

- 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 unauthorized 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.

For any inquiries, contact your local distributor.

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 and choose an outdoor unit with anti-corrosion treatment.



The air conditioners manufactured by Daikin Industries have received ISO 9001 certification for quality assurance.

Certificate Number JMI-0107



All Daikin Industries locations and subsidiaries in Japan have received environmental management system standard ISO 14001 certification.

Daikin Industries, Ltd. Domestic Group Certificate Number. EC99J2044

About ISO 14001-ISO 14001 is the standard defined by the

nternational Organization for Standardization (ISO) relating to environmental management systems Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities

DAIKIN INDUSTRIES, LTD.

Head Office:

Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan

Tokvo Office:

JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/global/

©All rights reserved Printed in Japan 05/06/003 Y.K.

•The specifications, designs, and information in this brochure are subject to change without notice

Printed on 100% recycled paper with soy ink.



VAM-GJ SERIES

HRV

HEAT RECLAIM VENTILATION

Combined Air Conditioning and Ventilation for Energy Efficiency and Comfort

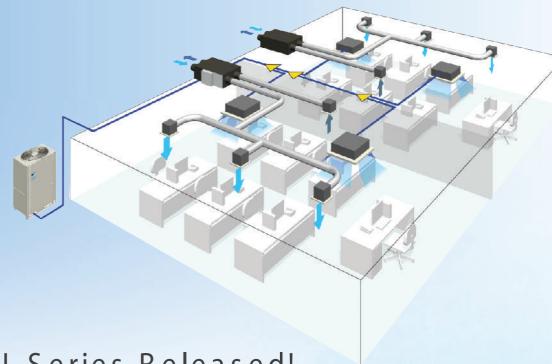


Centralized Control of Air Conditioning and Ventilation by Interlocking with Daikin's VRV system, SkyAir, and Other Air Conditioning Systems

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 to 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.



VAM-GJ Series Released!

9 Models to Choose From!

Improved Enthalpy Efficiency*1

Higher External Static Pressure*2

Enhanced Energy Saving Functions

- ★1 For models: VAM150/250/350/650/800/1000/2000GJVE
- ★2 For models: VAM150/350/500GJVE

Daikin air conditioner Indoor unit

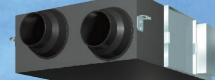


- · ON/OFF signal
- · Cooling/Heating mode signal
- Set temperature signal
- Ventilation signal
- · Humidifier ON/OFF signal

TRANSING TO A MARKET TO A MARK

LCD remote controller for indoor unit

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



HRV

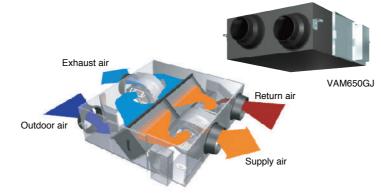
Model Lineup

Model Carico	Air flow rate (m ³ /h)									
Model Series	150	250	350	500	650	800	1000	1500	2000	
VAM-GJ										

Features of Daikin HRV

VAM-GJ Series

This series provides higher enthalpy efficiency,* due to the greatly enhanced performance of the new ultra-thin film element. Furthermore, improved external static pressure*2 offers more flexibility for installation. Along with these three improvements, Daikin's exclusive function -nighttime free cooling operation-contributes to energy conservation and more comfortable space.



★1 For models: VAM150/250/350/650/800/1000/2000GJVE ★2 For models: VAM150/350/500GJVE

Enthalpy efficiency drastically improved!

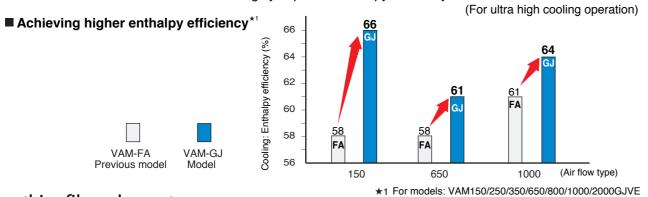
Introduction of ultra-thin film element significantly increases enthalpy efficiency!

Enthalpy efficiency improved



Adoption of the ultra-thin film element leads to highly improved enthalpy efficiency.

VAM-G.I



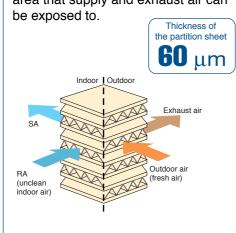
_Ultra-thin film element

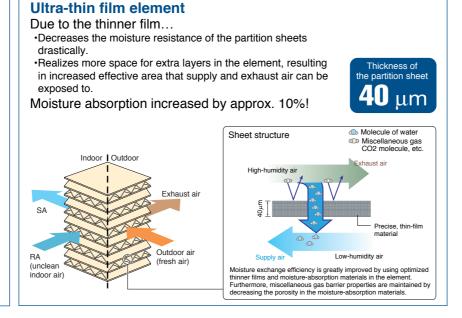
VAM-FA Previous model

The partition sheet in the heat exchanger element has been significantly upgraded. It is approximately two-third thinner than the conventional type, resulting in a great improvement in moisture absorption!

