

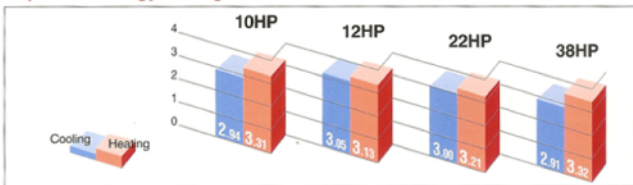
VRV II marks a significant advance over VRV.

The new VRV II is a significantly improved version of the original VRV, which revolutionized building air conditioning. The latest in air conditioning technologies are applied to fulfill all the needs of our customers. The VRV II opens the door to the future of air conditioning.

No.1*
Energy saving

■ High COP
available during both cooling and heating operation

Top-class Energy Savings



Value represents that to be achieved by a single outdoor unit.

What is COP?

COP (Coefficient of Performance) indicates energy consumption efficiency. A higher COP means less electricity used, resulting in greater energy efficiency.

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

Wide range of indoor units **13 series, 85 models**

Type	Capacity Range Capacity Index	0.8 HP 20	1 HP 25	1.25 HP 31.25	1.6 HP 40	
Ceiling mounted cassette (Double-flow) type		FXC20LVE	FXC25LVE	FXC32LVE	FXC40LVE	
Ceiling mounted cassette (Multi-flow) super cassette type			FXF25LVE	FXF32LVE	FXF40LVE	
Ceiling mounted cassette corner type			FXK25LVE	FXK32LVE	FXK40LVE	
Slim ceiling mounted duct type	with drain-up pump		FXD20MVE	FXD25MVE	FXD32MVE	FXD40MVE
	without drain-up pump		FXD20MVET	FXD25MVET	FXD32MVET	FXD40MVET
Ceiling mounted duct (Low Silhouette type)		FXYD20KAVE	FXYD25KAVE	FXYD32KAVE	FXYD40KAVE	
Ceiling mounted built-in type		FXS20LVE	FXS25LVE	FXS32LVE	FXS40LVE	
Ceiling mounted built-in type with rear suction*		FXYB20KV1	FXYB25KV1	FXYB32KV1	FXYB40KV1	
Ceiling mounted duct type					FXM40LVE	
Ceiling suspended type				FXH32LVE		
Wall mounted type		FXA20LVE	FXA25LVE	FXA32LVE	FXA40LVE	
Floor standing type		FXL20LVE	FXL25LVE	FXL32LVE	FXL40LVE	
Concealed floor standing type		FXN20LVE	FXN25LVE	FXN32LVE	FXN40LVE	

■ A maximum 48 HP with built-in flexibility

This level of power is a quantum leap over the previous 30 HP, taking Daikin into the top rank of the industry. The number of modules has been standardized from nine to six and the number of casings from four to three, streamlining the design process to offer enhanced flexibility.

	5 HP	8, 10 HP	12, 14, 16 HP	18, 20 HP	22, 24, 26 HP	28, 30, 32 HP
Cooling Only (50Hz)	RX38FY1(E)	RX38FY1(E) RX10FY1(E)	RX12FY1(E) RX14FY1(E) RX16FY1(E)	RX18FY1(E) RX20FY1(E)	RX22FY1(E) RX24FY1(E) RX26FY1(E)	RX28FY1(E) RX30FY1(E) RX32FY1(E)
Heat Pump Type (50Hz)	RXV38FY1(E)	RXV38FY1(E) RXV10FY1(E)	RXV12FY1(E) RXV14FY1(E) RXV16FY1(E)	RXV18FY1(E) RXV20FY1(E)	RXV22FY1(E) RXV24FY1(E) RXV26FY1(E)	RXV28FY1(E) RXV30FY1(E) RXV32FY1(E)
(60Hz)	RXV38FL(E) RXV38FL(E)	RXV10FL(E) RXV10FL(E) RXV12FL(E) RXV12FL(E)	RXV14FL(E) RXV14FL(E) RXV16FL(E) RXV16FL(E)	RXV18FL(E) RXV18FL(E) RXV20FL(E) RXV20FL(E)	RXV22FL(E) RXV22FL(E) RXV24FL(E) RXV24FL(E)	RXV26FL(E) RXV26FL(E) RXV28FL(E) RXV28FL(E) RXV30FL(E) RXV30FL(E) RXV32FL(E) RXV32FL(E)

■ 2 HP increments

By providing a range of horse power levels in 2 HP increments*1, Daikin responds exactly to customer needs.

