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Commercial Ventilation

T-Series Window Models



Description

T-Series range is fitted with a Vent-Axia M-Tech motor, developed to improve performance and lower running costs, and maintain T-Series' rugged reliability.

About this product

-  **fitting and wiring diagrams**
-  **installation notes**
-  **where can I buy this product from?**

Information

- ▶ **Description**
- ▶ **Performance**
- ▶ **Dimensions**
- ▶ **Typical Specification**

At a Glance...

Extract/intake fans in 4 sizes:
Size 6, 7, 9 and 12.

Patented electronic shutter system ensures quiet trouble free operation.

Designed to comply with International safety standards.

To obtain the best from

ONLINE SHOPPING:
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Vent-Axia Industrial Ventilation

Commercial Ventilation

Commercial Air Curtains

Roof Units Industrial Products

Domestic Ventilation

Air Conditioning

Clean Air Systems (Heat Recovery)

Cooling Products

Heating Products

Hygiene Products

Sensors / Controllers & Accessories

Product Overview

Product Brochures**Product Specifications**

A patented speed control pack is simply plugged in one of 3 positions to provide low, medium or boost speed matching the fan performance to the requirements of the installation.

Designed for use in single or double glazing and most types of glass and material up to 32mm thick. Greater thicknesses can be accommodated using extended fixing rod sets. Alternatively, the T-Series range can be used in conjunction with Vent-Axia ventilation accessories in flexible and rigid ducting systems to suit individual requirements. The fan can also be mounted in a fixing plate on walls, in ducts or above ceilings.

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Instantaneous Shutter

With energy saving in mind TX models are supplied complete with an integral instantaneous automatic louvre shutter concealed behind the interior grille. It operates on both extract and intake and at any angle of mounting.

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Best Practice

Sensors and auto mode controllers save energy by only switching the ventilation units on when needed and when the room is occupied. The shutter is electronically controlled by an actuator with a damped action giving quiet operation during instant opening and closing. The interlocking edges of the shutter blades provide maximum backdraught protection. When the ventilating unit is used with a T-Series controller, the shutter can be set open with the fan motor switched Off to provide natural ventilation without the security risk of an open window.

The Size 6 model provides the necessary trickle ventilation control to meet Building Regulation Requirements in domestic applications. This is particularly suited to Scottish Building Regulations Document K2.2 and 2.16.

Suitable for running at any angle. Quiet running, enclosed.

your fan, use the Ecotronic controller.

Shutter open only available.



Size 6
150mm



Size 7
190mm



Size 9
230mm



Size 12
300mm

FAQ's Answered

Suitable for single or double glazed windows.

A choice of one of 3 fixed speeds available without a controller.

Single unit or group controllers available.

T-Series controllers require 5 core cable.

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Easy Cleaning

Integrated component design allows all parts to be dismantled for cleaning without the use of specialist tools.

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Controllers and Sensors



T-Series Controller

- Three speeds. Choice of extract/intake
- Shutter open, fan Off setting
- Sensor mode. Enables external electro mechanical switches, eg: Ecotronic, HumidiSwitch, ThermoSwitch and TimeSwitch to control the fan.



Ecotronic 130 Controller

All the features of T-Series:-

- Infinitely variable speed control
- 'E' position for energy saving
- Minimum speed adjustment.



Ecotronic 400 Controller

For groups of units of any one size up to a total of 400 watts. Do not mix T-Series with Standard Range ventilating units on one controller.



Ambient Response Humidity Sensor

Self programming electronic On/Off wall mounted humidity sensor which reacts to any rapid increase in humidity and temperature. Night time RH increment setback feature.



[Air quality sensor](#)

Automatically reacts to the depletion of air quality, sensing tobacco smoke, smells and toilet odours to regulate mechanically ventilated areas.



[Ecotronic Humidity Sensor](#)

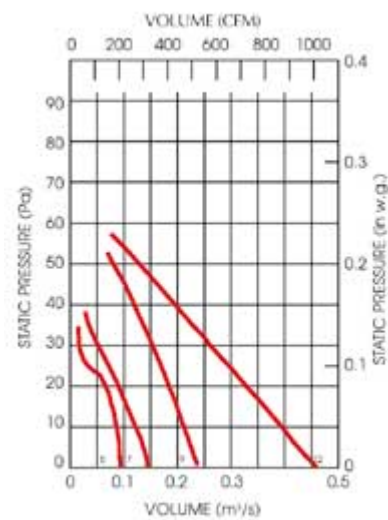
The Ecotronic Humidity Sensor is an adjustable set point, solid state controller. A pullcord provides manual override, indicated by lamp. Adjustable from 65% to 90%RH. Ecotronic includes a relay and can be used with T-Series controller sensor mode.