Previous element (FA model)

Moisture absorption is less effective due to the thickness of the partition sheets. It also limits the effective area that supply and exhaust air can



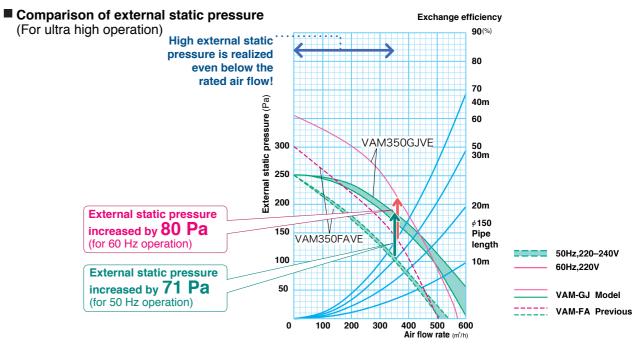


Higher external static pressure

External static pressure has been significantly increased by adopting a new type of fan.*2

High external static pressure design adopting efficient fan performant Improv

Improvements to the fan, including the use of multi-arc blades and optimized fan sizes, help boost efficiency



★2 For models: VAM150/350/5

Energy conservation and comfortable air space

Nighttime free cooling operation

Air conditioning sensible heat load reduced by approx. 5%

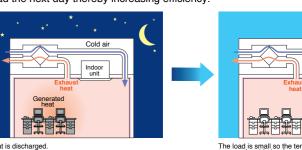
Nighttime free cooling operation is an energy-conserving function that works at night when air conditioners are off. By ventilating rooms containing office equipment that raises the room temperature, nighttime free cooling operation reduces the cooling load when air conditioners are turned on in the morning. It also alleviates feelings of discomfort in the morning caused by heat accumulated during the night.

•Nighttime free cooling operation only works to cool and if connected to Building Multi or VRV systems. ·Nighttime free cooling operation is set to "off" in the factory settings, so if you wish to use it, request your dealer to turn it on.

■ No operation

■ Nighttime free cooling operation

The indoor accumulated heat is discharged at night. This reduces the air cond load the next day thereby increasing efficiency.



*Interlocked operation with an ai

Air Conditioning Load Reduced by Approximately 30%

- 1. Approximately 20% by operating in total heat exchange mode (in comparison with normal ventilation fans)
- 2. Another approximately 8% gained by auto-ventilation mode changeover switching
- 3. Yet another approximately 2% by pre-cool, pre-heat control
- The above values may vary according to weather and other environmental conditions at the location of the machine's installation.
- The above values are based on the following conditions;

Application: Tokyo office building

Building form: 2 floors above ground, 6 floors underground, floor area 2,100 m²

Personnel density: 0.25 person/m²

Ventilation volume: 25 m³/h

Indoor air conditioning level: summer 25°C 50% RH, intermediate seasons 24°C 50% RH, winter 22°C 40% RH

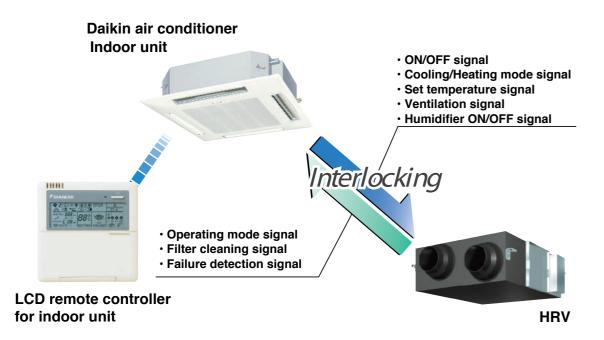
Operating time: 2745 hours (9 hours per day, approx. 25 days per month)

Calculation method: simulation based on "MICRO-HASP/1982" of the Japan Building Mechanical and Electrical Engineers Association.

Interlocking



The HRV is interlocked to 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.

