

MODEL	VL-500CZPVU2-R-EG
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Heat exchange system	Heat recovery ventilating system		
Heat exchanger material	Sensible heat exchanger		
Cladding	Steel sheet		
Heat insulation material	Polyethylene foam		
Motor	DC motor		
Blower	230mm diameter centrifugal fan		
Filter	Polypropylene + Polyester [ ISO Coarse 90%(ISO16890:2016), G4 class (EN779:2012)]		
Pipe guide	Synthetic resin		
Outside air condition	Shall be higher than -15°C		
Return(Suction) air condition	Shall be lower than 40°C, 95%RH		
Surrounding air condition	Indoor temperature and humidity should not exceed the dew point temperature 12°C (e.g. RH60% / 20°C)		
Supply fan operation under low outdoor temperature	-3°C to -15°C : Intermittent operation -15°C or less : Supply air fan stop	※Exhaust air fan continuous operation	
Function	Heat recovery ventilation/ Bypass ventilation, Fan speed 1,2,3,4 The air flow increment by 1% from 25% to 100%		
Dimensions (Height x Width x Depth)	632mm x 725mm x 556mm		
Weight	39kg		
Electrical power supply	220-240V~ 50Hz / 220V~ 60Hz		
Insulation resistance	10MΩ or more		
Dielectric strength	AC 1000V 1 minute		
Maximum current [A]	2.3		

■ Specification

Ventilation mode	Heat recovery mode			
	Fan Speed 4 (100%)	Fan Speed 3 (70%)	Fan Speed 2 (50%)	Fan Speed 1 (30%)
Fan speed				
Running current [A]	1.69	0.77	0.40	0.20
Input power [W]	255	104	49	21.5
Air volume	[m <sup>3</sup> /h]	450	305	210
	[L/s]	125.0	84.7	58.3
External static pressure [Pa]	200	98	50	18
Temperature exchange efficiency [%]	85	87	89	92
Sound pressure level @3m [dB]	37	29	22	15 >
ErP Class	A+			

■ Attention

1. The above values are at factory default.
2. The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.
3. The sound pressure level at 3m is spherical.
4. Temperature exchange efficiency (%) is based on winter condition.
5. Mitsubishi Electric measures figures in the chart according to EN13141-7:2021.
6. The sound pressure level is calculated using the sound power level.  
The sound power level measurement is performed according to ISO3744 with hemi-anechoic chamber.

SPECIFICATIONS	※Specification may be subject to change without notice.			
	DATE	TYPE MODEL	Heat Recovery Ventilator LOSSNAY VL-500CZPVU2-R-EG	
	16-Oct-23	NUMBER	N21SGGD0013	1/6