[Click here for full details of controllers and sensors](#)

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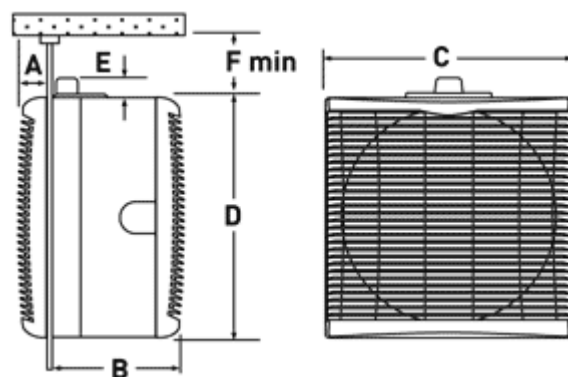
Performance

Output is for the extract airflow on HIGH.



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Dimensions (mm)



Size	6 (150mm)	7 (190mm)	9 (230mm)	12 (300mm)
A	31	31	31	31
B	130	130	142	167

C	226	265	304	380
D	220	258	302	378
E	19	19	19	19
F	54	54	54	54
Fixing hole dia.	184	222	260	337
Weight (kg)	3.57	3.93	5.35	7.74

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Technical Data

Unit size		6
Type		TX6WW TL6WW
Stock Ref. No.		W16 11 10 W26 11 10
Amps @ 240V		0.24 0.21
Extract Performance m³/h	Low	245
	Med	315
	High	360
Watts (high)		45 40
dB(A) (med) @ 3m		41
Shutter (TX only)		Instant
	T-Series Type TSC	W36 11 19
Surface Controllers	Ecotronic 130	W30 01 20
	Ecotronic 400	W36 23 20
	Time Switch TTC	W36 13 10
Unit size		7
Type		TX7WW TL7WW
Stock Ref. No.		W16 21 10 W26 21 10
Amps @ 240V		0.24 0.21
Extract Performance m³/h	Low	305
	Med	395
	High	485

Watts (high)		46	41
dB(A) (med) @ 3m		37	
Shutter (TX only)		Instant	
	T-Series Type TSC	W36 11 19	
	Ecotronic 130	W30 01 20	
Surface Controllers	Ecotronic 400	W36 23 20	
	Time Switch TTC	W36 13 10	
Unit size		9	
Type		TX9WW	TL9WW
Stock Ref. No.		W16 31 10	W26 31 10
Amps @ 240V		0.42	0.39
Extract Performance m³/h	Low	465	
	Med	685	
	High	795	
Watts (high)		80	75
dB(A) (med) @ 3m		43	
Shutter (TX only)		Instant	
	T-Series Type TSC	W36 11 19	
	Ecotronic 130	W30 01 20	
Surface Controllers	Ecotronic 400	W36 23 20	
	Time Switch TTC	W36 13 10	
Unit size		12	
Type		TX12WW	TL12WW
Stock Ref. No.		W16 41 10	W26 41 10
Amps @ 240V		0.51	0.48
Extract Performance m³/h	Low	1095	
	Med	1415	
	High	1615	
Watts (high)		105	100
dB(A) (med) @ 3m		48	
Shutter (TX only)		Instant	
	T-Series Type TSC	W36 11 19	

	Ecotronic 130	W30 01 20
Surface Controllers	Ecotronic 400	W36 23 20
	Time Switch TTC	W36 13 10

Flush box **Stock Ref. No. 40 01 44**



Typical Specification

Supply and install a T-Series Window fan as manufactured by Vent-Axia Ltd, Fleming Way, Crawley, West Sussex, RH10 9YX Telephone: 01293 526062.

The fan should be designed for use in single or double glazing and most types of glass and materials up to 32mm thick and should be able to achieve greater thickness with the use of extended fixing rods. The fan should have a speed control pack which enables high, medium and low speed to be set to suit room size or required duty. The fan should be fully reversible and be able to be controlled by using variable speed controller or by humidity, air quality or PIR sensors. The fan should incorporate an electronically controlled instantaneous shutter mechanism that has a facility to be in an open state without the fan running for passive ventilation.

The unit should meet with Document F of the Building Regulations and be BEAB approved.

The motor should be suitable to run at any angle and suitable for operation in ambient temperatures from -40°C to +50°C. and should be fitted with self resetting Standard Thermal Overload Protection (S.T.O.P.)

Patented Shutter Actuator System
European Patent Number EP 0177215

Patented Remote Speed Control Circuit
European Patent Number EP 0180311.