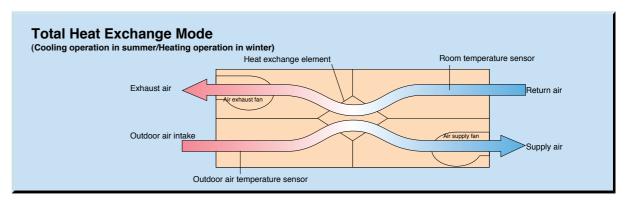


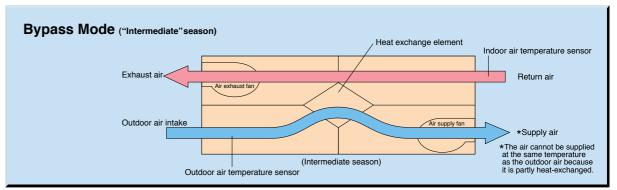
Pre-cool, Pre-heat Control

Reduces air conditioning load by not running the HRV while air is still clean soon after the air conditioner is turned ON.

Auto-ventilation Mode Changeover Switching

Automatically switches the ventilation mode (Total Heat Exchange Mode/Bypass Mode) according to the operating status of the air conditioner.

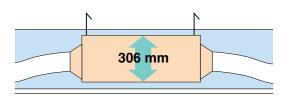




Compact equipment

With a height of just 306 mm, the unit easily fits in limited spaces, such as above ceilings.

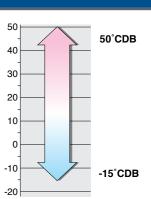
* In case of VAM500GJVE



Cold climate compatible: Standard operation

Standard operation at temperatures down to -15°C

The 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.



Centralized Control of Air Conditioning and Ventilation

The operation of the air conditioner using the remote controller is interlocked to the operation of the HRV, greatly simplifying overall system operation. In addition, installation work associated with the HRV remote controller is not necessary because operations for air conditioning and ventilation are completely centralized on the air conditioner remote controller. Also, the use of such a centralized remote controller allows the user to choose a wide range of control systems that integrate air conditioning and ventilation. Furthermore, by using a variety of centralized control equipment, the user can build a large, high-grade centralized control system.

Operations and Control with the Air Conditioning Remote Controller

- · Simultaneous ON/OFF of the HRV and indoor unit air conditioner
- Independent operation of the HRV
- Airflow rate switching (initial setting)
- Ventilation mode switching
- Self-diagnosis functions
- · Filter sign display and reset
- Timer settings (simultaneous control with air conditioner)
- Pre-cool, pre-heat control settings (initial setting)
- Fresh-up mode switching (Selectable: supply rich mode, exhaust rich mode; Initial setting)



BRC1C62

A Variety of Control Systems That Can Be Controlled Using Only the Air Conditioner Remote Controller

■Group Control

One air conditioner remote controller simultaneously controls up to 16 air conditioner and HRV units.

■2-Remote-Controller Control

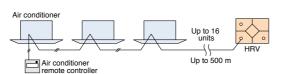
Allows control of air conditioner and HRV units from two places by connecting two air conditioner remote controllers. (Group control possible)

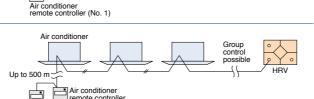
■Long-distance Remote Control

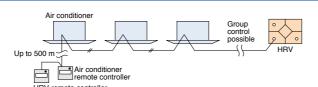
Operation control from afar, i.e., a distant control room, is possible thanks to wiring of up to 500 m. (Group control and 2-remote-cntroller control possible)

■ Control with 2 Remote Controllers (for HRV and Air Conditioner)

System with dual use of the HRV remote controller and air conditioner remote controller can be achieved. Changes in initial setting functions are always possible. (Group control possible)







Centralized Control System

By combining the (optional) centralized control equipment below, the user can achieve a wide range of comprehensive centralized control systems for air conditioning and ventilation.

Centralized Controller (DCS302CA61)

- One unit can operate and monitor up to 64 groups (128 units) of HRV and air conditioner units individually or in batch.
- Allows the user to divide connected HRV or air conditioner units into zones (up to 64) and control any or all of them.
- Two units of this controller can be linked, thereby allowing centralized control of up to 128 groups (128 units).
- Centralized control from two places is possible using two units of this controller.
- Ventilation volume and mode can be controlled for Heat Reclaim Ventilation.



Unified ON/OFF Controller (DCS301BA61)

- One unit can turn ON/OFF up to 16 groups (128 units) of HRV and air conditioner units individually or in a batch.
- Lamps display operation and failure status of the connected HRV and air conditioner units.
- Up to 8 units can be linked to allow centralized control of up to 128 units



Schedule Timer (DST301BA61)

