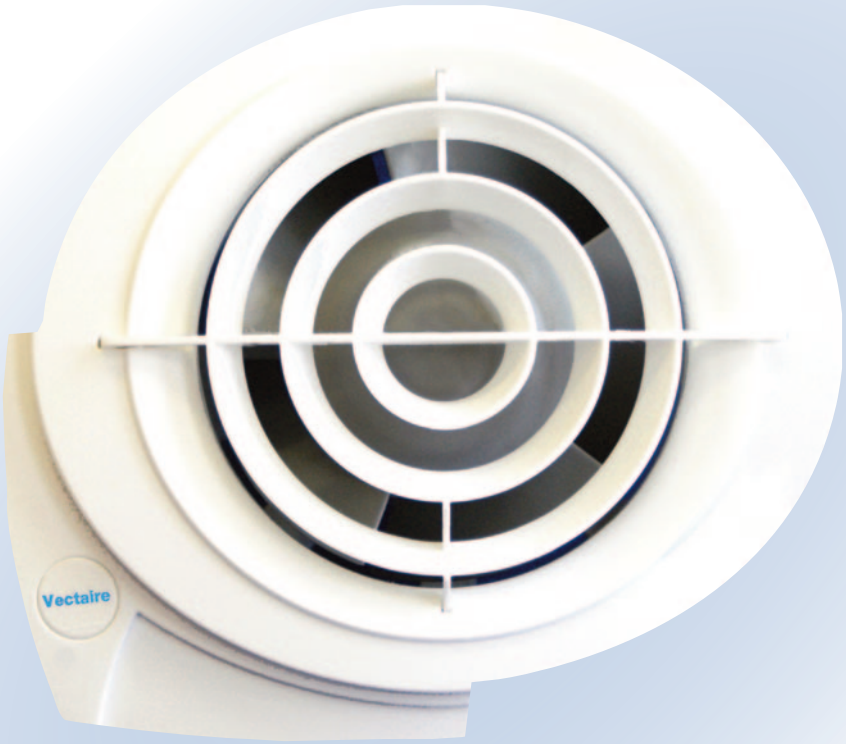
E-Smile - ES1003



E-Smile - ES1003

- provides low level continuous ventilation to control condensation
- 3 speed axial fan
- powerful low profile unit
- choice of two low speeds at installation
- wall or ceiling
- low noise levels
- low running costs
- for any domestic wet room
- complies with Building Regulations

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E-Smile - ES1003

GENERAL FEATURES

- exhausts directly to the outside or through medium length ducting
- sfp down to 0.37 W/l/s
- runs continuously at pre-selected choice of two speeds (fixed at installation)
- Speed 1 operates at 11 l/s (factory set)
- Speed 2 operates at 14 l/s
- speed boosted to maximum (21 l/s) using integral pull cord or by:
  - remote switch/light switch
  - PIR sensor
  - DRH240 (dynamic remote humidistat)
- easy and economical to install and maintain
- ES1003 design allows installation at any angle with only three fixing points
- energy saving ventilation
- extremely low running costs
- low carbon footprint
- 2 year warranty

TECHNICAL FEATURES

- constructed using recyclable and/or reusable materials and components for minimum ecological impact
- shockproof, high quality technopolymer casing
- designed using latest wind tunnel technology and CFD simulations
- advanced profile to increase aerodynamic efficiency
- induction motor with thermal protection
- 40,000 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, SELV models IPX7 rated

COMPLIES WITH

- Building Regulations for enhanced energy saving capability
- Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- CE marked
- SAP PCDB Listed
- Energy Saving Trust Best Practice Compliant

TYPICAL SPECIFICATION AVAILABLE AT

http://www.vectaire.co.uk/downloads

MODELS AVAILABLE:

- ES1003 - 3 speed, continuous running, cord or remote
- ES1003CF - model c/w filter
- ES1003CLV - SELV - 12v model
- ES100H2C - 2 speed, humidity control
- ES100H2CLV - 2 speed, humidity control - SELV - 12v model

Vectaire Ltd can supply all accessories for use with these units, including product filters. air filter cassettes, silencers, fire dampers, air valves, ducting, outside grilles and wall cowls. Additionally, Vectaire 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. Vectaire can also organise installation, commissioning and maintenance of these products.

