



PCRVN1402A

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.



Split Type Air Conditioners

FTNE-M Series
Cooling Only [50 Hz] **R-410A**



Đại lý phân phối



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Personalise Your Cool

Daikin's sophisticated airflow control and low sound pressure levels surround you with a cloud of quiet comfort. Choosing the right model is easy, with a full lineup of 5 models from 2.0 to 6.0 kW available. These stylish, compact units look just as cool as they feel.

FTNE-M series using R-410A is newly launched.



2.0 to 3.5 kW Class



Model			FTNE20MV1V9 / RNE20MV1V9	
Cooling Capacity	kW		2.07	
	Btu/h		7,000	
Model			FTNE25MV1V9 / RNE25MV1V9	
Cooling Capacity	kW		2.65	
	Btu/h		9,000	
Model			FTNE35MV1V9 / RNE35MV1V9	
Cooling Capacity	kW		3.26	
	Btu/h		11,100	

5.0 and 6.0 kW Class



Model			FTNE50MV1V / RNE50MV1V	
Cooling Capacity	kW		5.02	
	Btu/h		17,150	
Model			FTNE60MV1V / RNE60MV1V	
Cooling Capacity	kW		6.3	
	Btu/h		21,500	



Comfortable Airflow Control



Power-Airflow Dual Flaps



Power-Airflow Dual Flaps flatten out during cooling operation to deliver air to every part of a room. Choosing the low angle sends air right to the corners, while choosing the high angle spreads air around the centre.



When you choose the low angle, cool air slides off to reach the corners of the room.

Vertical Auto-Swing (up and down)



Vertical Auto-Swing (up and down) 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.

New Powerful Operation



New Powerful Operation boost airflow to maximum volume for a 20-minute period. This is convenient when you want to quickly adjust the indoor temperature to the set temperature. After this, the unit automatically returns to its previous settings.

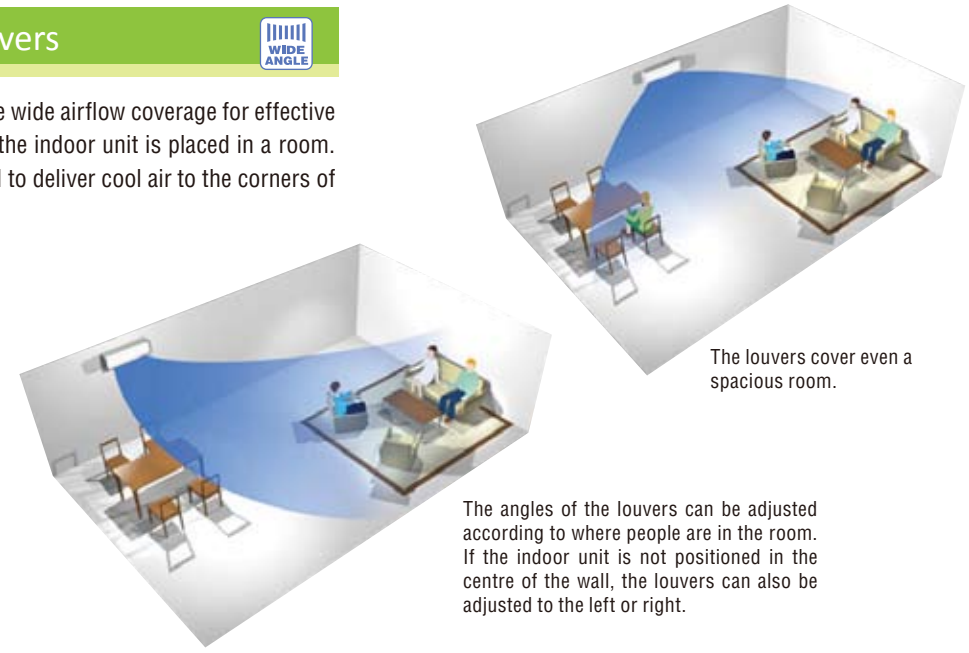
New Powerful Operation is available for 5.0 and 6.0 kW models.



Wide-Angle Louvers



Wide-Angle Louvers provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room. The louvers can be adjusted to deliver cool air to the corners of a room by hand.



The louvers cover even a spacious room.

The angles of the louvers can be adjusted according to where people are in the room. If the indoor unit is not positioned in the centre of the wall, the louvers can also be adjusted to the left or right.

Energy Savings and Quiet Operation

COP of 2.97 or More

The 2.0 to 6.0 kW models provide a high COP of 2.97 or more. 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.