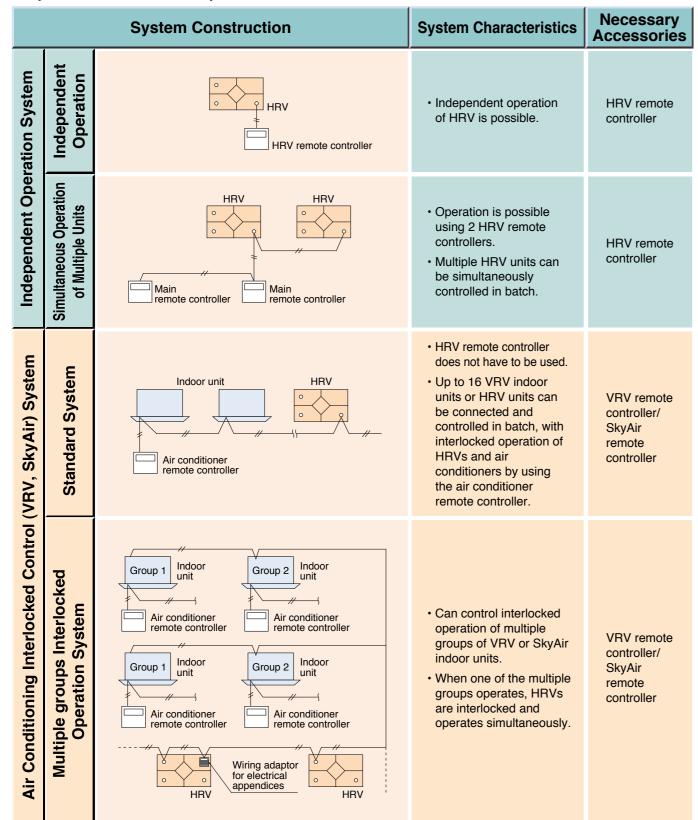
- One unit can control the operation of up to 128 HRV and air conditioner units on a weekly schedule.
- Can set two ON/OFF operations per day for a period of one week.

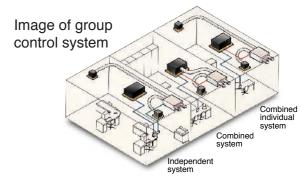


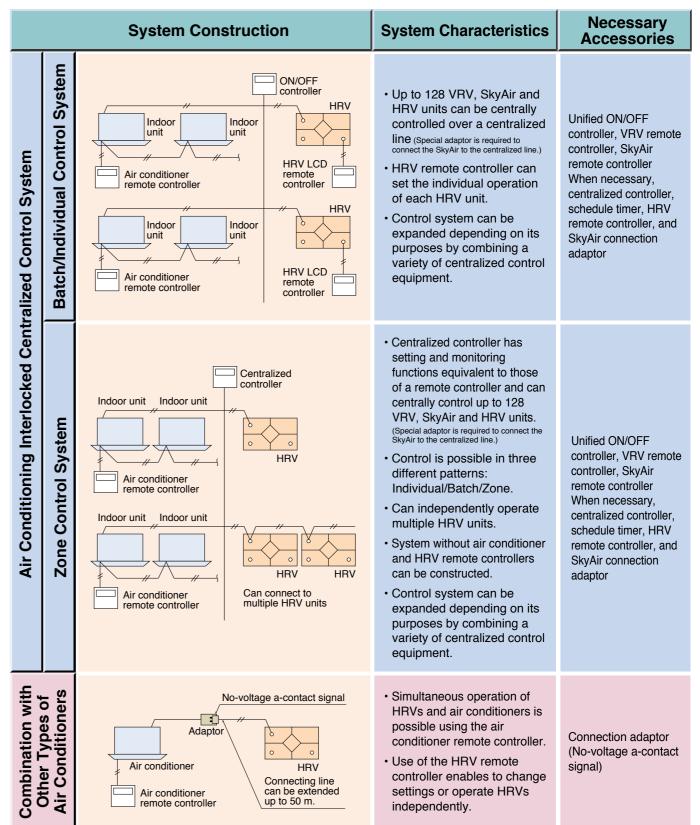
Number of units that be connected per sy	
Centralized controller	2 units
Unified ON/OFF controller	8 units
Schedule timer	1 unit

Various Control Systems According to Applications and Conditions

Major HRV Control Systems

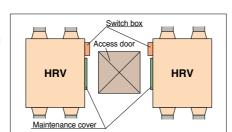






_Simple Design and Construction

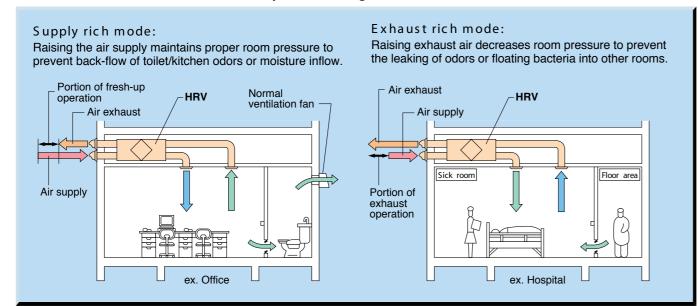
- With only one 450-mm square inspection aperture, maintenance and heat exchange element replacement can be performed with ease.
- The unit can be installed upside down in accordance with the conditions of the location.



