Product Data Sheet

TRITON ELIX

Decentralised mechanical extract ventilation – dMEV

TRITON dMEV – Elix – ELX1003

- Energy efficient EC motor
- Provides low level continuous ventilation to control condensation
- 3 speed centrifugal fan
- Choice of 2 low speeds at installation
- For wall or ceiling
- For any domestic wet room
- Low noise levels and running costs
- Compliant with Building Regulations Parts L1 2010 and F2010

GENERAL FEATURES

- Exhausts directly to the outside or through long lengths of ducting (up to 15m)
- Runs continuously at pre-selected choice of two speeds (fixed at installation)
- Speed 1 operates at 8 l/s (factory set)
- Speed 2 operates at 14 l/s
- Anti-vibration gasket
- Easily removable, washable polypropylene filter
- Speed boosted to maximum (28 l/s) using integral pull cord or by:
  - Remote switch / light switch
  - PIR Sensor
  - DRH240 (dynamic remote humidistat)
- Energy saving ventilation
- **Extremely low running costs**
- Low carbon footprint
- 5 year warranty

TECHNICAL FEATURES

- Shockproof, high quality technopolymer casing
- Designed using latest wind tunnel techniology and CFD simulations
- Profile increases the fluid dynamics
- EC Induction motor with thermal protection
- 43,000 hour life motors with maintenance free and long life ball bearings
- Operates in ambient temperatures up to 40°C
- Double insulated – no earth required
- **IPX4 – Splashproof** rated – can safely be installed in Zones I and II

COMPLIES WITH

- Part L1 2010 of Building Regulations for enhanced energy saving capability
- Part F 2010 of Building Regulations for reliable, efficient ventilation
- IEC 60335-2-80, BT 2006/ 95/CE and EMC 2004 / 108 / CE European Directive against radio interference and electro-magnetic compatibility
- CE marked
- **SAP Q eligible**
- **Energy Saving Trust best Practice Compliant**

OTHER MODELS AVAILABLE:

- **ELX1003DT** – 3 speed, continuous running with comfort timer (timer does not activate unless fan has been running for 2 minutes to avoid unnecessary night-time operation) and pull-cord
- **ELX1003HDT** – with comfort timer, humidistat and pull-cord
- **ELX1003LV –** 3 speed, continuous running with pull-cord – LOW VOLT (SELV)
- **ELX1003DTLV** – 3 speed, continous running, with comfort timer, overrun timer and pull-cord LOW VOLT (SELV)
- **ELX1003HDTLV** – 3 speed, continous running, with comfort timer, humidistat and pull-cord – LOW VOLT (SELV)

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TECHNICAL CHARACTERISTICS						
Model	Airflow 1/sec			Power – Watts		
	Speed 1	Speed 2	Max	Speed 1	Speed 2	Max
ELX1003	8	14	28	2	3.2	16

All Results with Rigid Duct	RESULTS for SAP CALCULATIONS		RESULTS for Approved Document F		
Unit Configuration	Specific Fan Power (W/l/s)	BST Best Practice Performance Compliant	Flow Rate (l/sec)	Flow Rate – Wind condition (l/sec)	% reduction Of Total Flow Rate
In room – kitchen	0.22	Yes	13.0	12.9	1
In room – wetroom	0.16	Yes	8.0	7.8	3
Through wall – kitchen	0.17	Yes	13.0	12.9	1
Through wall – wetroom	0.14	Yes	8.3	8.1	2
Figures from BRE test results at minimum flow rate conditions					

TYPICAL SPECIFICATION

Supply and install a **TRITON ELX1003** high performance, energy efficient centrifugal fan which has been tested and is SAP Q Eligible and suitable for **ALL** domestic wet rooms as supplied by Triton Systems Ltd, Units 3-5 Crayford Commercial Centre, Greyhound Way, Crayford, Kent DA1 4HF.

The fan is to be suitable for installation either into a wall or ceiling (with the appropriate accessories) and to have an air intake around the whole perimeter and have a footprint of no more than 180mm square. The fan is to be continuous running at its low speed (with a choice of two lower speeds) and be capable of being boosted to maximum speed by means of an integral pull cord or (with the cord removed) a remote switch, PIR sensor or humidistat.

The fan should have a specific fan power (as tested to BRE) of no higher than 0.22w/l/s in a kitchen and 0.16w/l/s in a bathroom. The fan must not exceed 2.0w power consumption on the lowest speed.

The fan casing should be made of shock-proof, high quality technopolymer, and should have an EC induction motor with maintenance-free, long life ball bearings, and up to a 43,000 hour life. It should be protected with a thermal cut-out. The fan should be double insulated and be IPX4 splash-proof protected suitable for installation into Zones I and II.

The fan is to comply with IEC60335-2-80, lvd2006/95/CE and EMC2004/108/CE European Directive against radio interference and electro-magnetic compatibility, and be CE marked.

The fan should be 5 year manufacturer's warranty and be supplied with a user guide as required.

Only approved accessories should be used:

Wall Plates – as required
Wall terminations – all wall terminations must use the approved wall cowl or high rise kit.

Triton Systems can supply all accessories for use with these units, including fire dampers, air valves, ducting, outside grilles and wall cowls. Additionally, Triton Systems offers a design service to ensure that the unit installed is the best possible to provide efficient, effective, low energy and low running cost ventilation. Triton Systems can also organise installation, commissioning and maintenance of these products.

