

Air-Purifying Filter with Photocatalytic Deodorising Function

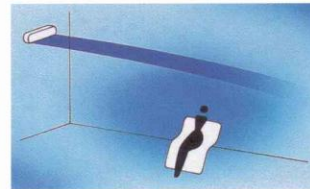
Traps microscopic particles, decomposes odours and even removes bacteria and viruses.

Wide Range of Airflow Functions

Power-Airflow Dual Flaps



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



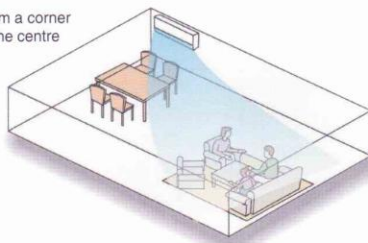
Cool air slides off to reach the corner of the room.

Vertical Auto-Swing (up and down)

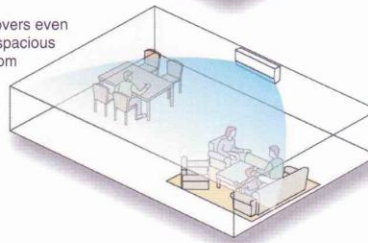


This function automatically moves the flaps up and down to distribute air across a room. When the air conditioner is turned off, the flaps shut automatically so that dust can not enter.

From a corner to the centre



Covers even a spacious room



WIDE ANGLE



Wide-Angle Louvers



The smoothly curved Wide-Angle Louvers provide wide airflow coverage for effective cooling operation no matter where the indoor unit is placed in a room. The louvers can be adjusted by hand.

New Powerful Operation



New Powerful Operation boosts airflow to maximum volume for a 20-minute period. After this, the unit automatically returns to its previous settings. This function is activated by pushing the POWERFUL button on the remote controller. So, for example, now when you come home on a hot day, a powerful airflow will always be right at your fingertips.



Indoor unit On/Off switch



There is a second On/Off switch on the body of the indoor unit to prevent any problems if the wireless remote controller is misplaced.



FT50/60F appearance




Indoor unit On/Off switch

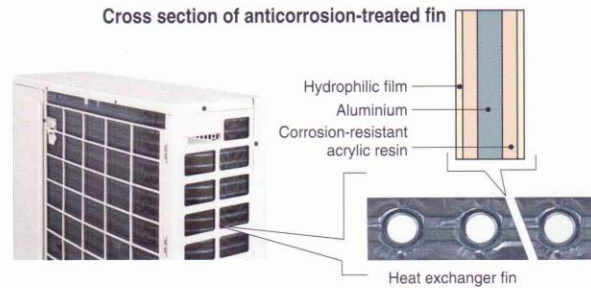
Auto Fan Speed




The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Anticorrosion Treatment of Outdoor Heat Exchanger Fins

 The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets. Additional durability is provided by a rustproof steel sheet on the bottom of the unit.



Self-Diagnosis with Digital Display

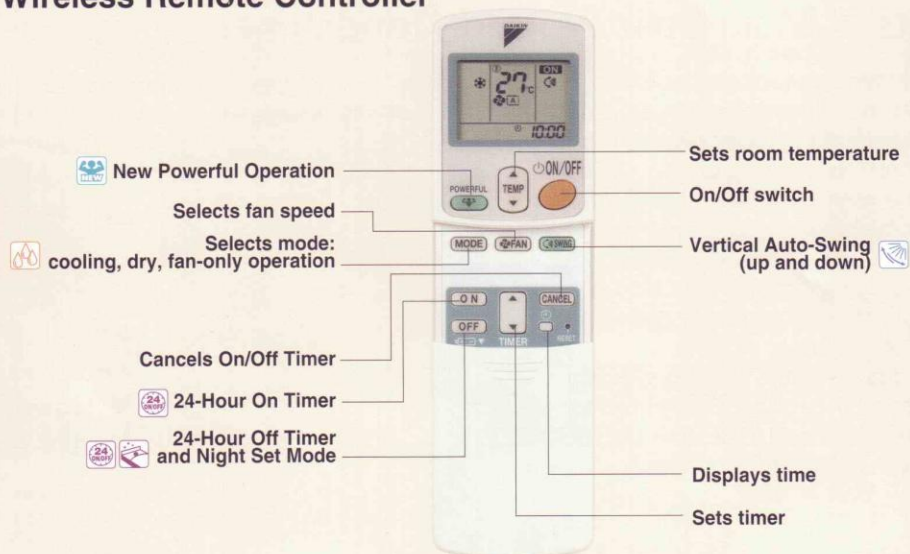
 Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

Long piping length for flexible unit placement

FT50/60F supports a piping length of up to 30 metres to give flexibility during unit installation. This allows the outdoor unit to be placed on a balcony or where it can not be seen. Indoor units can also be installed where they do not compromise the decor of a room.