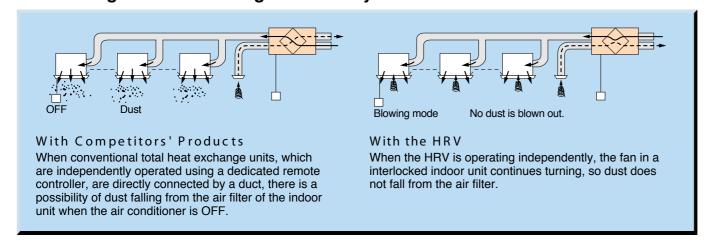
Clean

■ Fresh-up Operation

The user can select between two fresh-up modes using the remote controller.



■ Preventing Dust from Falling with Directly Mounted Ducts



■ A sign is displayed on the remote controller when the air filter needs cleaning.

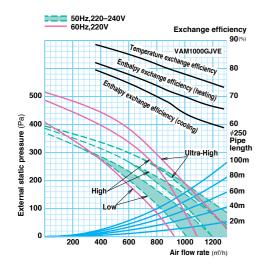
Model Line Up

VAM-GJ VE Series VAM350GJVE VAM150GJVE VAM250GJVE 50Hz,220-240V 60Hz,220V VAM500GJVE VAM650GJVE VAM800GJVE 50Hz,220-240V 60Hz,220V 50Hz,220–240V 60Hz,220V

VAM-GIVE Series

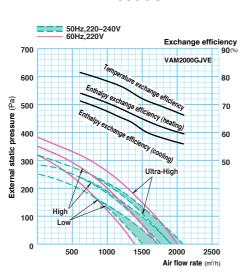


VAM1000GJVE



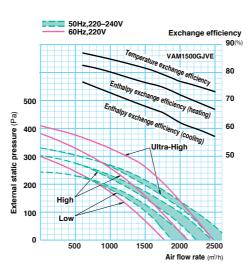


VAM1500GJVE



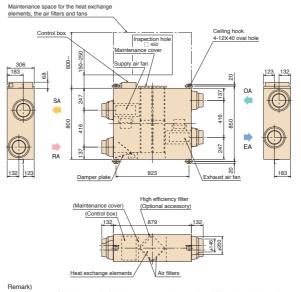


VAM2000GJVE



Dimensions

VAM350GJVE

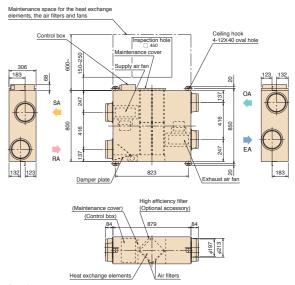


- Remark)

 1. Be sure to provide the inspection hole (450X450 mm) to inspect the air filters, the exchange elements
- and fans.

 2. It is possible to install the high efficiency filter on the SA face side of heat exchange element.

VAM500GJVE



- Remark)

 1. Be sure to provide the inspection hole (450X450 mm) to inspect the air filters, the exchange elements
- and fans.

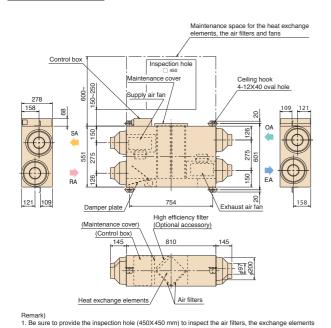
 2. It is possible to install the high efficiency filter on the SA face side of heat exchange element.

Dimensions

SA: Supply air to room RA: Return air from room

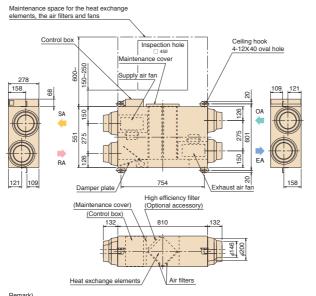
OA: Fresh air from outdoors (Outdoor air) EA: Exhaust air to outdoors

VAM150GJVE



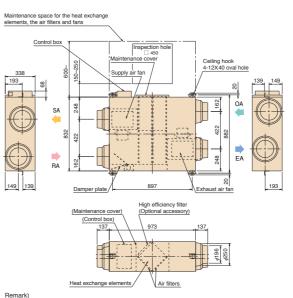
and fans.It is possible to install the high efficiency filter on the SA face side of heat exchange element.