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

FTNE20M
3.09

FTNE25M
3.22

FTNE35M
3.05

FTNE50M
2.97

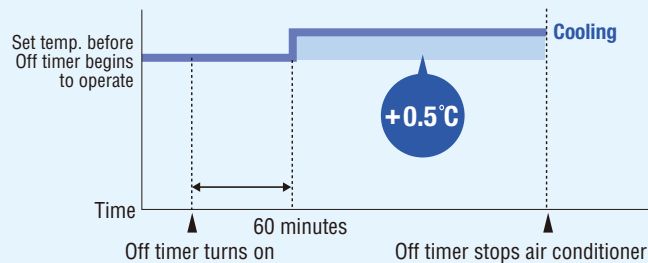
FTNE60M
3.10



Night Set Mode



Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling for a pleasant sleep. Sixty minutes after the Off timer button is pressed, the room temperature is raised by 0.5°C.

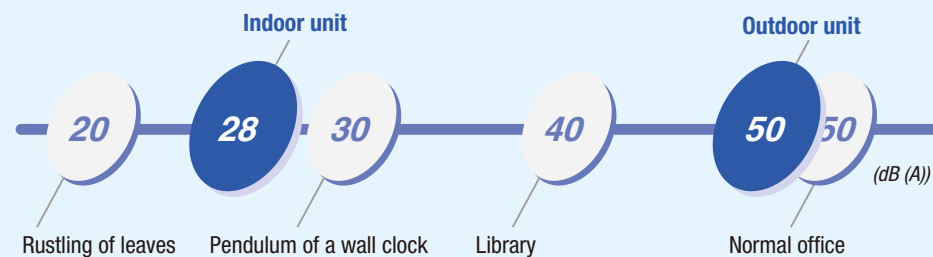


Cooling operation: Room temperature is raised by 0.5°C after 60 minutes.

Quiet Operation

The key benefit of split type air conditioners is their quiet operation. This is made possible by the separate indoor and outdoor units. The FTNE25M offers a low sound pressure level of 28 dB (A) for indoor unit operation and 50 dB (A) for outdoor unit operation.

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

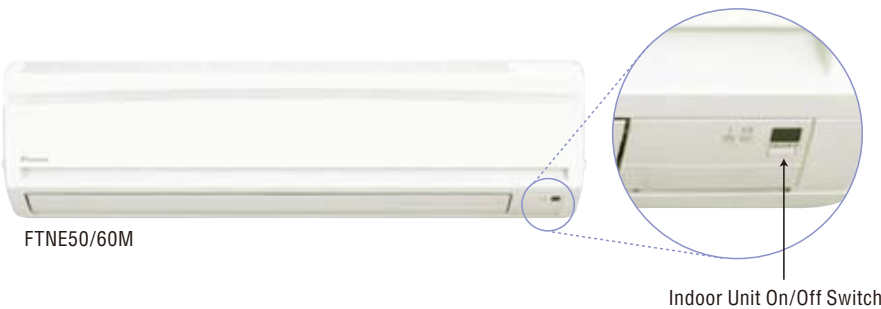


Based on "Examples of Sound Pressure Levels", Ministry of the Environment, Japan, November 12, 2002

Indoor Unit On/Off Switch



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

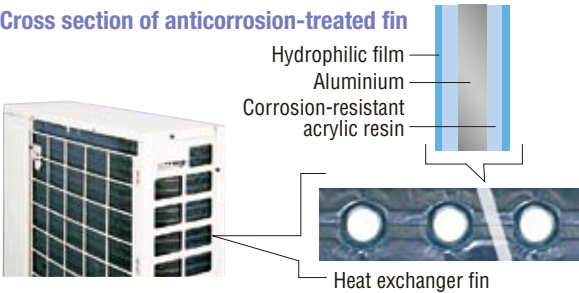


Worry-Free Design

Anticorrosion Treatment of Outdoor Heat Exchanger Fins



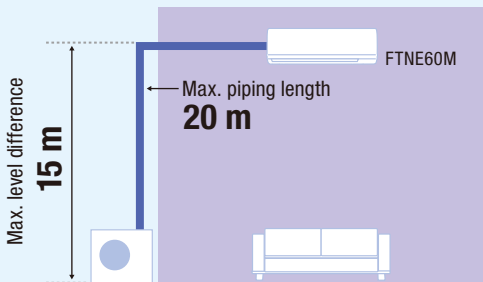
The outdoor unit's heat exchanger fins are covered with a thin acrylic resin layer to enhance their resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets. The RNE50/60M uses the microchannel heat exchanger (MCHE).