	Max. piping length	Max. height difference
FT25DVM / R25DV1 FT35DVM / R35DV1	25 m	15 m
FT50FVM / R50BV1 FT60FVM / R60BV1	30 m	15 m

Easy-to-Use Wireless Remote Controller



Wireless remote controller for FT50/60F

Split Type Specifications

Model name	Indoor unit		FT25DVM	FT35DVM	FT50FVM	FT60FVM
	Outdoor unit		R25DV1	R35DV1	R50BV1	R60BV1
Capacity	kW		2.62	3.58	5.3	6.6
	Btu/h		8,900	12,200	18,090	22,530
Power supply	1 phase, 220-240 V, 50Hz					
Running current	A		3.94	5.52	7.9	11.6
Power consumption	W		815	1,120	1,650	2,460
COP	W/W		3.21	3.20	3.21	2.68
Indoor unit			FT25DVM	FT35DVM	FT50FVM	FT60FVM
Front panel colour	White					
Airflow rate (H)	m ³ /min		8.8	9.9	16.2	17.5
	cfm		311	350	572	618
Fan speed	5 steps and automatic					
Sound levels (H/L)	dB (A)		36/28	39/31	45/35	47/36
Dimensions (H x W x D)	mm		283 x 800 x 195		290 x 1,050 x 238	
Machine weight	kg		9		12	
Outdoor unit			R25DV1	R35DV1	R50BV1	R60BV1
Casing colour	Ivory white					
Compressor	Type		Hermetically sealed rotary type			
	Motor output	W	700	1,100	1,500	2,200
Refrigerant charge (R-22)	kg		0.76	0.95	1.35	1.70
Sound levels	dB (A)		46	48	54	
Dimensions (H x W x D)	mm		560 x 695 x 265		685 x 800 x 300	
Machine weight	kg		27	33	49	61
Operation range	°CDB		19.4 to 46			
Piping connections	Liquid	mm	ø6.4			
	Gas		ø9.5	ø12.7	ø15.9	
	Drain		ø18.0			
Max. piping length	m		25		30	
Max. height difference			15			

Note: The above values are based on operation with a 220 V, 50 Hz power supply.

Measurement conditions

- Cooling capacity is based on: indoor temp. 27 °CDB, 19 °CWB; outdoor temp. 35 °CDB; piping length 5 m for R25/35D and 7.5 m for R50/60B.
- Sound levels are based on the temperature condition in 1. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Multi-Split Type Specifications

Outdoor unit

Model name			2M56GV1G			
Power supply	1 phase, 220-240 V, 50 Hz					
Casing colour	Ivory white					
Compressor	Type		Hermetically sealed rotary type			
	Motor output	W	1,540			
Refrigerant charge (R-22)	kg		1.55			
Sound levels	dB (A)		53			
Dimensions (H x W x D)	mm		735 x 825 x 300			
Machine weight	kg		51			
Number of wiring connections	3 for power supply, 4 for interunit wiring					
Operation range	°CDB		19.4 to 46			
Piping connections	Liquid	mm	ø6.4 x 2			
	Gas		ø12.7 x 1, ø15.9 x 1			
	Drain		ø16.0			
Max. piping length	m		30 (total)			
Max. height difference			15 (for one room)			
			10 (between indoor and outdoor units)			

Indoor unit

Wall-Mounted Type

Model name		FT25DVM	FT35DVM	FT50FVM	
Power supply	1 phase, 220-240 V/220-230 V, 50/60 Hz				
Front panel colour	White				
Airflow rate (H)	m ³ /min	8.8	9.9	16.2	
	cfm	311	350	572	
Fan speed	5 steps and automatic				
Sound levels (H/L)	dB (A)	36/28	39/31	45/35	
Temperature control	Microcomputer control				
Dimensions (H x W x D)	mm	283 x 800 x 195		290 x 1,050 x 238	
Machine weight	kg	9		12	
Piping connections	Liquid	mm	ø6.4		
	Gas		ø9.5	ø12.7	ø15.9
	Drain		ø18.0		
Heat insulation	Both liquid and gas pipes				

Note: The above values are based on operation with a 220 V, 50 Hz power supply.

