Ventilation | Product Information

Lossnay VL-CZPVU-R/L-E

Residential Series

The VL-CZPVU-R/L-E Residential Lossnay range of Mechanical Ventilation with Heat Recovery (MVHR) units create an environment of constant clean and healthy air at home.



These systems are designed to continuously extract from bathrooms, kitchens, toilets and utility rooms where air can become polluted, whilst supplying a balanced flow of fresh air from the outside to spaces such as bedrooms and living rooms.

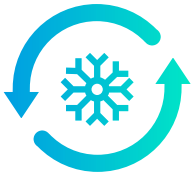


The Lossnay unit minimises energy loss by recovering the heat from the extracted air and transferring this to the supplied fresh air.

Designed to be as quiet as possible, these Lossnay models are perfect for residential homes and apartments where occupants can enjoy all the benefits of ventilation without even knowing the unit is running.

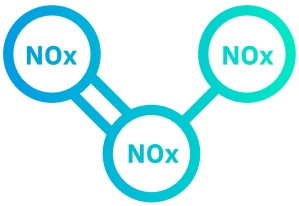


Built-in full bypass function



This function allows the unit to bring in fresh air from outside without recovering the heat. This can be ideal for cooling down a dwelling that's overheated during the day when the outside temperature has dropped in the evening. Using temperature sensors, the unit can automatically enter bypass mode when it detects the space is hotter than desired and the outside air is cool enough.

Third Filter Slot



A third filter slot can incorporate an optional NOx filter on the supply air side to clean the air even in the most polluted environments. Having the filter built into the unit itself provides easy access for regular maintenance.

Built-in LCD Controller



The LCD controller allows easy control and commissioning of the unit with a clear display showing normal, boost, and purge modes. Up to 4 speed settings can be commissioned digitally in percentage increments to ensure constant and accurate settings.



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The perfect fresh air solution
for residential dwellings

Key Benefits

- Ultra quiet noise levels ensure minimal disturbance
- Optional filters placed within the MVHR unit for particulate matter and NOx allow for improved indoor air quality
- Full summer bypass function with auto mode and settable temperature parameters enable customisable control
- Digital controller included for ease of commissioning and operation
- Fan boost signal via live switch or volt-free contact, with settable delay and overrun timers
- Cloud control enables remote monitoring and control
- Suitable for use in individual homes or in multi-residential apartment applications



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MODEL		VL-250CZPVU-R/L-E	VL-350CZPVU-R/L-E	VL-500CZPVU-R/L-E	VL-520CZPVU-R/L-E
AIRFLOW (l/s)	30% - 50% - 70% - 100%	21-35-49-69	27-44-62-89	42-69-97-139	42-69-97-139
EXTERNAL STATIC PRESSURE (Pa)	30% - 50% - 70% - 100%	14-38-74-150	14-38-74-150	18-50-98-200	18-50-98-310
SOUND PRESSURE LEVEL (dBA)*1	30% - 50% - 70% - 100%	<15-16-22-31	<15-19-26-35	<15-22-29-37	<15-22-29-39
DIMENSIONS (mm)	Width x Depth x Height	563 x 595 x 386	623 x 658 x 462	632 x 725 x 586	632 x 725 x 586
WEIGHT (kg)		26	32	39	39
ELECTRICAL POWER SUPPLY		220-240V 50Hz			
MAX RUNNING CURRENT (A)		1.0	1.32	2.3	2.4
SUMMER BYPASS		Full Bypass			
SPIGOT DIAMETER (mm)		125	150	160 / 180	160 / 180
STANDARD FILTER (ISO 16890:2016/EN779:2012)	Outside Air	Coarse 55% / G3			
	Return Air	Coarse 55% / G3			
OPTIONAL FILTER(S)	Supply Air	NOx 90%			
	Outside Air	ePM2.5 50%			

Note: *1 *Sound pressure level dB(A) level at 3m calculated from sound power spectrum. Full sound power spectrum at duty conditions available for breakout and in-duct upon request.

ACCESSORIES		VL-250CZPVU-R/L-E	VL-350CZPVU-R/L-E	VL-500CZPVU-R/L-E	VL-520CZPVU-R/L-E
CP-500CM-L/R Cooling Module		-	-	✓	✓
Remote controller cover and cable extension kit		P-RCC-E	P-RCC-E	P-RCC-E	P-RCC-E
Filters	Replacement Coarse 55% / G3 filter	P-250F-E	P-350F-E	P-500F-E	P-500F-E
	ePM_{25} 50% / M6 filter	P-250PF-E	P-350PF-E	P-500PF-E	P-500PF-E
	NOx 90% supply air filter	P-250NF-E	P-350NF-E	P-500NF-E	P-500NF-E
Duct attenuators	Acoustic top box	P-250SB-E	P-350SB-E	P-500SB-E	P-500SB-E