N.B These fans are NOT suitable for use with Gravity Grilles. They should be installed using either Cowls or Fixed Grilles. Only approved accessories should be used:

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

E-Smile - ES1003

TECHNICAL CHARACTERISTICS									
Model	Airflow l/sec			Power - Watts			dBA (@ 3m in free field)		
	Trickle 1	Trickle 2	Boost	Trickle 1	Trickle 2	Boost	Trickle 1	Trickle 2	Boost
ES1003	11	14	21	3.8	5.3	7.5	16	19	29

RESULTS for SAP CALCULATIONS - SAP2012 data ENERGY LEVEL PERFORMANCE - using rigid ducting only			
Unit Configuration	Specific Fan Power (W/l/s)	EST Best Practice Performance Compliant	Flow Rate (l/sec)
In room - kitchen	0.55	Yes	14.2
In room - wetroom	0.61	Yes	11.1
Through wall - kitchen	0.37	Yes	15.5
Through wall - wetroom	0.45	Yes	9.7
Figures from BRE test results at minimum flow rate conditions			

RESULTS for SAP CALCULATIONS - SAP2012 data ENERGY LEVEL PERFORMANCE - using flexible ducting only			
Unit Configuration	Specific Fan Power (W/l/s)	EST Best Practice Performance Compliant	Flow Rate (l/sec)
In room - kitchen	0.57	Yes	13.0
In room - wetroom	0.61	Yes	10.3
Through wall - kitchen	0.37	Yes	15.5
Through wall - wetroom	0.45	Yes	9.7
Figures from BRE test results at minimum flow rate conditions			

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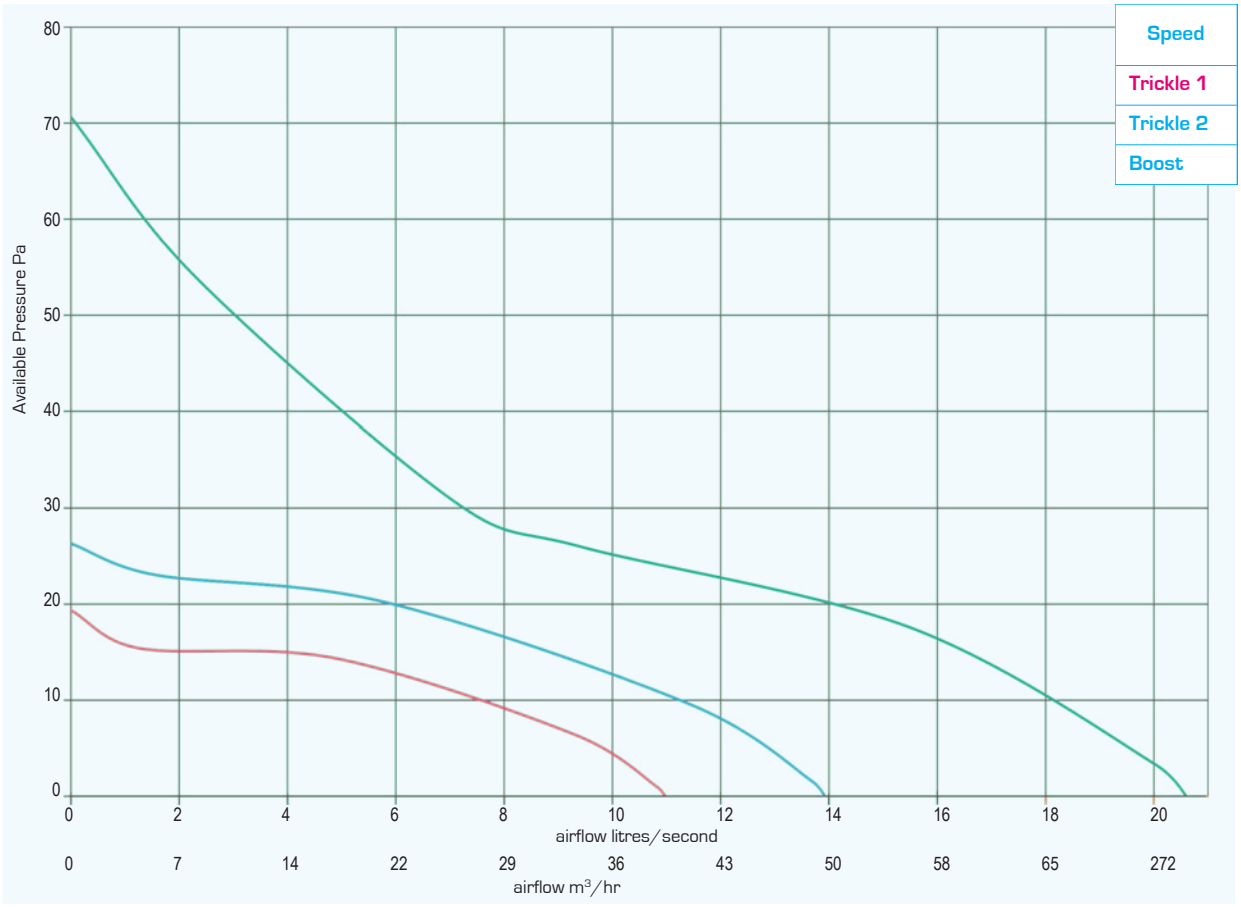
PERFORMANCE (curves are for guidance only)



DIMENSIONS - mm