Measurement conditions

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

Specifications are subject to change.

Main features

Intelligent technologies

High energy efficiency through advanced technologies delivers high COP.



High energy savings

4MKD75DVM

	Cooling operation
COP	3.38

* During rated capacity operation of 4 indoor units (2.5 + 2.5 + 2.5 + 6.0 kW class).

What is COP?

An air conditioner's COP (coefficient of performance) indicates how efficiently it uses energy. A high COP means high energy efficiency.

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

Granted the Singapore 4-tick energy label

The following models have earned the Singapore 4-tick energy label for household electrical appliances:



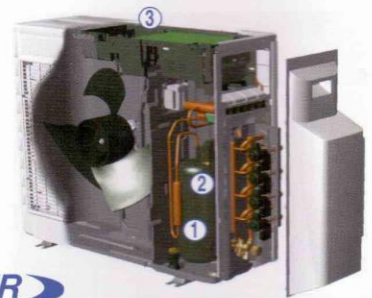
2MKD58DVM



3MKD58DVM



4MKD75DVM



Daikin energy-saving technologies

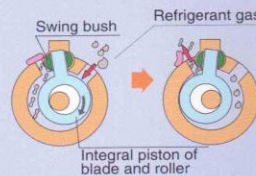


1 Swing compressor



Swing compressor
Reluctance DC motor

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



The swing compressor can reduce operational vibration and sound because its piston moves smoothly inside the compressor.



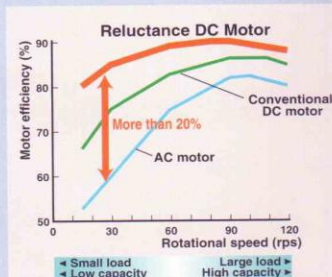
This marked the development of a high-performance swing compressor that was compatible with alternative fluorocarbons. The prize was presented in 1997.

2 Reluctance DC motor



Neodymium magnets are used in the pink-coloured area.

Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor. The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2. This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor.



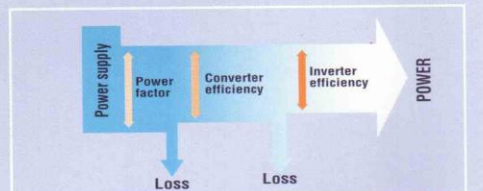
This was the first scroll compressor to be equipped with the Reluctance DC motor in commercial-use air conditioners. The Institute of Electrical Engineers of Japan presented the award in 1998.

*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2. The torque created by the change in power between the iron and magnet parts.

Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.

3 PAM control

Pulse Amplitude Modulation (PAM) control reduces energy loss by controlling the amount of switching on/off of the converter.



Lemoncool 8222024

Convenient features to realise your ideal environment

Ideal environment



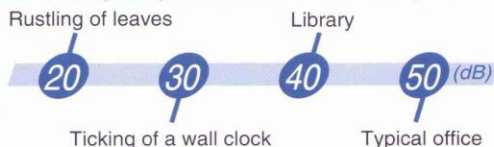
Quiet operation

Indoor unit

A quiet indoor unit is important for your personal comfort. Super Multi NX offers the quiet sound level of 25 dB (A) during Indoor Unit Quiet Operation of the FTKD25D.

Note: Capacity may decrease when quiet functions are selected.

25 dB is so quiet you can even hear whispers



Outdoor unit

A quiet outdoor unit is essential for your comfort and peace in your neighbourhood. Super Multi NX achieves a quiet sound level of 43 dB (A) during Outdoor Unit Quiet Operation or Night Quiet Mode of the 2/3MKD58D. The minimum outdoor unit sound level is 39 dB (A).*

* Achievable when:

1. A single 2.5 kW class indoor unit is operating.
2. Indoor Unit Quiet Operation is selected for all indoor units in operation.
3. Outdoor Unit Quiet Operation is selected.

Note: Capacity may decrease when quiet functions are selected.

Connectable at up to 200% of the outdoor unit capacity class

If all indoor units will not be operated simultaneously, for example, during daytime use of the living room unit or nighttime use of the three bedroom units, the sum of the capacity classes of all indoor units that can be connected is up to 200% of the outdoor unit capacity class.

- Notes:
1. When an indoor unit is turned on, if the sum of the capacity classes of all indoor units exceeds the limit for simultaneous operation, the unit waits on standby.
 2. Even an indoor unit that was initially set as prioritised under Priority-Room Setting waits on standby under the above condition 1.
 3. When an indoor unit is turned off, the sum of the capacity classes of all indoor units is within the limit for simultaneous operation, the unit waiting on standby starts automatically.



