



## Our Values



**Improving Energy Efficiency** using highly efficient products and superior system controls



**Maintaining Indoor Air Quality** through intelligent software designed specifically for NZ



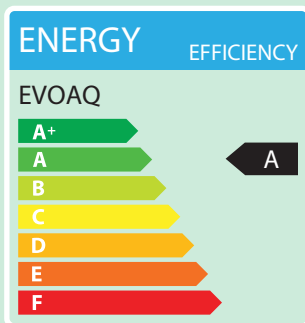
**On-Demand Ventilation** by monitoring air quality and ventilating as required

## Why Ventilation

Great indoor air quality is one of the essential requirements for your home and health.

Without proper ventilation, moisture and VOCs become trapped inside your home, creating the ideal environment for harmful organisms like mould and mildew to thrive and causing many long-term health effects.

EVOAQ ventilation works to continuously bring in filtered fresh air, reducing moisture and VOC levels and improving your health and wellbeing.



## Our System

Conventional ventilation systems adjust their operation by what is happening inside your house, with little regard for outside conditions. Our system differs because it looks at the air coming into the house; what is happening inside is just a guideline. Using locally developed complex algorithms, this is the only system able to learn and adapt to its environment, automatically adjusting its operation so you don't have to.

*EVOAQ ventilation systems are suitable for new houses and comply with G4 Building Code, ASHRAE 62.2, High-Density Housing & Healthy Homes.*



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EVOAQ Standard Ventilation	AQ60	AQ220	AQ300
House Size	Up to 60m <sup>2</sup>	Up to 220m <sup>2</sup>	Up to 400m <sup>2</sup>
Number of Rooms	1 - 3 Rooms	3 - 6 Rooms	6 - 9 Rooms
Fan Size	125mm	150mm	200mm
Voltage (V/Hz)	230/50	230/50	230/50
Power (W)	1 - 17	2 - 70	3 - 165
Air Flow (m <sup>3</sup> /hr)	63 ~ 284	65 ~ 647	63 ~ 1250
Static Pressure (Pa)	159	503	746
Noise (dB)	28	31	38
Speed (RPM)	250 - 2250	500 - 3000	500 - 3000
Weight (kg)	1.4	2.5	3.5
Specific Fan Power (W/Ls-1)	0.175	0.356	0.294



125MM MIXED FLOW FAN



150MM MIXED FLOW FAN



200MM MIXED FLOW FAN



VENTILATION CONTROLLER  
3-MODE ON-DEMAND ADJUSTMENT



HIGH VELOCITY CONE DIFFUSER  
100MM



EVOAQ PREMIUM FILTER BOX  
WITH PM2.5 AND HEPA FILTER

## Demand Controlled Ventilation

Our systems use DCV - the ventilation rate is automatically adjusted according to user demand and the quality of incoming air, using our built-in intelligent controller which constantly senses air quality to regulate the level of ventilation.

Our specialised software determines the correct fan speed based on established standards, to achieve high indoor air quality as well as maximum thermal comfort.

## Continuous Ventilation

By combining our DCV controls with highly energy-efficient EC fans, our systems can achieve high airflows when the outdoor air quality is good.

Most importantly, they can also achieve very low airflows when the outside air may affect the thermal comfort inside your house. This is how our systems are able to ventilate continuously, where most other systems would turn off.

*Available Upgrades - Summer Feature - Heat Transfer - Carbon Filter - Air Purification Box*