MITSUBISHI ELECTRIC

Ducted In-Line Ventilation Fans

Low Noise Energy Efficient High Volume Air Extraction

Quietest In-Line Fan Range in New Zealand*

*Measured at 1.5m from the side of the unit: Ducting attached.

Mitsubishi Electric Ducted In-line Fans

Sturdy, very quiet and reliable, the Mitsubishi Electric range of Centrifugal In-Line Fans are the ideal ventilation solution for a wide range of commercial and domestic applications including living rooms, toilets, changing rooms, meeting rooms, offices, storage areas and heat transfer systems. Low operation noise, high volume air extraction and energy efficient air displacement are the results of the enhanced air duct design engineers have developed for the in-line range.

Why Ventilate?

Buildings are becoming more and more airtight, therefore good ventilation is a crucial factor to ensure the indoor air quality is at an acceptable standard – Ignored, this will allow for the build-up of airborne pollutants including; odours, bacteria, dust and harmful gases. An unventilated dwelling can lead to occupant irritation, discomfort and potentially health threatening issues.

Quietest In-line Fan Range in NZ![*1] - High Airflow with Low Noise

The advanced air duct design allows air to be distributed evenly either side of the fan and in doing so reduces the noise of the unit. The in-line fan can maintain a high air flow rate while operating down to a low 18.5 dBA[*2]. The in-line fan sits between ductwork, allowing the unit to be installed away from the extraction point, decreasing noise heard by the occupant, ideal for environments that are noise sensitive such as meeting rooms, offices, libraries and living rooms, or when there is limited space above the extraction point.

Versatile and Sturdy Design

Equipped with adjustable mounting brackets and removable duct spigots these make for a convenient and versatile install. The sturdy design gives options for both roof cavity and ceiling exposed mounting.

Heat Transfer

The in-line fan can also be utilised as a heat transfer system. These systems work by utilising excess heat created from the main heating source (heaters, fireplaces) and distributing that heat to desired rooms and or cooler areas of the home. A heat transfer system creates a more even and comfortable temperature throughout the home and reduces the need for additional heating sources throughout the home. Operating down to as low as 18.5 dBA[*2] and tucked away in the roof cavity the system is virtually silent and out of sight with only the grille visible.

Please note, we do not recommend installing a heat transfer system if the heating source is a heat pump.

[*1] Measured at 1.5m from the side of the unit: Ducting attached.

[*2] V-15ZMW-E

Key Features

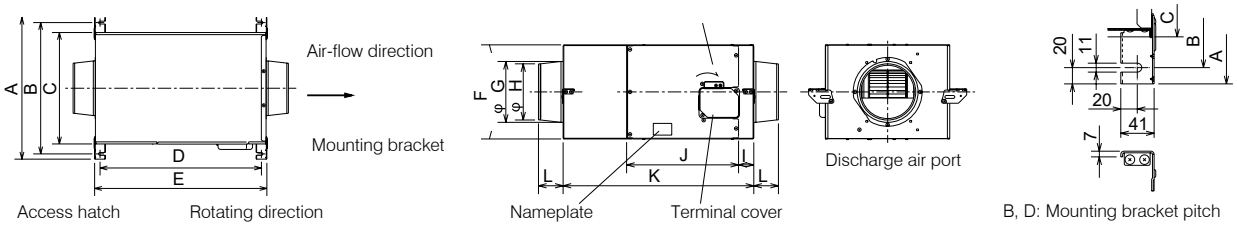
- High airflow, quiet operation
- Adjustable/removable mounting brackets
- Two speed selectable
- Galvanised steel casing
- Removable cover for easy maintenance
- Operating range -15 to 40°C / <90% Relative humidity
- All models are less than 260mm in height
- Quick connect power terminal
- Removable duct spigots
- Wool glass noise absorption pads*3
- Low power consumption

Typical Installation and Dimensions

Model	A	B	C	D	E	F	G	H	I	J	K	L
V-15ZMW-E	339	299	223	299	340	226	Ø 110	Ø 98	43	234	335	60
V-15ZMWP-E	339	299	223	299	340	226	Ø 160	Ø 142	43	234	335	70
V-18ZMW-E	371	331	255	353	394	255	Ø 160	Ø 142	51	291	389	70
V-18ZMWP-E	435	395	319	395	436	255	Ø 208	Ø 192	51	291	431	85

