# Lossnay VL220 Ducted





The VL220 Lossnay is the ultimate home ventilation system, delivering fresh, clean air from outside rather than attic spaces. With its advanced sensible Diamond Heat Exchanger, it removes moisture and stale indoor air while efficiently recovering heat from outgoing air and damp areas like kitchens and bathrooms. This recovered heat is then used to pre-warm (or pre-cool) incoming fresh air, reducing the workload on your heating or cooling system to effortlessly maintain the desired room temperature.

# **Key Features**



## Improved Air Quality for a Healthier Home

Enhance your home's air quality by introducing fresh outdoor air while effectively removing  $CO_2$ , odours, and other pollutants.



## **Retains Heat**

Lossnay's unique Heat Recovery Technology collects up to 86% of the heat energy from outgoing air to pre-warm or pre-cool the fresh air vented in.



## **Energy Efficient**

Incoming fresh air is pre-warmed so your heating system isn't required to work as hard to reach the desired temperature. This is highly energy efficient, and can help reduce heating bills.



## Quietest in its Class\*

At an ultra quiet 14dBA in low fan speed, the Lossnay VL220 is the quietest system in its class.

\*Operating on fan speed 1, measured at 1.5m under panel.

# **Balanced Pressure Heat Recovery Ventilation**

Lossnay is a Fresh Air Heat Recovery Ventilation System that captures and filters outdoor air (not attic air) to replace stale indoor air, creating a healthier, drier, and warmer home. Its patented Heat Exchanger sets it apart, enabling exceptional heat recovery and delivering key benefits.

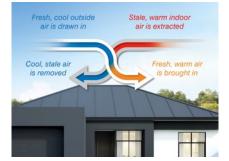




VL-220CZGV-E 64 I/s of air

# Key Lossnay Ventilation Benefits

- Brings fresh filtered air in
- Removes stale air
- Reduces moisture build-up
- Improves air quality for better health and wellbeing
- Efficient heat recovery that pre-warms or pre-cools incoming air

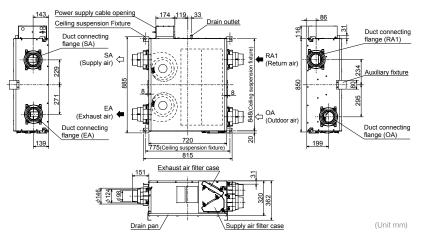


# Specifications

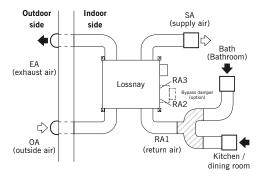
Filter Options		Optional Upgrade		
Model	Standard Filter	Medium Grade	Higher Grade	
	<b>G3</b> (P-220F-E)	<b>G4**</b> (P-220EMF-E)	<b>M6**</b> (P-220SHF-E)	
VL-220CZGV-E				
Contains	4	-	-	
Requires	4	1 pair*	1 pair*	

\* Optional filters when installed will replace Standard filters. \*\* Optional filter upgrades should be installed exclusively in the Supply Air (SA) or Outdoor Air (OA) streams, while standard filters should be maintained in the Return Air (RA) stream. Please refer to the Installation Manual on Techview for more details.

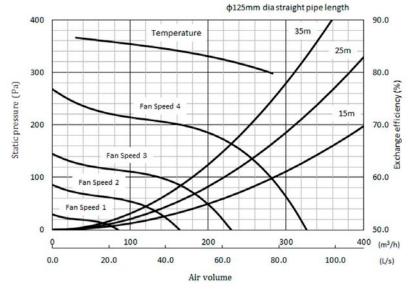
### Dimensions



## Sample Installation

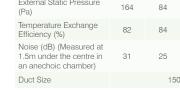


## **Characteristic Curve**



Please note: When deciding on the best place to position the Lossnay Ventilation System, care needs to be taken to not have incoming air intake near or close to a wood burner flue.

For more information please visit our website or call our Customer Service Team. www.mitsubishi-electric.co.nz | 0800 784 382



### **Details**

Туре		Lossnay - Residential				
Model		VL-220CZGV-E				
Ventilation Modes		Heat Recovery Mode				
Heat Exchange System		Air to Air Sensible Heat Exchanger				
Heat Exchange Element Material		Specially Treated Non-permeable Resin Core				
Surrounding Air Condition		Between 0°C and 40°C, 80%RH or less				
Return (Suction) Air Condition		Up to 40°C, 95%RH				
Supply Fan Operation Under Low Outdoor Temperature		0°C to -5°C: Intermittent operation 24 min ON, 6 min OFF5°C or less: Continuous supply air stopped.				
Weight (kg)		31				
Electrical Power Supply		220-240 V / 50Hz 220V / 60 Hz				
Fan Speed		Fan Speed 4	Fan Speed 3	Fan Speed 2	Fan Speed 1	
Input Power (W)		80	35	18.5	8.5	
Air Volume	(m³/h)	230	165	120	65	
	(L/s)	64	46	33	18	
External Static Pressure (Pa)		164	84	44	13	
Temperature Exchange Efficiency (%)		82	84	85	86	
Noise (dB) (Measured at 1.5m under the centre in an anechoic chamber)		31	25	19	14	
Duct Size		150mm				

#### PUBLISHED DEC 2024

## PLEASE LOOK AFTER THE ENVIRONMENT AND RECYCLE



Black Diamond **Technologies Limited** 



**Exclusive New Zealand** Partner Since 1981