		2MKD58DVM	3MKD58DVM	3MKD75DVM	4MKD75DVM	4MKD100DVM
Outdoor unit capacity class	(kW)	5.8	5.8	7.5	7.5	10.0
Limit of the sum of capacity classes of all indoor units	Connectable at 200% (kW)*	—	11.6	15.0	15.0	20.0
	Simultaneous operation (kW)	10.0	10.0	13.5	13.5	15.6

* Indoor units can be connected at up to 200% of outdoor units capacity class. All indoor units cannot be operated simultaneously.

Higher capacity models selectable

SUPER MULTI NX offers a more powerful outdoor unit to families living in HDB apartments with a limited current of 8.5 A or 11 A.

Interior & exterior flexibility

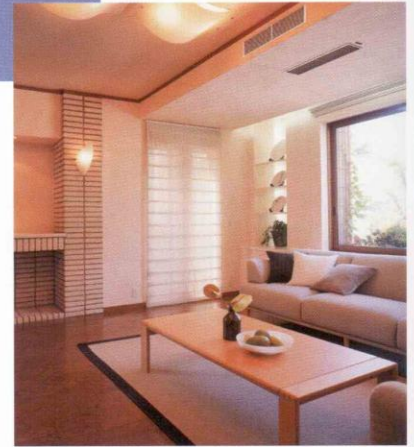
Wide array of choices to match your interior



Stylish indoor units for elegant interiors



The stylish flat panel design of the wall-mounted type provides an excellent match for the most refined of interiors.



Only 240 mm is required above the ceiling for installation.

Compact outdoor units for a less obtrusive exterior look

The system requires only a single outdoor unit. The compact design provides installation flexibility and takes up less space, for a less obtrusive exterior look.

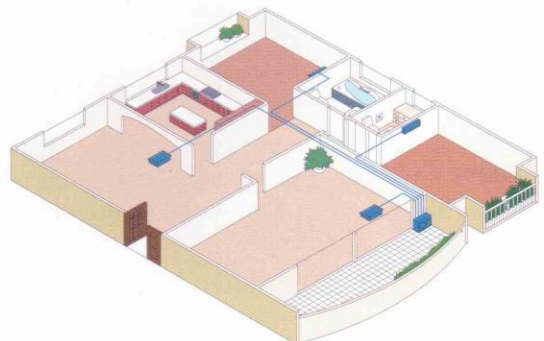


Needs just one outdoor unit
—keep your home exterior beautiful!

Long piping lengths for installation flexibility

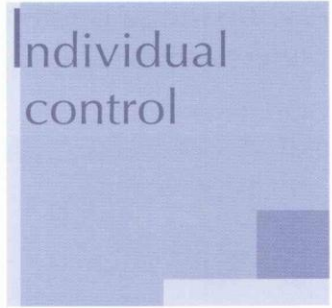
The ample maximum piping length of 70 m permits more freedom in the placement of air conditioner units and facilitates the optimisation of interior space.

Model name		2MKD58	3MKD58	3/4MKD75	4MKD100
Max. piping length	Total	35 m	45 m	60 m	70 m
	For each room	25 m			



Individual control for each room to match your family's lifestyle

Individual control



■ Preferential air conditioning Initial setting required during installation



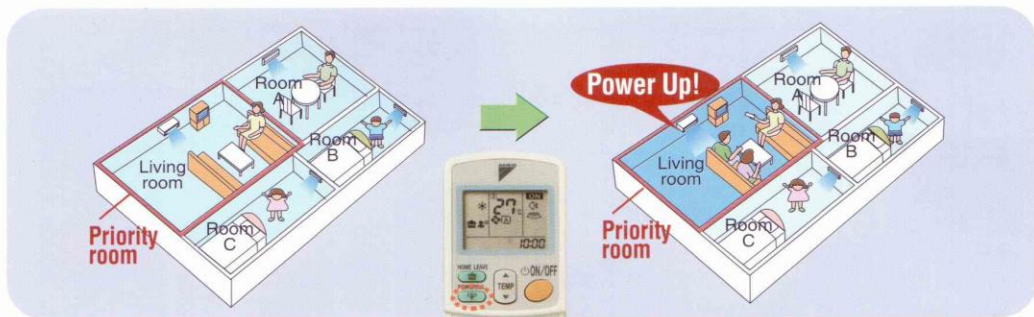
Priority-Room Setting delivers priority capacity to a prioritised room when using multi-split air conditioners. After a priority room is selected, it receives preferential air-conditioning plus priority control over the 2 functions below.

