

Fan Specifications

Model EVOMF/150EC

EVOAQ
for your Home & Health



Fan Features

- High-flow and high-pressure fan
- EC 3-Phase DC motor
- Re-engineered for New Zealand
- Bearing life rated for 50000 hours
- Main body removal for easy install
- Constant variable airflow
- Low voltage (0-10V) PWM control
- Internal thermal management control

MODEL	EVOMF/150EC
Fan Construction	ABS Plastic
Voltage	230 VAC
Frequency	50 Hz
Peak Current (A)	0.018 ~ 0.43
Fan Speed (RPM)	500 ~ 3000
Air Flow (m³/hr)	65 ~ 647
Air Flow (L/s)	17 ~ 180
Pressure (Pa)	503
Max Power (W)	70
Sound (dB(A) Av)	31
Max Operating Temp (°C)	60
IP Rating	IP44
Climate Class	T
Compliance	AS/NZS 60355.2.80 T
Fan Weight (kg)	2.1

ENERGY

EFFICIENCY

EVOAQ

EVOMF/150EC

A+

A

B

C

D

E

F

G

A

31
dB



647
m³/hr

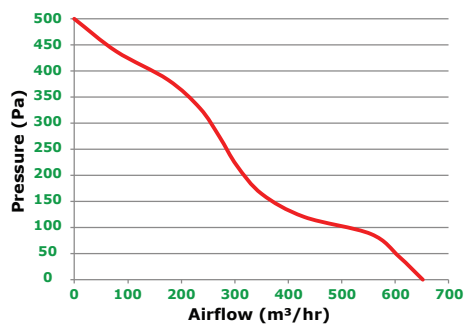


Model	Voltage (V/Hz)	Power (W)	Speed (RPM)	Airflow (m³/hr)
EVOMF/150EC	230/50	3 ~ 70	500 ~ 3000	65 ~ 647

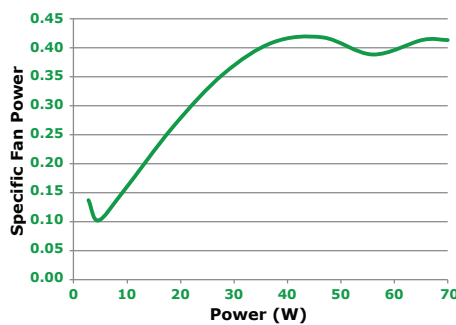
Specific Fan Power (SFP)

0.356 Watts per L/s

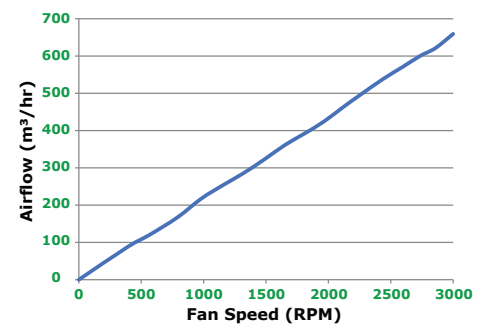
Performance Curve



Energy Curve



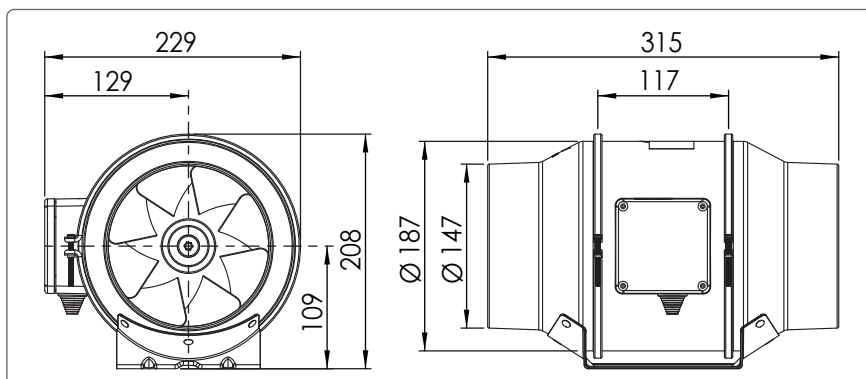
Flow rates RPM



Sound Performance Parameters

	dBa @ 3m	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total SPL
500 RPM	21.9	38	37	39	37	38	35	30	30	45.4
1500 RPM	36.2	47	46	54	55	53	49	32	38	59.7
3000 RPM	39.8	49	49	57	59	57	52	47	42	63.3

Fan Dimensions



For more information, visit www.evoaq.co.nz

Fan Specifications

Model EVOMF/150EC

EVOAQ
for your Home & Health

Fan Operation

This fan is designed to be continuously powered. It contains internal controls and sensors that determine the optimal speed for the fan at any given time. It is designed for use in homes with a fireplace heat source.

The smart in-built electronics are constantly monitoring the heat levels in the heat source room. The fan will vary its speed between very low and very high rates (10 - 100%) depending on how much excess heat is available and the operating fan rate set by the user on the wall controller, in order to transfer as much heat as possible without cooling down the heat source room.