VAM250GJVE



Remark) 1. Be sure to provide the inspection hole (450X450 mm) to inspect the air filters, the exchange elements and fans. 2. It is possible to install the high efficiency filter on the SA face side of heat exchange element.

VAM650GJVE

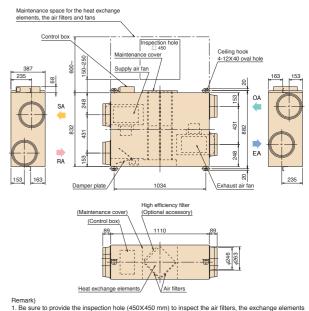


- Remark)

 1. Be sure to provide the inspection hole (450X450 mm) to inspect the air filters, the exchange elements and fans.

 2. It is possible to install the high efficiency filter on the SA face side of heat exchange element.

VAM800GJVE



14

and fans.

2. It is possible to install the high efficiency filter on the SA face side of heat exchange element.

Maintenance space for the heat exchange elements, the air filters and fans VAM1000GJVE

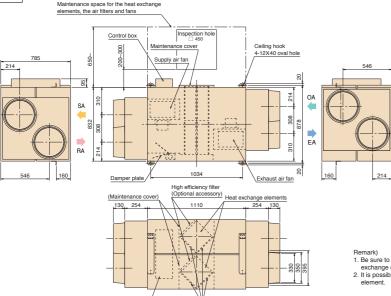
Heat exchange elements

- Remark)

 1. Be sure to provide the inspection hole (450X450 mm) to inspect the air filters, the
- exchange elements and fans.

 2. It is possible to install the high efficiency filter on the SA face side of heat exchange

VAM1500GJVE

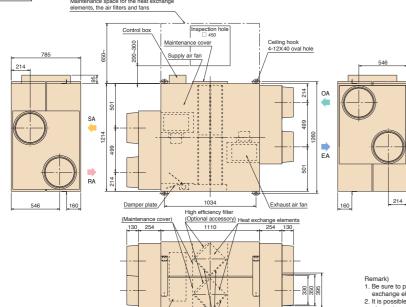


- Remark)

 1. Be sure to provide the inspection hole (450X450 mm) to inspect the air filters, the
- exchange elements and fans.

 2. It is possible to install the high efficiency filter on the SA face side of heat exchange

VAM2000GJVE



Be sure to provide the inspection hole (450X450 mm) to inspect the air filters, the

Specifications

Models			VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE			
Power	r Supply			VE: 1 phase, 220-240V/ 220V,50Hz/ 60Hz										
Temp.	. Exchand	ge	Ultra-High	79/79	75/75	79/79	74/74	75/75	72/72	78/78	72/72	77/77		
Efficie	ncy (%)	5-	High	79/79	75/75	79/79	74/74	75/75	72/72	78/78	72/72	77/77		
[50Hz	/60Hz]	HzJ		84/85	79/79	82/82	80/80.5	77/77.5	74/74.5	80.5/81	75.5/76	79/81		
			Ultra-High	72/72	71/71	70/70	67/67	67.5/67.5	65/65	70/70	65/65	72/72		
Enthal		For Heating	High	72/72	71/71	70/70	67/67	67.5/67.5	65/65	70/70	65/65	72/72		
Enthal Excha			Low	76/76.5	74/74	77/77	74/74.5	71.5/72	67.5/68	72.5/73	67/67.5	75/76		
	ncy (%)		Ultra-High	66/66	63/63	66/66	55/55	61/61	61/61	64/64	61/61	62/62		
[5UHZ	/60Hz]	For Cooling	High	66/66	63/63	66/66	55/55	61/61	61/61	64/64	61/61	62/62		
			Low	70/70.5	66/66	70/70	59/59.5	64/64.5	64/64.5	68.5/69	64/64.5	66/67		
			Ultra-High	27-28.5/28.5	27-29/29	31.5-33/33	33-35.5/34	34-36/36	39-40.5/39.5	39.5-41.5/39.5	39.5-41.5/41.5	41.5-43.5/42		
	Heat Excha	Exchange	High	26-27.5/27.5	26-27.5/28	30-31.5/30	31.5-34/32	33-34.5/34	37-39.5/37.5	37.5-39.5/37.5	37.5-39.5/39.5	39-43/40		
	d Level	Mode	Low	20.5-21.5/21	21-22/21	23-25/23	25-28.5/24	27.5-29.5/28	35-37.5/34	35-37.5/34.5	35-37.5/36	36-39/39		
dB(A) [50Hz	Hz/60Hz]	Bypass Mode	Ultra-High	28.5-29.5/29.5	28.5-30.5/30.5	33-34.5/34.5	34.5-36/35.5	35-37.5/37.5	40.5-42/41	40.5-42.5/40.5	41-43/42.5	43-45.5/44		
			High	27.5-28.5/28.5	27.5-29/29.5	31.5-33/31.5	33-34.5/33.5	33-35.5/35.5	38.5-40/39	38.5-40.5/38.5	39.5-41/41.5	40.5-45/42		
		Wiode	Low	22.5-23.5/22	22.5-23/22.5	24.5-26.5/24.5	25.5-28.5/25.5	27.5-30.5/29.5	36-38.5/35.5	36-38.5/35.5	36.5-38/37.5	37.5-39.5/41		
Casing	 g			Galvanized steel plate										
Insula	tion Mate	erial		Self-extinguishable polyurethane foam										
Dimen	nsions (H	xWxD)	mm	278x81	10x551	306x87	79×800	338x973x832	387x1,111x832	387x1,111x1,214	785x1,619x832	785x1,619x1,214		
Weigh	nt		kg	2	4	32		45	55	67	129	157		
Heat E	Exchange	System		Air to air cross flow total heat (Sensible heat+latent heat) exchange										
Heat E	Exchange	Element N	/laterial	Specially processed nonflammable paper										
Air Filt	ter			Multidirectional fibrous fleeces										
1	Гуре			Sirroco fan										
			Ultra-High	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000		
	Air Flow 1 50Hz/601	Rate (m³/h)	High	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000		
Fan -	,00.12.00.	,	Low	100/95	155/155	230/230	320/295	500/470	700/670	860/840	1,320/1,260	1,720/1,580		
	External S	Static	Ultra-High	120/154	70/96	169/222	105/150	85/125	133/170	168/192	112/150	116/140		
F	Pressure (Pa) [50Hz/60Hz]		High	106/131	54/65	141/145	66/52	53/67	92/85	110/86	73/72	58/32		
[Low	56/60	24/20	67/30	32/18	35/38	72/61	85/60	56/50	45/45		
	Motor Output kW		kW	0.03	0x2	0.09	0.090x2 0.140x2			80x2	0.280×4			
Connection Duct Diameter mm				φ100	ϕ	150	φ2	200	φ:	250	φ	350		
Unit a	Unit ambient condition -15°C~+50°CDB. 80%RH or less													