① Priority setting with Inverter Powerful Operation



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

Note: Capacity in other rooms may decrease slightly.



② Priority setting with Outdoor Unit Quiet Operation



Priority-Room Setting also allows Outdoor Unit Quiet Operation to be selected by one command* from the priority room.

* If Priority-Room Setting has not been set, the Outdoor Unit Quiet Operation button must be pushed on the wireless remote controller of all indoor units operating at that time.

■ Convenient remote controllers

A variety of convenient controller systems permit individual control of settings such as temperature, airflow volume, and operation duration.



Wireless remote controller



5-room centralised controller
(option)





Central remote controller
(option)







Unified on/off controller
(option)

A wide range of models to choose from that deliver excellent comfort and convenience

Outdoor unit

Model	Model name	Capacity class	Max. piping length	Max. height difference
Connectable to up to 3 indoor units 	2MKD58DVM	5.8 kW	35 m	15 m
	3MKD58DVM	5.8 kW	45 m	15 m
	3MKD75DVM	7.5 kW	60 m	15 m
Connectable to up to 4 indoor units 	4MKD75DVM	7.5 kW	60 m	15 m
	4MKD100DVM	10 kW	70 m	15 m

Indoor unit

Model	Capacity class	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.1 kW
Wall-mounted type 		FTKD25DVM	FTKD35DVM			
				FTKD50FVM	FTKD60FVM	FTKD71FVM
Duct-connected type  700 mm width  900/1,100 mm width		CDKD25EAVM	CDKD35EAVM			
		CDKD25CVM	CDKD35CVM	CDKD50CVM	CDKD60CVM	
Floor/ceiling-suspended dual type 		FLK25AVMA	FLK35AVMA	FLK50AVMA	FLK60AVMA	

Possible combinations for indoor and outdoor units

Model \ Capacity class	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.1 kW
2MKD58D	●	●	●		
3MKD58D	●	●	●		
3MKD75D	●	●	●	●	●
4MKD75D	●	●	●	●	●
4MKD100D	●	●	●	●	●

Wall-Mounted Type



2.5 kW class

3.5 kW class

FTKD25DVM

FTKD35DVM



5.0 kW class

6.0 kW class

7.1 kW class

FTKD50FVM

FTKD60FVM

FTKD71FVM

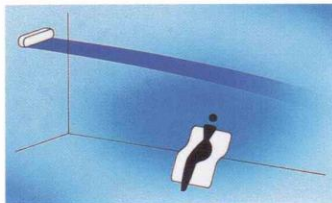


Evenly distributed air



Vertical and horizontal airflow is controlled by Power-Airflow Dual Flaps and Wide-Angle Louvres working in tandem, realising even distribution of air.

The Power-Airflow Dual Flaps flatten out to deliver air to the farthest corners of the room.



Quiet operation



Wall-mounted type indoor units achieve quiet sound levels of 25 dB during Indoor Unit Quiet Operation.

(H/L/SL)

FTKD25D	FTKD35D
37/28/25 dB (A)	39/29/26 dB (A)

Clean air



Uses a Titanium Apatite Photocatalytic Air-Purifying Filter. Titanium apatite is a photocatalytic material with high adsorption power. It effectively adsorbs and removes bacteria and viruses along with mould and odours. This filter is available for FTKD50/60/71F.



Easy cleaning



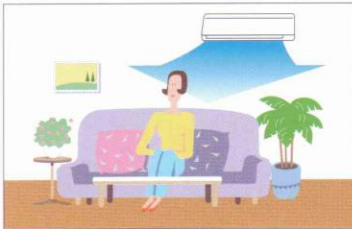
Flat panel can be cleaned with just a single pass of a cloth across its smooth surface.



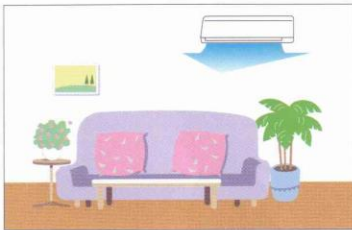
Energy savings plus quick return to favourite comfort setting levels



Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by 2°C for energy savings of up to 20%. Intelligent Eye is available for all wall-mounted models.



