

envirovent®

# TD-MIXVENT

In-Line Fans



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## About

Two and three speed axial in-line fans designed to solve ventilation problems for ducted systems. The range is available in six sizes ranging from 100mm-315mm ducting and with airflow performances up to 1860 m<sup>3</sup>/h. Flexible location enables the TD-MIXVENT fans to be connected to any point on the ventilation duct; at the beginning, in-between or at the end, without the loss of any performance.

- Guide vanes as standard
- Standard Thermal Overload Protection (S.T.O.P.) fitted as standard
- Models with run-on timers available
- Sealed for life ball bearings
- IP44 rated
- 2 year warranty
- Removable central cartridge for ease of cleaning and maintenance
- Ease of installation
- Versatile
- Can be mounted at any place on the air duct
- Speed controllable



## Optional Features

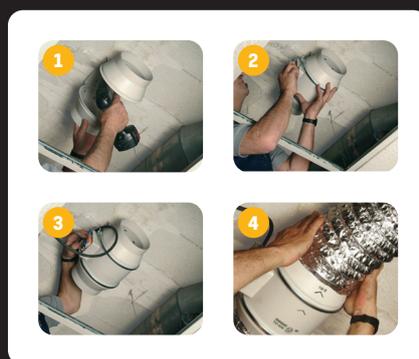
### Timer Mode

After disconnection, the shut off time can be delayed between 1 and 30 minutes.



### Easy Installation

The low profile design of the range makes them the most effective solution for installations where space is restricted, such as false ceilings. The unique design of the support bracket allows the central cartridge, holding the motor and impeller assembly, to be fitted without dismantling the ductwork.



| ORDER CODE   | Single Speed | Multi Speed |
|--------------|--------------|-------------|
| TD 250/100   |              | •           |
| TD 250/100 T | •            |             |
| TD 350/125   |              | •           |
| TD 500/150   |              | •           |
| TD 500/150 T | •            |             |
| TD 800/200   |              | •           |
| TD 1000/250  |              | •           |



## Easy Maintenance

The unique design of the support bracket allows the motor and impeller assembly to be removed and replaced without dismantling the adjacent ducting.



## Controller

The standard (non-timer) fans are fitted with a single-phase 2-speed motor. These can be controlled using a 2-speed selection switch or are 100% speed controllable via the REB-1N controller. (Timer models are not speed controllable).



## Technical Data

| MODEL Ø               | TD 250/100 |      | TD 350/125 |      | TD 500/150 |      | TD 800/200 |      | TD 1000/250 |      |
|-----------------------|------------|------|------------|------|------------|------|------------|------|-------------|------|
|                       | LOW        | HIGH | LOW        | HIGH | LOW        | HIGH | LOW        | HIGH | LOW         | HIGH |
| SPEED (RPM)           | 1700       | 2140 | 1590       | 2050 | 1820       | 2590 | 2080       | 2480 | 2510        | 2790 |
| WATTS (W)             | 22         | 28   | 20         | 25   | 41         | 53   | 131        | 132  | 91          | 130  |
| CURRENT (A)           | 0.10       | 0.12 | 0.09       | 0.11 | 0.18       | 0.21 | 0.55       | 0.55 | 0.28        | 0.46 |
| AIRFLOW /s            | 56         | 69   | 69         | 92   | 108        | 156  | 236        | 289  | 236         | 267  |
| MAX WORKING TEMP (°C) | 40         |      | 40         |      | 60         |      | 60         |      | 60          |      |
| dB(A) @ 3m            | 28         | 34   | 28         | 33   | 29         | 33   | 33         | 39   | 38          | 40   |
| WEIGHT (Kg)           | 2.0        |      | 2.0        |      | 2.7        |      | 4.9        |      | 9.4         |      |
| Ø DUCT (mm)           | 100        |      | 125        |      | 150        |      | 200        |      | 250         |      |

## Technical Specification

### Product

The TD-MIXVENT models are two-speed & three-speed axial in-line fans designed to solve ventilation problems for ducted systems.

### Installation

Full installation guide is enclosed with all products.

### Construction

Is manufactured in tough reinforced plastic (TD-250/100 - TD-800/200 models) or with metal casing steel finished in a tough epoxy-polyester paint coating (TD-1000/250).

### Motor

Is a single phase 230V 50/60Hz A/C motor, fitted with sealed for life ball bearings for enhanced working life and Standard Thermal Overload Protection (S.T.O.P.).

### Fan

The impeller is axial flow type.

### Controllers

The fans may be controlled by an REB variable speed controller (excluding timer models).

### Servicing / Maintenance

Dismountable motor body for easy repairs or cleaning. The impeller should be cleaned at least once a year using a damp cloth (excluding timer models).