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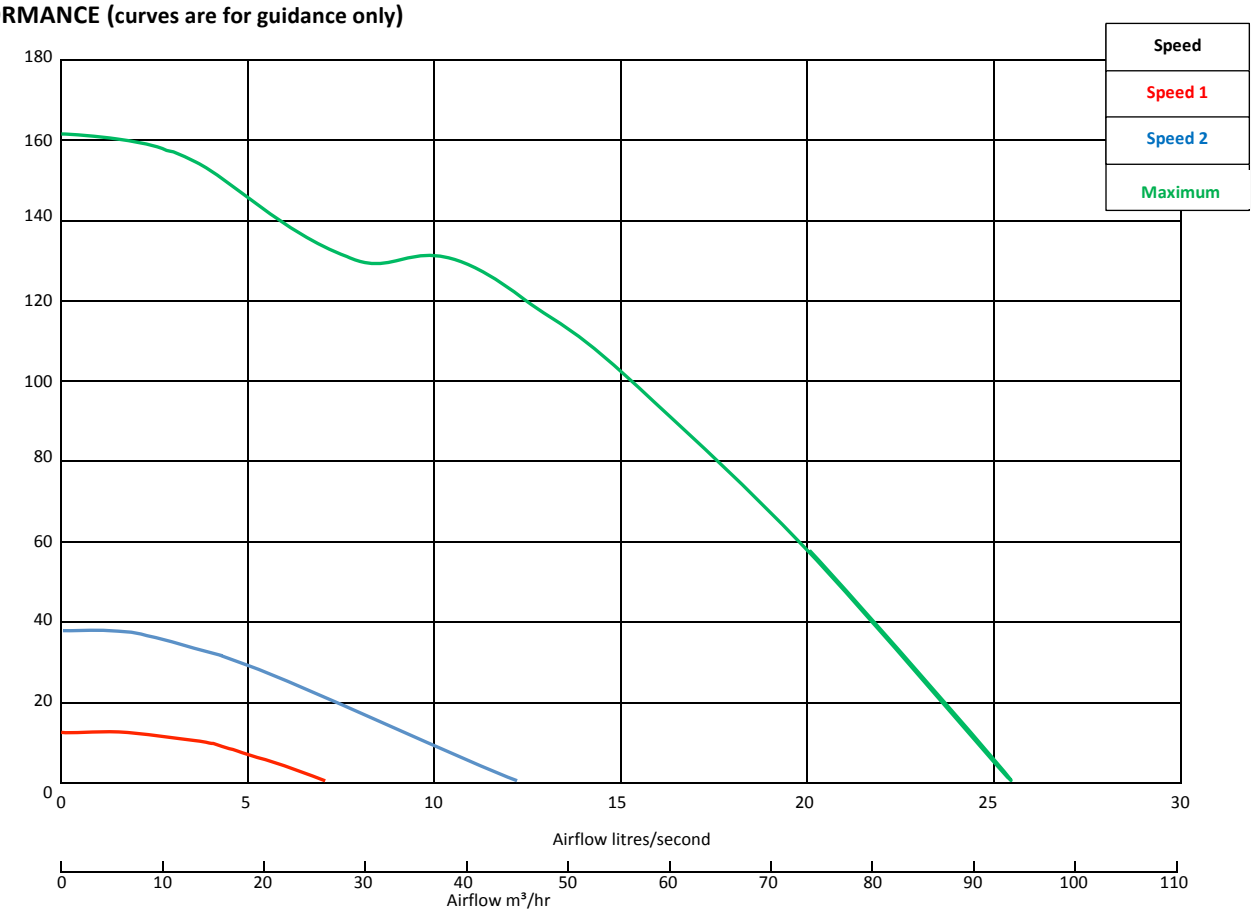
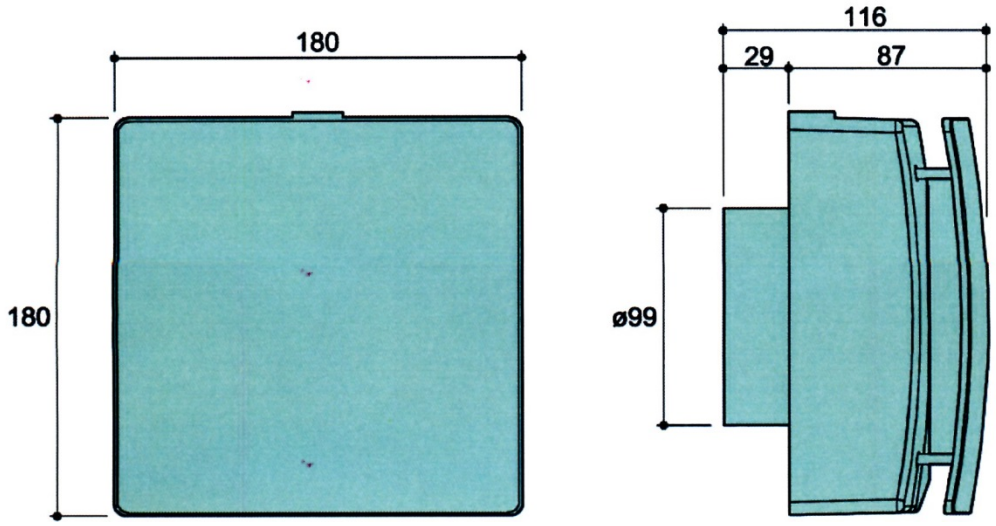
PERFORMANCE (curves are for guidance only)



DIMENSIONS - mm



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