*1. Except for 5 HP

34, 36 HP	38, 40, 42 HP	44, 46, 48 HP
RX348FY1(E) RX368FY1(E)	RX388FY1(E) RX408FY1(E) RX428FY1(E)	RX448FY1(E) RX468FY1(E) RX488FY1(E)
RXV348FY1(E) RXV368FY1(E)	RXV388FY1(E) RXV408FY1(E) RXV428FY1(E)	RXV448FY1(E) RXV468FY1(E) RXV488FY1(E)
RXV348FL(E) RXV348FL(E) RXV368FL(E) RXV368FL(E)	RXV388FL(E) RXV388FL(E) RXV408FL(E) RXV408FL(E) RXV428FL(E) RXV428FL(E)	RXV448FL(E) RXV448FL(E) RXV468FL(E) RXV468FL(E) RXV488FL(E) RXV488FL(E)

■ Indoor units

A wide range of indoor units includes 13 types and 85 models, so the needs of all customers can be precisely met.

* Source: Survey by Daikin as of Jan. 2003

2 HP	2.5 HP	3.2 HP	4 HP	5 HP	8 HP	10 HP
50	62.5	80	100	125	200	250
FXC50LVE	FXC63LVE	FXC80LVE		FXC125LVE		
FXF50LVE	FXF63LVE	FXF80LVE	FXF100LVE	FXF125LVE		
	FXK63LVE					
FXD50MVE	FXD63MVE					
FXD50MVET	FXD63MVET					
FXYD50KAVE	FXYD63KAVE					
FXS50LVE	FXS63LVE	FXS80LVE	FXS100LVE	FXS125LVE		
FXYB50KV1	FXYB63KV1	FXYB80KV1	FXYB100KV1	FXYB125KV1		
FXM50LVE	FXM63LVE	FXM80LVE	FXM100LVE	FXM125LVE	FXM200LVE	FXM250LVE
	FXH63LVE		FXH100LVE			
FXA50LVE	FXA63LVE					
FXL50LVE	FXL63LVE					
FXN50LVE	FXN63LVE					

* FXYB is a dedicated 50Hz model. A special order is required for 60Hz model.

Advanced control systems

New Intelligent Controller



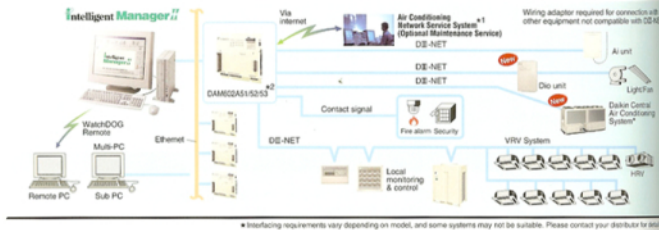
New communication functions in the user-friendly icon-based multilingual controller simplify centralized control of the VRV system.

- Color LCD touch panel icon display
- Small manageable size
- Simplified engineering
- Multi language (English, French, Italian, German, Spanish and Chinese)
- Yearly schedule
- P.P.D. (Power Proportional Distribution function) (Optional)
- Auto heat/cool change-over
- Temperature limitation
- History of 500 actions
- Air Conditioning Network Service System (Optional Maintenance Service)
- Simple Interlock Function

New Functions

- New Function 1:** Doubling of number of control points by adding a DB-NET Plus Adapter (Optional)
- New Function 2:** Support for centralized control from elsewhere using a PC with a Web browser (Optional)
- New Function 3:** Sending of e-mail alerts to a specified address when malfunctions occur (Optional)
- New Function 4:** Built-in modem for connecting to Arinet Service System (Optional)
- New Function 5:** Built-in Ethernet port for connecting to the internet or an intranet
- New Function 6:** Management of facilities / equipment other than A/C units (Compatible with Di unit and Di unit)
- New Function 7:** Simple Interlock Function

