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Commercial Ventilation

T-Series Wall Models



Description

Behind the grille of the T-Series wall model is a range of high performance extract/intake ventilating units designed to fit through most wall thicknesses using telescopic liners supplied. For walls of exceptional thickness

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Sensors / Controllers & Accessories

Product Overview

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...

Product Brochures

Product Specifications

additional liners can be used. T-Series also features a unique speed control pack which enables high, medium or low speed to be preset to suit room size or required duty. Conduit entry is provided for concealed wiring.



T-Series controllers may be used with this model to obtain a choice of speeds, reversible airflow direction and automatic sensor operation. When used with a T-Series TSC controller, the speed control pack is removed from the T-Series ventilating unit and fitted into the 3-pin socket in the back of the controller. The Vent-Axia Ecotronic controller gives even greater running economy with its minimum speed setting and 'E' mode. When using the Ecotronic controller the speed control pack remains in the fan.

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Shutter

TX models are supplied complete with an integral instantaneous automatic louvre shutter which will operate on both intake and extract and at any angle of mounting.

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.

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Electrical

Motor purpose-designed. Suitable for running at any angle. Quiet running, enclosed. Suitable for operation in ambient temperatures from -40°C to +50°C.

Fitted with self resetting Standard Thermal Overload Protection (S.T.O.P.).



Extract/intake model 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.

For the very best from your fan use the Ecotronic controller.

Larger sizes are available from 355-500mm impeller diameter.

[See details of Super T-Series range.](#)

FAQ's Answered

Suitable for solid and cavity walls.

Outside grille removable from indoors for cleaning.

Instant shutter operation.

T-Series controllers require 5 core cable.

Supply voltage **220-240V/1/50Hz (120V 1/60 Hz)**.

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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

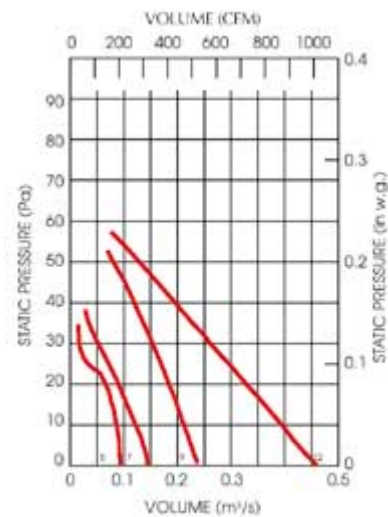
The Ecotronic Humidity Sensor is an adjustable set point, solid state controller. A pullcord provides manual override, indicated by lamp. Adjustable from 65% to 90%RH. Ecotronic includes a relay and can be used with T-Series controller sensor mode.

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

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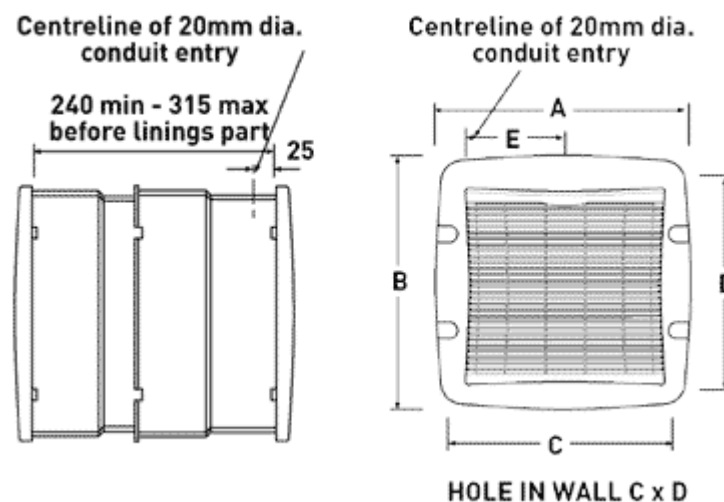
Performance

Output is for the extract airflow on HIGH.



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Dimensions (mm)



Size	6 (150mm)	7 (190mm)	9 (230mm)	12 (300mm)
A	310	352	391	470
B	303	345	388	467
C	290	330	365	442
D	290	330	375	450
E	104	124	143	182
Weight (kg)	5.54	6.13	7.77	10.86

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Technical Data

Unit size	6	
Type	TX6WL	TL6WL
Stock Ref. No.	W16 15 10	W26 15 10
Amps @ 240V	0.24	0.21
Extract	Low	270

Performance	Med	350	
m³/h	High	395	
Watts (high)		45	40
dB(A) (med) @ 3m		43	
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		TX7WL	TL7WL
Stock Ref. No.		W16 25 10	W26 25 10
Amps @ 240V		0.24	0.21
Extract	Low	335	
Performance	Med	435	
m³/h	High	530	
Watts (high)		46	41
dB(A) (med) @ 3m		39	
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		9	
Type		TX9WL	TL9WL
Stock Ref. No.		W16 31 10	W26 35 10
Amps @ 240V		0.42	0.39
Extract	Low	515	
Performance	Med	735	
m³/h	High	870	
Watts (high)		80	75
dB(A) (med) @ 3m		43	

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		12	
Type		TX12WL	TL12WL
Stock Ref. No.		W16 45 10	W26 45 10
Amps @ 240V		0.51	0.48
Extract Performance m³/h	Low	1185	
	Med	1530	
	High	1745	
Watts (high)		105	100
dB(A) (med) @ 3m		49	
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	

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

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Typical Specification

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

The fan should have a telescopic wall liner to fit wall thickness between 240mm and 315mm, it should also have additional liners for extra thick walls. 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.

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