Dimensions in mm

■ Detail of mounting bracket



Specification Table

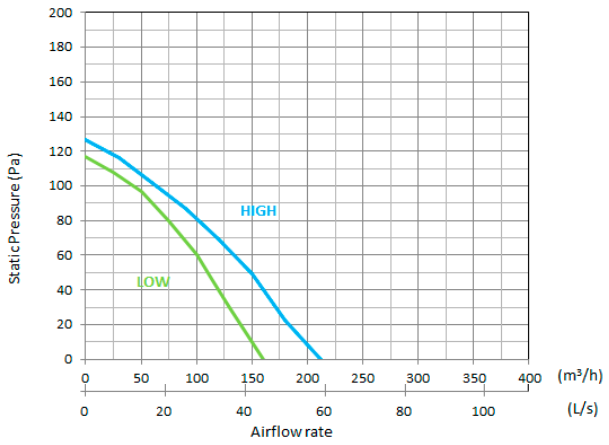
Model	Rated Voltage (V)	Frequency Notch (Hz)		Rated Current (A)	Power Consumption (W)	Airflow Rate (l/s / m3/h)	Noise (dBA)	Van Diameter (mm)	Connecting Duct (mm)	Weight (kg)
V-15ZMW-E	230	50	High	0.11	26	58 / 212	22	Ø 150	Ø 100	6
			Low	0.10	18	44 / 160	18.5			
V-15ZMWP-E	230	50	High	0.21	47	94 / 340	28	Ø 150	Ø 150	6
			Low	0.18	33	79 / 285	25			
V-18ZMW-E	230	50	High	0.28	64	143 / 515	32	Ø 180	Ø 150	8.5
			Low	0.24	36	105 / 380	27			
V-18ZMWP-E	230	50	High	0.47	105	215 / 775	33	Ø 180	Ø 200	9.5
			Low	0.46	84	184 / 665	31			

Operating Conditions	
Temperature	-15 to 40°C
Relative Humidity	<90%

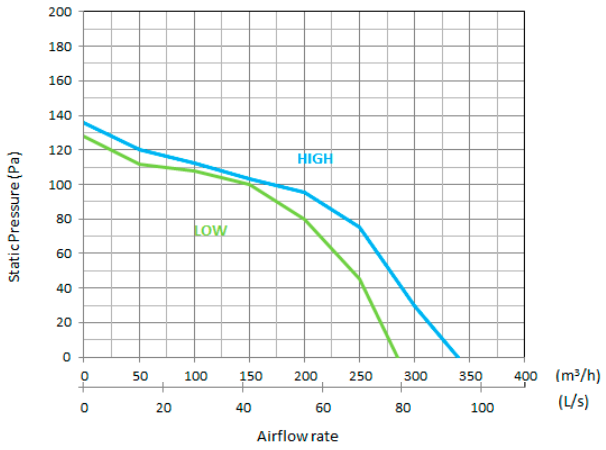
*3 V-18ZMWP-E only

Static Pressure Fan Curve

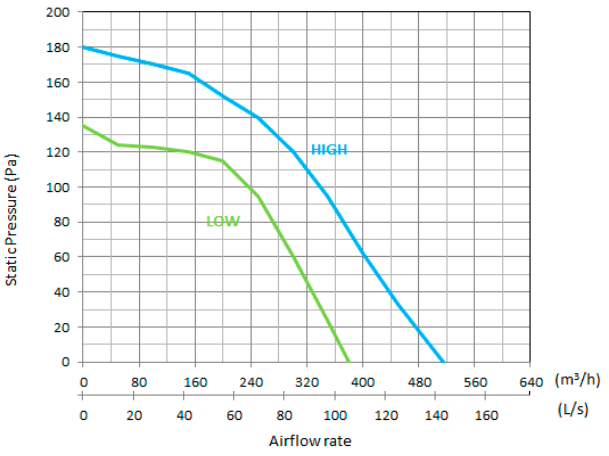
V-15ZMW-E



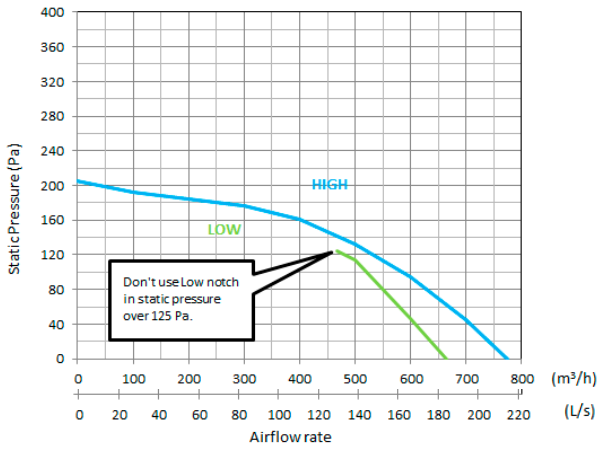
V-15ZMWP-E



V-18ZMW-E



V-18ZMWP-E



eco Changes **for a greener tomorrow**

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realisation of a sustainable society.

For more information please visit our website
or call our Customer Service Team.
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PLEASE LOOK AFTER THE ENVIRONMENT AND RECYCLE