When you are in the room

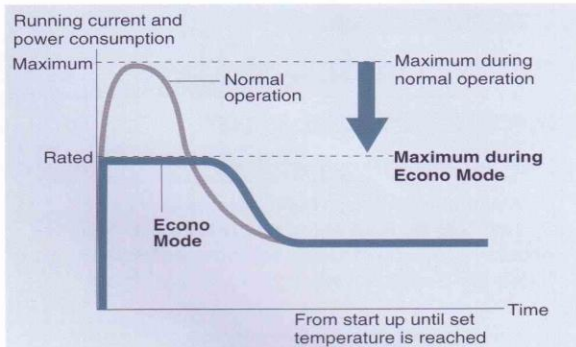


When you go out



Econo Mode

Econo Mode is a function that reduces the maximum running current and the maximum power consumption of the outdoor unit to the rated values. This mode is useful for preventing circuit breakers from being overloaded by the use of multiple air conditioners and other electrical devices. The function is easily activated from the remote controller by pushing the ECONO button. Econo Mode is available for the FTKD25/35D.



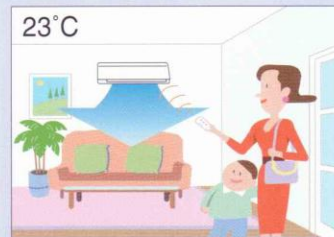
- This diagram is a representation for illustrative purposes only.
- Maximum capacity decreases during Econo Mode, requiring more time to reach the set temperature.



Home Leave Operation prevents large rises in the indoor temperature by continuing operation* while you are sleeping or out of your home. This means that an air-conditioned welcome awaits when you wake or return. It also means that the indoor temperature can quickly return to your favourite comfort setting.

* Home Leave Operation can be selected for any temperature from 18 to 32°C.

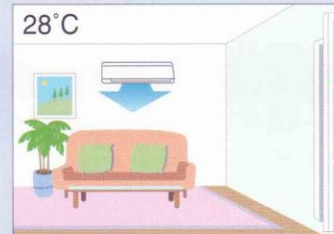
23°C for the room temperature setting, and 28°C for the home leave setting.



Start Home Leave Operation simply by pushing its button on the remote controller.



One push!!



When you are out of your home, your air conditioner prevents large rises in the indoor temperature by continuing to operate using Home Leave Operation settings.



When you return, you will be greeted by an air-conditioned room. Just push the HOME LEAVE button again to return to your previous settings.



Push again!!

Uniform cooling of the whole living room

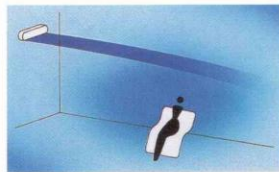


Inverter Powerful Operation boosts cooling performance for a 20-minute period. This is convenient both when you first turn on your air conditioner and when you want to quickly change the temperature during operation.



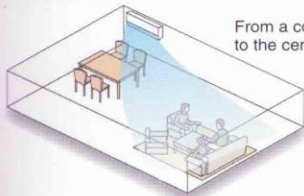
Power-Airflow Dual Flaps and Wide-Angle Louvres work in tandem to precisely control both vertical and horizontal airflow for even distribution of air.

Power-Airflow Dual Flaps

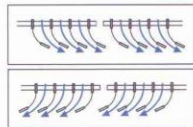


The flaps flatten out during operation so that cool air slides off to reach the farthest corners of the room.

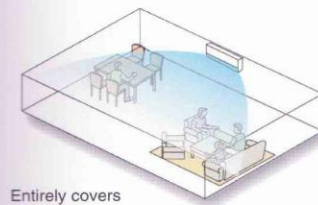
Wide-Angle Louvres



From a corner to the centre



The louvres can be adjusted by hand for the FTKD25/35D and FLK25/35/50/60A. The louvres can be adjusted with the wireless remote controller for the FTKD50/60/71F.



Entirely covers a spacious room



Vertical Auto-Swing automatically moves the flaps up and down and Horizontal Auto-Swing automatically moves the louvres

to the left and right. 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling of even large spaces.



A uniform temperature is achieved throughout the entire room.



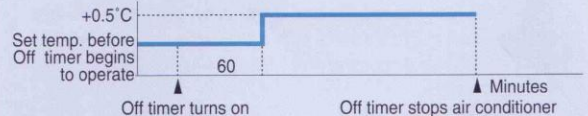
The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.



Indoor Unit On/Off Switch



Pressing the Off timer button automatically selects the Night Set Mode. This function prevents any sudden change in room temperature by gently raising the temperature before the air conditioner stops, so you can sleep comfortably.



Room temperature is raised by 0.5°C after 60 minutes, while minimum outdoor unit sound levels are maintained.