

TH-ECOWATT

Low Energy Roof Mounted Mixed Flow Fans



* Note: 'E' rating only applicable to TH-500 ECOWATT as per RVU ERP Directive



About

Range of roof mounted mixed flow fans, with low energy consumption. All models incorporate a bird guard and base cable gland entry point as standard.

The motor and impeller casing can be easily removed by 2 fixing clamps.

Model 500:

Body injection moulded in thermoplastic material. Base and cowl made of sheet steel, protected against corrosion by black polyester coating.

Models 1300 and 2000:

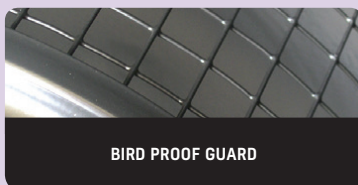
Body and base made of sheet steel with an aluminium cowl, all protected against corrosion by black polyester coating.

- ⊗ Bird guard and base cable gland entry point as standard
- ⊗ Supply or extract ventilation
- ⊗ Four sizes available
- ⊗ Metallic parts protected with black epoxy-polyester
- ⊗ Motor and impeller easily removed by two fixing clips
- ⊗ Motors IP44 rated
- ⊗ Standard Thermal Overload Protection (S.T.O.P.)
- ⊗ Wiring terminal box IP55 rated
- ⊗ Two speed motors with sealed for life ball bearings
- ⊗ 2 year warranty
- ⊗ Ease of cleaning and maintenance
- ⊗ Speed controllable
- ⊗ Complies with building regulations

Features

The models TH-500 and TH-800 are manufactured from high strength injection moulded plastic, whilst the TH-1300 and TH-2000 models are produced with high grade pressed sheet steel. All models incorporate a bird guard and base cable gland entry point as standard with an accessible flame retardant terminal box.

All metallic parts are protected with a black epoxy-polyester weatherproof paint coating. Circular spigot coupling facilitates the connection to circular, rigid or flexible ducting.



BIRD PROOF GUARD



CIRCULAR SPIGOT COUPLING



FLAME RETARDANT BOX

Motors

Models 500 and 800:

Brushless DC motor, high performance and low energy consumption, power supply: 90/260V-50/60Hz, IP44, ball bearings, thermal protection.

Models 1300 and 2000:

Brushless EC motor, high performance and low energy consumption, power

supply 230V±15% 50/60Hz, IP44, ball bearings, thermal protection. With a built in potentiometer to adjust the speed from 10 to 100%, analogue input to control the fan with a 0-10V signal. Working temperature from -20°C to +60°C.

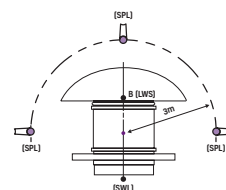
Additional Information

Supplied, in the standard version, as extractors. The motor and impeller casing can be removed and turned through 180° to provide supply air ventilation.

ORDER CODE >	TH 500 ECOWATT	TH 800 ECOWATT	TH 1300 ECOWATT	TH 2000 ECOWATT
Two Speed	•	•	•	•
S.T.O.P.	•	•	•	•
Speed Controllable	•	•	•	•
High Strength Injection Mould	•	•		
High Grade Pressed Sheet Steel			•	•

Acoustic Characteristics

The values of the sound levels given in the technical characteristics chart are sound pressure levels measured in dB(A) at a distance of 3m with the maximum airflow. To obtain the sound power level at A or B, for extract operation, add to the sound pressure level [SPL Extract] given in the technical characteristics chart, the correction value shown in the following table.



ORDER CODE	FREQUENCY BANDS HZ						
	125	250	500	1000	2000	4000	8000
TH 500 ECOWATT	A -7.5	-3	9	6	11	4	-2
	B -7.5	6	-13.5	-17.5	14.5	4.5	-3
TH 800 ECOWATT	A -7.5	3.5	8	9.5	14	9	0
	B -4	7.5	15	16	14.5	9	1.5
TH 1300 ECOWATT	A -13.5	0	1	12	9	4	0
	B -11	5.5	11.5	17.5	15	7	-0.5
TH 2000 ECOWATT	A -21.5	-7	-3	7	5.5	-2	-8.5
	B -16.5	2.5	7	20	7.5	1	-8



Did you know?

Indoor air pollution could be up to three times more noxious than outdoors, according to research from the University of Sheffield.



Our installation team are fully certified to current IEE wiring regulations, NICEIC and HVCA standards, giving you peace of mind and confidence that the highest level of quality will be achieved.



Talk to the experts. We have over 30 years' experience in design, manufacture and installation. Our dedicated technical team are on hand to advise you every step of the way.