Intelligent Manager



Centralized control system for easy provision of effective control and monitoring of VRV system functions

- Floor visual navigation
- Graphical report
- Remote intelligent manager
- Multi-PC access
- Watch dog function for remote error monitoring
- Power limit control
- Sliding temperature (optional (DAM101A51) unit required)
- Automatic heat/cool change-over
- ECO mode
- Temperature limitation
- Air Conditioning Network Service System (Optional Maintenance Service)

New Functions

- Features control and monitoring functions for central A/C products and an Air Conditioning Network Service function.
- Using an external contact via DB-NET, monitors and controls equipment such as lighting, fans, or building security systems.

Interface for BACnet® and LonWorks®



Integrated control systems that recognize the trend of open control systems

- Compatibility with BMS enhanced by utilizing the international communication standards, BACnet® or LonWorks®.

DMS504B51 Interface for use in LonWorks®

- XIF file for confirming of specifications of the units.
- Connectable up to 10 outdoor units and 64 indoor unit groups.

DMS502A51 Interface for use in BACnet®

- Conformance class 3 (ASHRAE 135-1995)
- Standard BACnet® Device B-ASC (ASHRAE 135-2001)
- BACnet® OPC server compatibility
- BACnet®/IP over Ethernet
- Up to 40 outdoor units and 256 indoor unit groups on one gateway. (optional adapter)

Air Conditioning Network Service System

Maintenance services that boost profits and customer satisfaction

- 24 hour on-line diagnostic system
- Energy saving and extension of aircon operating life
- Maintenance management via A/C network service system reports
- Reliable service at shortest lead time

#1: There are restrictions in applicable area and on-site times, therefore please consult us separately for details.
 #2: Model name varies upon the system size.
 #3: BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
 #4: LonWorks® is a registered trade mark of Echelon Corporation.
 #5: For an IP unit, one of the following can be selected: Local Controller, Intelligent touch Controller, or Intelligent Manager II.
 #6: Ethernet is a registered trademark of Xerox Corporation.
 #7: Refer to the Options page for the name of each model.

HRV

Heat Reclaim Ventilation

The HRV Creates a High-Quality Environment by Interlocking with the Air Conditioner

Daikin's HRV (Heat Reclaim Ventilation) recovers heat energy lost through ventilation and holds down room temperature changes caused by ventilation, thereby maintaining a comfortable and clean environment. This also curbs the load on the air conditioning system and conserves energy. In addition, the HRV is interlocked with Daikin's VRV system, SkyAir and other air conditioning systems and automatically switches over ventilation mode, further increasing the effects of energy conservation. HRV operation has been centralized on the air conditioner remote controller allowing total control over air conditioning and ventilation with a simple configuration.

Daikin air conditioner



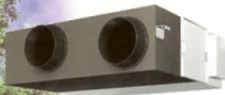
Indoor unit

- Operating mode signal
- Filter cleaning signal
- Failure detection signal



LCD remote controller for indoor unit

- ON/OFF signal
- Cooling/Heating mode signal
- Set temperature signal
- Ventilation signal
- Humidifier ON/OFF signal



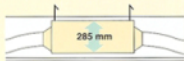
HRV

New VAM-FA Series

First-class Compactness in the Industry

The use of the originally developed High Efficiency Paper (HEP) element and optimized design of the fan and airflow passages, has enabled the first-class compactness in the industry while maintaining some 28% reduction of air conditioning load as before. The height of the main unit has been reduced by up to 285 mm* and easily fits in limited spaces, such as behind ceilings.

* In case of VAM500FAVE.



First-Class Energy Conservation in the Industry

Air Conditioning Load Reduced by Approximately 28%

1. Approximately 20% by operating in total heat exchange mode (in comparison with normal ventilation fans)
2. Another approximately 6% gained by auto-ventilation mode changeover switching
3. Yet another approximately 2% by pre-cool, pre-heat control

Operation range of outdoor temperatures

Cold climate compatible : Standard operation at temperatures down to -15°C

The new intermittent operation mode is activated when outdoor temperature goes down to -10°C or below, preventing freezing or condensation in the unit. Standard models can now be used in cold climate regions.