Long Piping Length for Flexible Unit Placement

The FTNE35/50/60M supports a piping length of up to 20 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. level difference
FTNE20/25M	15 m	12 m
FTNE35/50/60M	20 m	15 m



Functions

Comfortable Airflow



Power-Airflow Dual Flaps

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

► See page 4



Wide-Angle Louvers

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

► See page 4



Vertical Auto-Swing (up and down)

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

► See page 4

Lifestyle Convenience



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.

► See page 3



Indoor Unit On/Off Switch

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.

► See page 6

Cleanliness



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



Programme Dry Function

The microprocessor works to rid the room of humidity while maintaining the most consistent temperature possible. It automatically controls the temperature and airflow rate.



Auto Fan Speed

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

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.



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.

► See page 6

Worry Free



Auto-Restart after Power Failure

The air conditioner memorises the settings for mode, 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.

► See page 7

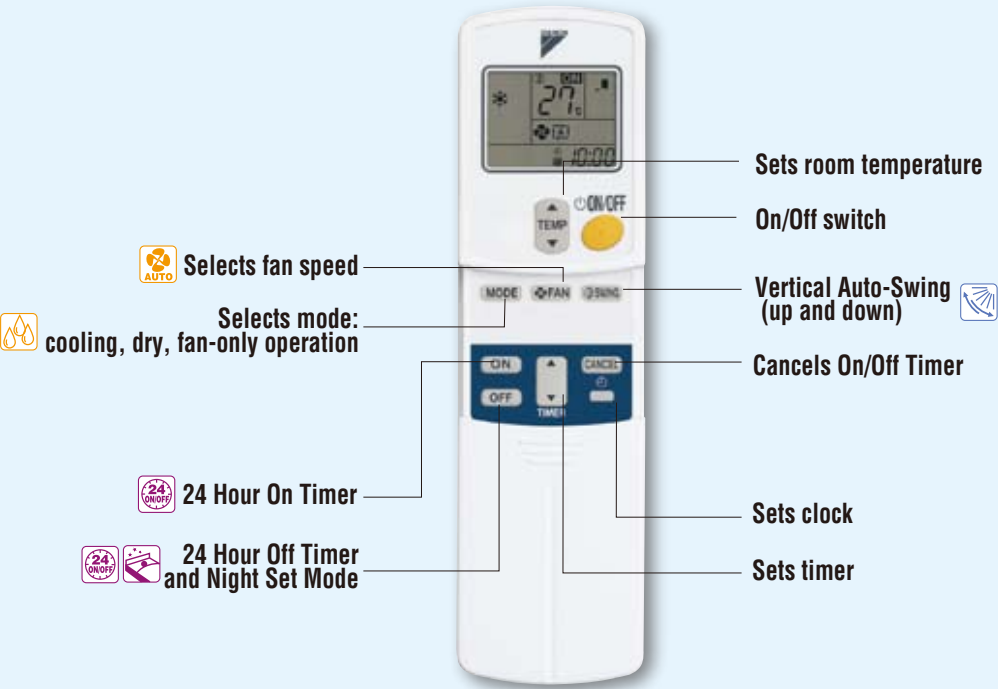
Function List

Indoor Unit		Models		FTNE 20/25/35M	FTNE 50/60M
Functions					
Comfortable Airflow	Power-Airflow Dual Flaps			●	●
	Wide-Angle Louvers			●	●
	Vertical Auto-Swing (up and down)			●	●
Comfort Control	Programme Dry Function			●	●
	Auto Fan Speed			●	●
Lifestyle Convenience	New Powerful Operation				●
	Indoor Unit On/Off Switch			●	●
Cleanliness	Wipe-Clean Flat Panel			●	●
Timers	24 Hour On/Off Timer			●	●
	Night Set Mode			●	●
Worry Free	Auto-Restart after Power Failure			●	●
	Self-Diagnosis with Digital Display			●	●