### Warranty

Is covered by a 2 year warranty subject to the specified maintenance.

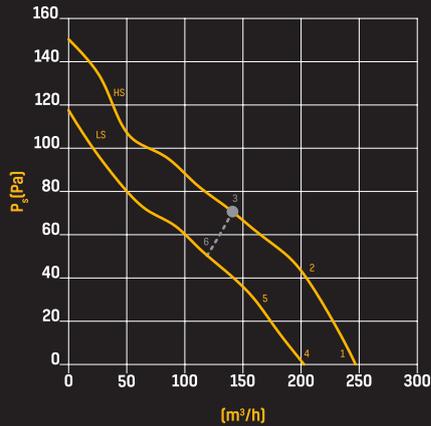
### Compliance

CE Marked.

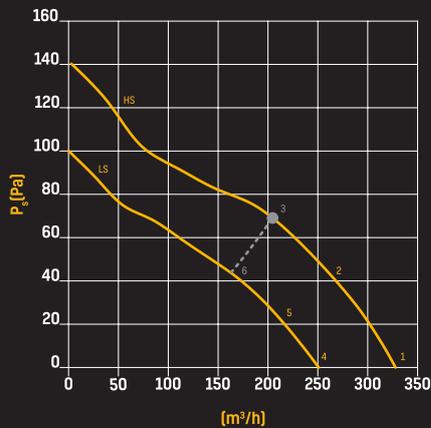


## Performance Curves

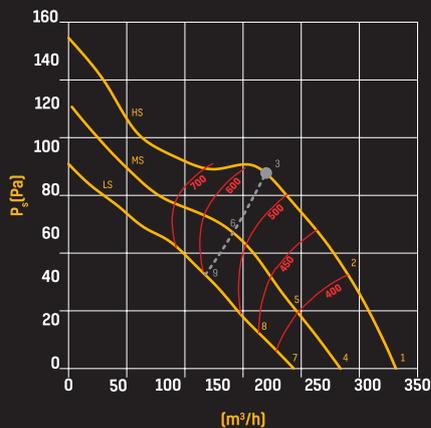
### TD 250/100



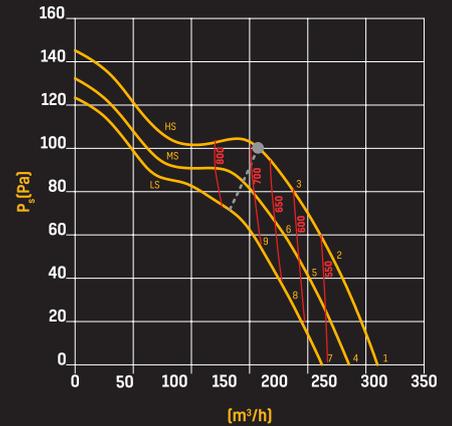
### TD 350/125



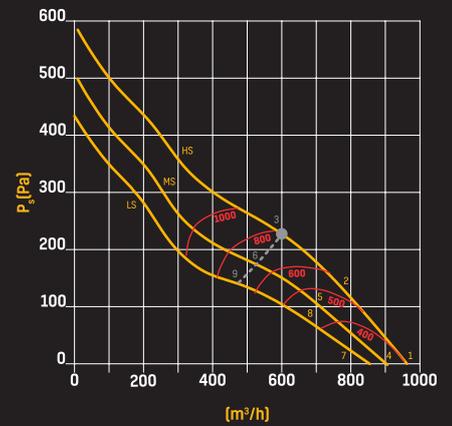
### TD 500/150



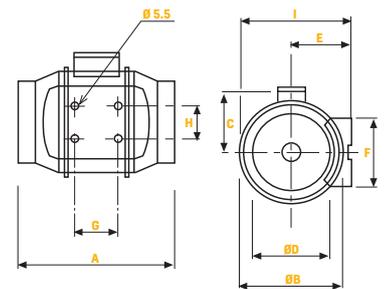
### TD 800/200



### TD 1000/250



## Dimensions (mm)



| MODEL       | A   | Ø8  | C   | ØD  | E   | F   | G   | H   | I     |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| TD 250/100  | 303 | 176 | 115 | 97  | 100 | 90  | 80  | 60  | 188   |
| TD 350/125  | 258 | 176 | 115 | 123 | 100 | 90  | 80  | 60  | 188   |
| TD 500/150  | 295 | 200 | 127 | 147 | 112 | 130 | 80  | 60  | 212   |
| TD 800/200  | 302 | 217 | 141 | 198 | 124 | 140 | 100 | 94  | 232.5 |
| TD 1000/250 | 386 | 272 | 192 | 248 | 155 | 168 | 145 | 140 | 291   |

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