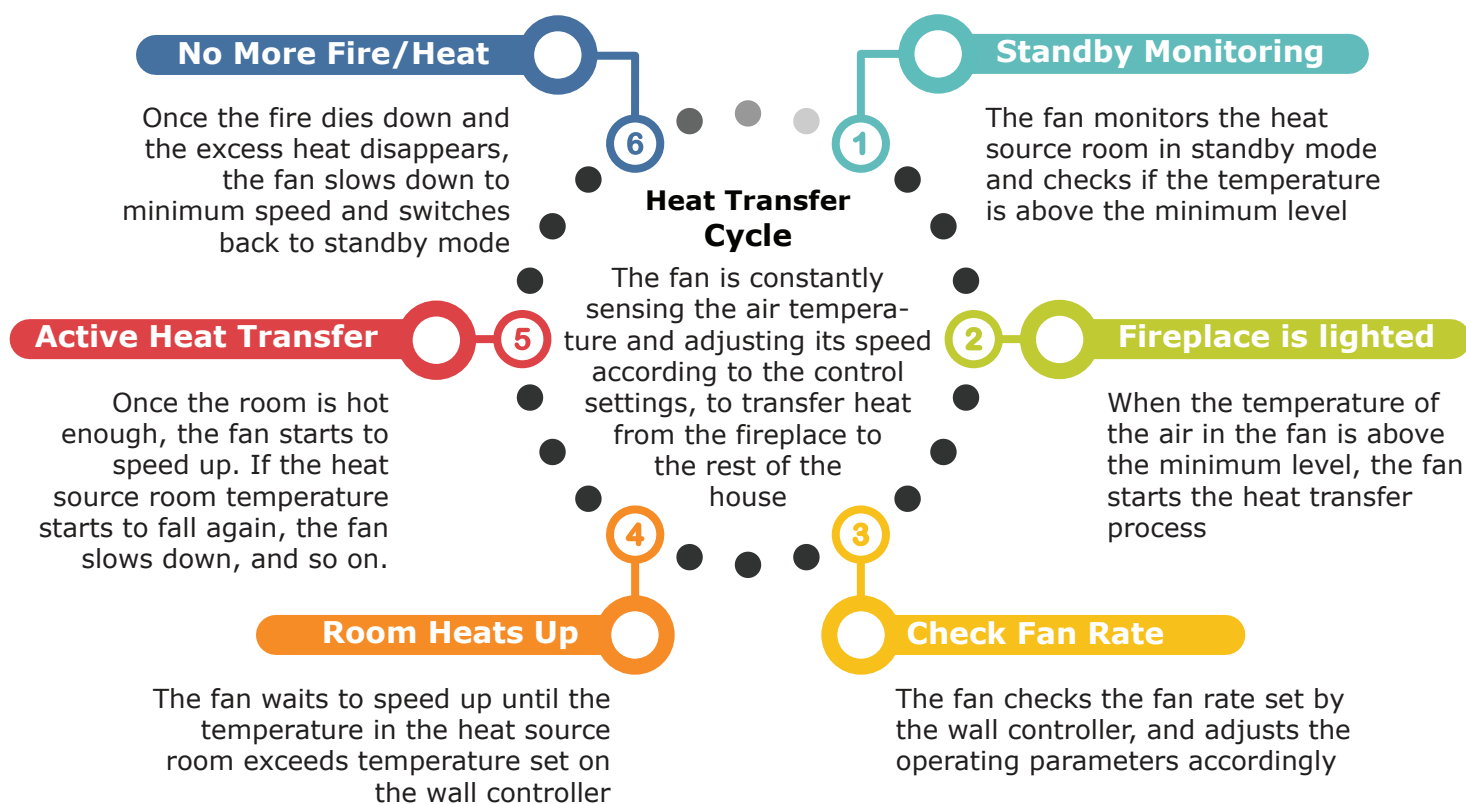
When the temperature in the heat source room falls below the set temperature on the wall controller, the fan continues running at low levels (10 - 30%) to make the most of any remaining heat in the room.

Once there is no more heat left to transfer, the fan switches to standby mode. During this mode it will only run at minimum speed until the heat source room has excess heat available again.

The system can also make use of heat from solar gain and heat pumps, but it will be less effective than heat from a fireplace.

PRODUCT MODEL	HT-MF150SF
Systems	AQHTR-2 and AQHTR-3
TRICKLE Speed	17 L/s
MAX Speed	180 L/s
Sensor Type(s)	Temperature
Wall Controller	Heat Transfer Type

Operation Diagram



Fan Specifications Sheet by EvolutionFX Limited

EvolutionFX reserves the right to change the specifications in this document at any time and without notice. Please contact EvolutionFX for the most current version of this document.

Email: info@evolutionfx.co.nz

Phone: +64 9 558 5590

For more information, visit www.evoaq.co.nz