- Note: 1. Sound level is measured at 1.5m below the center of the body. 2. Air flow rate can be changed over to Low mode or High mode.
- Sound level is measured in an anechoic chamber.
 Sound level generally become greater than this value depending on the operating conditions, reflected sound, and peripheral noise.
 The sound level at the air discharge port is about 8 dB higher than the unit's sound level.
 The specifications, designs and information given here are subject to change without notice.
- 6. Temperature Exchange Efficiency is the mean value between cooling and heating.7. Efficiency is measured under the following conditions:
- Ratio of rated external static pressure has been maintained as follows; outdoor side to indoor side = 7 to 1.
- 8. In conformance with JIS standards (JIS B 8628), operating sound level is based on the value when one unit is operated, with the value converted for an anechoic chamber. This is transmission sound from the main unit, and does not include sound from the discharge grille. Thus it is normal for the sound to be louder than the indicated value when the unit is
- 9. Sound level from the discharge port causes the value to be approximately 8 dB (models with the air flow rate of less than 150 to 500 m³/h) to approximately 11 dB (models with the air flow rate of 650 m³/h or more) greater than the indicated value. Furthermore, fan rotation and noise from the discharge grille may increase depending on the on-site duct resistance
- conditions. Please consider noise countermeasures when installing the unit.

 10. With large models in particular (1500 and 2000 m³/h models), if the supply air (SA) grille is installed near the main unit, the noise of the main unit may be heard from the discharge grille via the duct, and this will result in a marked increase in noise. In such cases, if peripheral effects are included (such as reverberation of the floor and walls, combination with other equipment, and background noise), sound level may be as much as 15 dB higher than the indicated value. When installing a large model, please provide as much separation as possible between the main unit and the discharge grille. If the equipment and discharge grille are near each other, please consider countermeasures such as the following:

 -Use a sound-muffling box, flexible duct and sound-muffling air supply/discharge grilles
- Decentralized installation of discharge grilles

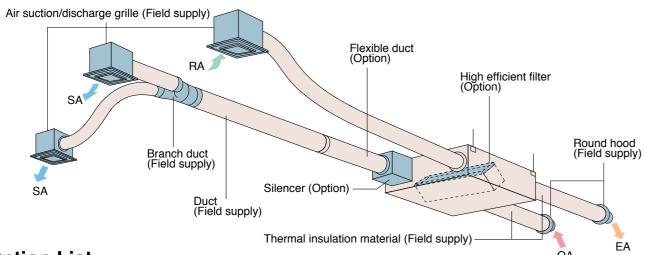
 11. When installing in a location with particularly low background noise such as a classroom, please consider the following measures to avoid transmission sound from the main unit: Use of ceiling materials with high sound insulating properties (high transmission loss)
 Methods of blocking sound transmission, for example, by adding sound insulating materials around the bottom of the sound source.
- Alternatively, consider supplementary methods such as installing the equipment in a different location (corridor, etc.)

exchange elements and fans.