SAP 10 PCDB data

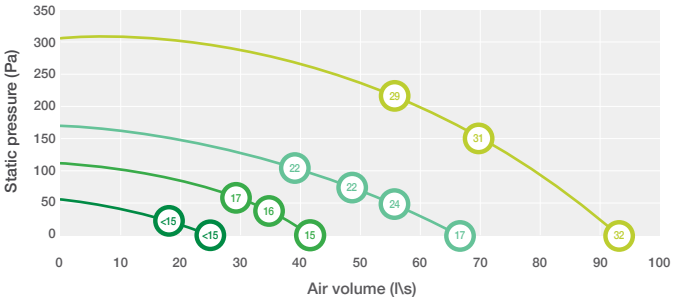
	VL-250CZPVU-R/L-E		VL-350CZPVU-R/L-E		VL-500CZPVU-R/L-E		VL-520CZPVU-R/L-E	
	SFP W/(l/s)	Heat exchange efficiency (%)	SFP W/(l/s)	Heat exchange efficiency (%)	SFP W/(l/s)	Heat exchange efficiency (%)	SFP W/(l/s)	Heat exchange efficiency (%)
K + 1 (21 l/s)	0.62	90	0.86	90	0.80	91	0.80	87
K + 2 (29 l/s)	0.67	89	0.80	90	0.72	90	0.74	88
K + 3 (37 l/s)	0.79	88	0.84	89	0.74	90	0.76	88
K + 4 (45 l/s)	1.00	87	0.96	89	0.82	89	0.84	88
K + 5 (53 l/s)	1.19	87	1.08	88	0.91	88	0.94	87
K + 6 (61 l/s)	-	-	1.28	87	1.09	88	1.10	86
K + 7 (69 l/s)	-	-	-	-	1.24	88	1.27	86

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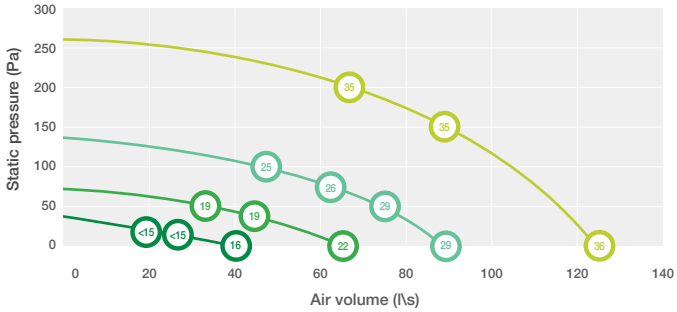
Performance curves and breakout sound data

*dB(A) level measured at 3m hemispherical. Full sound power spectrum available for breakout and in-duct upon request.

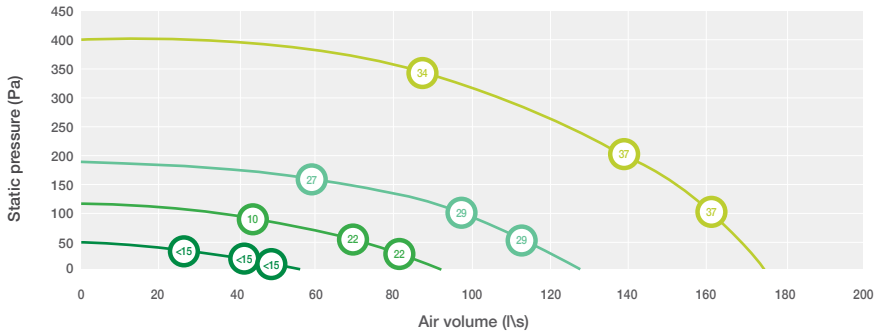
VL-250CZPVU-R/L-E



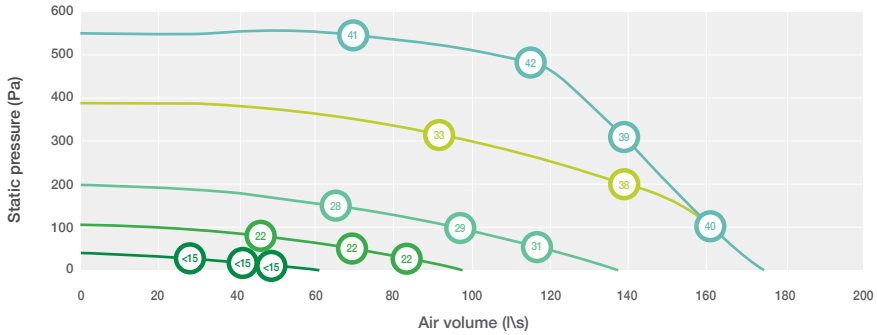
VL-350CZPVU-R/L-E



VL-500CZPVU-R/L-E



VL-520CZPVU-R/L-E



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Note: The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of June 2026

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