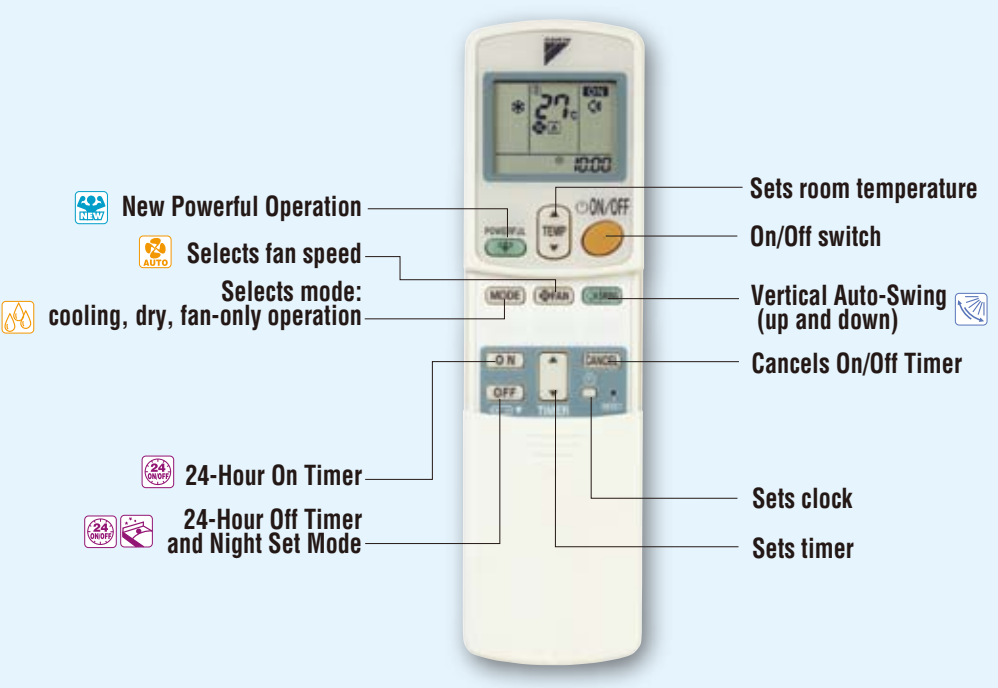
Outdoor Unit		Models		RNE 20/25/35/50/60M
Functions				
Worry Free	Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins			●

Controllers

Wireless Remote Controller for FTNE20/25/35M



Wireless Remote Controller for FTNE50/60M



Specifications

Model name	Indoor unit		FTNE20MV1V9	FTNE25MV1V9	FTNE35MV1V9	FTNE50MV1V	FTNE60MV1V
	Outdoor unit		RNE20MV1V9	RNE25MV1V9	RNE35MV1V9	RNE50MV1V	RNE60MV1V
Capacity	kW		2.07	2.65	3.26	5.02	6.3
	Btu/h		7,000	9,000	11,100	17,150	21,500
Power supply			1 phase, 220-240 V, 50 Hz				
Running current	A		3.3	3.6	5.0	8.0	9.3
Power consumption	W		670	825	1,070	1,690	2,030
COP	W/W		3.09	3.22	3.05	2.97	3.10
Indoor unit			FTNE20MV1V9	FTNE25MV1V9	FTNE35MV1V9	FTNE50MV1V	FTNE60MV1V
Front panel colour			Almond white			White	
Airflow rate	H	m³/min (cfm)	9.6 (339)		9.9 (349)	18.5 (653)	
Fan speed			5 steps and automatic				
Sound pressure level	H/L	dB (A)	37/28		39/33	48/35	48/36
Dimensions	H x W x D		283 x 800 x 195			290 x 1,050 x 238	
Machine weight	kg		9			12	
Outdoor unit			RNE20MV1V9	RNE25MV1V9	RNE35MV1V9	RNE50MV1V	RNE60MV1V
Casing colour			Ivory white				
Compressor	Type		Hermetically sealed rotary type				
	Motor output	W	593	760	900	1,300	1,957
Refrigerant charge	Type		R-410A				
	Charge	kg	0.50	0.73	0.91	0.90	
Sound pressure level	dB (A)		50		51	54	53
Dimensions	H x W x D		418 x 695 x 244		550 x 658 x 275	595 x 845 x 300	
Machine weight	kg		22	25	32	36	40
Operation range			°CDB 19.4 to 46				
Piping connection	Liquid	mm			ø 6.4		
	Gas		ø 9.5		ø 12.7	ø 15.9	
	Drain		ø 18.0				
Max. piping length			15		20		
Max. level difference			12		15		

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

Options

Indoor unit

No.	Item	FTNE20/25/35/50/60M
1	Remote controller loss prevention with chain	KKF917A4



Outdoor unit

No.	Item	RNE20/25/35/50/60M
1	Drain plug	KKP937A4

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