2. It is possible to install the high efficiency filter on the SA face side of heat exchange

Option

Installation of Optional Products (For VAM150GJVE. VAM250GJVE. VAM350GJVE. VAM650GJVE. VAM800GJVE. VAM1000GJVE. VAM1000GJVE. VAM1500GJVE. VAM2000GJVE.)



Option List

N	Member Applicable model			VAM150 · 250 · 350 · 500 · 650 · 800 · 1000 · 1500 · 2000 GJVE											
	HF	RV remote	controller	BRC301B61											
	Ce	entralized	Central remote controller		DCS302CA61										
			Unified ON/OFF controller		DCS301BA61										
a	device Schedule timer				DST301BA61										
device		Wiring ac	aptor for electrical es		KRP2A61										
		For humi	difier	KRP50-2											
	8	Installatio	n box for adaptor PCB	KRP50-2A90 (Mounted electric component assy of HRV)											
1	(∢	For heate	r control kit		BRP4A50										
Controlling	PC Board	For wiring	Type (indoor unit of VRV)	FXC-L FXCQ-M	FXF-L FXFQ-M	FXK-L FXKQ-MA	FXD-P FXD-N FXDQ-P FXDQ-NA	l .	FXM-L FXMQ-MA	FXH-L FXHQ-MA	FXA-L FXAQ-MA	FXYB-K	FXYD-KA	FXL-L FXLQ-MA FXN-L FXNQ-MA	FXUQ-MA
			KRP1B61★	KRP1B59★	KRP1B61	KRP1B56★	KRP	1B61	KRP1B3	ı		KRP1B6	1	_	
	Installation box for adaptor PCB☆		Note 2, 3 KRP1B96	Note 2, 3 KRP1D98	_	Note 4, 6 KRP1B101	Note 5 KRP4A91	_	Note 3 KRP1C93	Note 2, 3 KRP4A93	-	Note 5 KRP1B100	_	KRP1B97	

- Note: 1. Installation box ★ is necessary for each adaptor marked ★.

 2. Up to 2 adaptors can be fixed for each installation box.
- 4. Up to 2 installation boxes can be installed for each indoor unit.
- Installation box is necessary for second adaptor
- Applicable model VAM150GJVE VAM250GJVE VAM350GJVE VAM500GJVE VAM650GJVE VAM800GJVE VAM1000GJVE VAM1500GJVE VAM250GJVE VAM250GJVE Member KDDM24B50 KDDM24B100 KDDM24A100X2 Nominal pipe diameter (mn φ 200 φ 250

∣ë	High eff	iciency filter	KAF24	2G25M	KAF242G50M K		KAF242G65M	KAF242G80M	KAF242G100M	KAF242G80MX2	KAF242G100MX2
8	← Air filter	for replacement	KAF241G25M		KAF241G50M		KAF241G65M	KAF241G80M	KAF241G100M	KAF241G80MX2	KAF241G100MX2
Fle	exible duct (1)	K-FDS101C	K-FDS151C		K-FDS201C		K-FDS251C				
Fle	Flexible duct (2m)		K-FDS102C	S102C K-FDS152C		K-FDS202C			K-FDS	S252C	
Di	ct adaptor					_				YDFA	\25A1
וטע	ici auapiui	Nominal pine diameter (mm)								φ 2:	50





Centralized controller







HRV Remote Controller

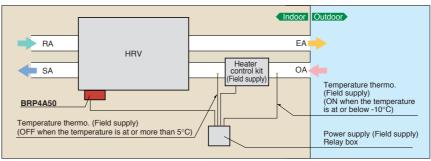


(Noise suppression type)



PC board adaptor for heater control kit (BRP4A50)

When the installation of an electric heater is required in a cold region, this adaptor with an internal timer function eliminates the complicated timer connecting work that was necessary with conventional heaters.



Notes when installing

- Examine fully an installation place and specification for using the electric heater based on the standard and regulation of each country.
- Supply the electric heater and safety production devices such as a relay and a thermostat, etc of which qualities satisfy the standerd and regulation of each country at site.
- Use a non-inflammable connecting duct to the electric heater. Be sure to allow 2m or more between the electric heater and HRV for safty.
- For the HRV units, use a different power supply from that of the electric heater and install a circuit breaker for each.