



AiroMatic

Product Desciption

A powered roof ventilator that combines inverter speed control technology with a low voltage electronic brushless motor to provide exceptional energy efficiency, high flow rate and low operational noise.

Applications

AiroMatic can be used in either variable or fixed speed modes for temperature or condenstation control of roof spaces.

Benifits

Automatically responds to roof space temperature conditions in order to maintain an optimal

ventilation rate and reduce energy consumption. This results in better performing insulation and a reduced heat load on ducted air conditioning.

In cooler climates, the AiroMatic allows for energy efficient ventilation to reduce the likelihood of roof space condensation.

Specification

"The roof ventilator shall be CSR Edmonds AiroMatic with inverter speed control technology, 24VDC electronic commutating motor, exhaust rate up to 647m³/hr and maximum noise 52.9dB(A)@1m."

SKU Table

AiroMatic	Material Code	Carton Size (L x W x H)	
Headland	112153	520 x 235 x 520 mm	
Night Sky	112154	520 x 235 x 520 mm	
Surfmist	112155	520 x 235 x 520 mm	
Woodland Grey	112156	520 x 235 x 520 mm	

Product Specifications

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General:		
Туре	Axial flow fan roof ventilator	
Fan diameter	230mm	
Throat diameter	250mm	
Product Weight	2.71kg	
Packaged Weight	4.45kg	
Roof Slope Installation Range	3° to 35°	
Material:		
Dome	Plastic (PMMA - Clear, High Impact)	
Housing	Plastic (ASA)	
Flashing	Aluminium (Soft)	
Fan & Motor Housing	Plastic (PP-TD30)	
Fan Impeller	Plastic (PA6-GF30)	
Screws	Steel - Zinc Plated	
Electrical: Power supply		
Туре	Electronic Switching Mode	
Input Voltage	100-240VAC, 1~, 50/60Hz	
Output	24 VDC	
Installation Location	Indoor, dry area	
Electrical: Fan motor		
Туре	Electronic Commutating (EC) Motor	
Internal Voltage	24 VDC	
Protection Class	IP54	
Cable Length	Approx 10m (see diagram)	



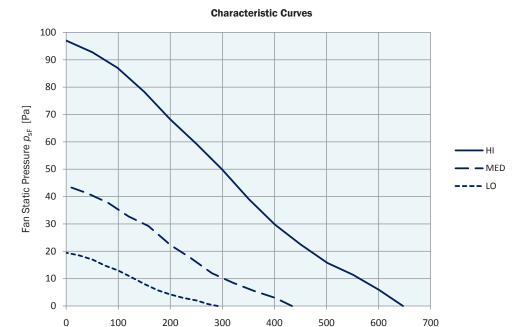
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Performance

Speed	Sound Pressure Level LA @ psF = 0 [dB(A)] **	Max. running power consumption [W] *	Flow rate qv @ psF = 0 [m³/hr]	Specific Flow rate @ psF = 0 [m³/hr/W]
LO	35.4	5.8	291	56
MED	45.1	15.6	434	31
HI	52.9	37	647	19

^{*} Primary side power consumption calculated by AS4665.1 using measured secondary side values.

^{**} Sound Pressure Level measured 1m from inlet.

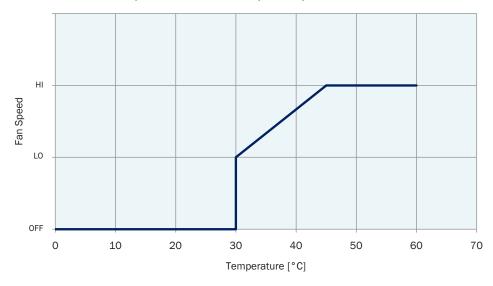


Automatic Speed Control Operation

Туре	Pre-set Temperature Sensing Electronic Speed Controller	
Input Voltage	24 VDC	
Installation Location	Dry indoor use only	
Fixed Speed Operation	3 fixed speeds (LO, MED, HI), manually selectable via rotary selector switch	
Automatic Variable Speed Operation Variable speed response relative to ambient temperature of speed controller location. Fan start speed when temperature reaches 30° C and then ramps up to HI speed at 45° C according following chart. Note: this mode is not recommended for condensation control applications.		

Flow Rate q_v [m³/hr]

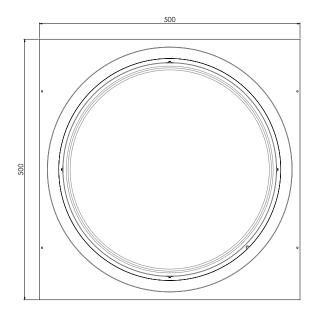
Speed Controller Variable Speed Response - Auto Mode



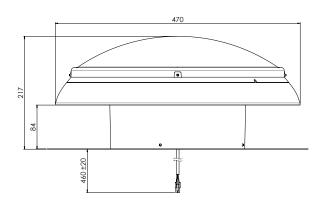
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Drawings

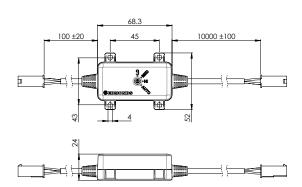
Top View



Front View



Speed Controller





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www.edmonds.com.au

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