

MODEL			VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE			
Power Supply			1-phase, 220-240 V/220 V, 50 Hz											
Temp. Exchange Efficiency	Ultra-High	%	79	75	79	74	75	72	78	72	77			
	High	%	79	75	79	74	75	72	78	72	77			
	Low	%	84	79	82	80	77	74	80.5	75.5	79			
Enthalpy Exchange Efficiency	For Heating	Ultra-High	%	72	71	70	67	67.5	65	70	65	72		
		High	%	72	71	70	67	67.5	65	70	65	72		
		Low	%	76	74	77	74	71.5	67.5	72.5	67	75		
	For Cooling	Ultra-High	%	66	63	66	55	61	61	64	61	62		
		High	%	66	63	66	55	61	61	64	61	62		
		Low	%	70	66	70	59	64	64	68.5	64	66		
Sound Level	Heat Exchange Mode	Ultra-High	dB(A)	27-28.5	27-29	31.5-33	33-35.5	34-36	39-40.5	39.5-41.5	39.5-41.5	41.5-43.5		
		High	dB(A)	26-27.5	26-27.5	30-31.5	31.5-34	33-34.5	37-39.5	37.5-39.5	37.5-39.5	39-43		
		Low	dB(A)	20.5-21.5	21-22	23-25	25-28.5	27.5-29.5	35-37.5	35-37.5	35-37.5	36-39		
	Bypass Mode	Ultra-High	dB(A)	28.5-29.5	28.5-30.5	33-34.5	34.5-36	35-37.5	40.5-42	40.5-42.5	41-43	43-45.5		
		High	dB(A)	27.5-28.5	27.5-29	31.5-33	33-34.5	33-35.5	38.5-40	38.5-40.5	39.5-41	40.5-45		
		Low	dB(A)	22.5-23.5	22.5-23	24.5-26.5	25.5-28.5	27.5-30.5	36-38.5	36-38.5	36.5-38	37.5-39.5		
Casing			Galvanised steel plate											
Insulation Material			Self-extinguishable polyurethane foam											
Dimensions (HXWXD)	mm	278x810x551			306x879x800			338x973x832	387x1,111x832	387x1,111x1,214	785x1,619x832	785x1,619x1,214		
Machine Weigh	kg	24			32			45	55	67	129	157		
Heat Exchange System			Air to air cross flow total heat (Sensible heat + latent heat) exchange											
Heat Exchange Element Material			Specially processed nonflammable paper											
Air Filter			Multidirectional fibrous fleeces											
Fan	Type	Sirocco fan												
	Airflow Rate	Ultra-High	m ³ /h	150	250	350	500	650	800	1,000	1,500	2,000		
		High	m ³ /h	150	250	350	500	650	800	1,000	1,500	2,000		
		Low	m ³ /h	100	155	230	320	500	700	860	1,320	1,720		
	External Static Pressure	Ultra-High	Pa	120	70	169	105	85	133	168	112	116		
		High	Pa	106	54	141	66	53	92	110	73	58		
		Low	Pa	56	24	67	32	35	72	85	56	45		
Motor Output	kW	0.030x2			0.090x2			0.140x2			0.280x2		0.280x4	
Connection Duct Diameter	mm	φ 100	φ 150			φ 200			φ 250			φ 350		
Unit ambient condition			-15°C—50°CDB, 80%RH or less											

Note: 1. Sound level is measured at 1.5 m below the centre of the body.

2. Airflow rate can be changed over to Low mode or High mode.

3. Sound level is measured in an anechoic chamber.

Sound level generally becomes greater than this value depending on the operating conditions, reflected sound, and peripheral noise.

4. The sound level at the air discharge port is about 8 dB(A) higher than the unit's sound level.

5. 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 8528), 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 actually installed.

9. Sound level from the discharge port causes the value to be approximately 8 dB(A) (models with the airflow rate of less than 150 to 500 m³/h) to approximately 11 dB(A) (models with the airflow 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(A) 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

-Decentralised 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.)