

TD-MIXVENT



In-line Fans



Two-speed domestic 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 m³/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.

Features

- Guide vanes as standard
- Standard Thermal Overload Protection (S.T.O.P.)
- Low profile to allow for ease of installation in narrow spaces
- Models with run-on timers available
- Sealed for life ball bearings
- IP44 rated
- Two year guarantee

Benefits

- 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



Variable Speed

The fans can be controlled by the REB-1N external variable speed controller (except for the MV 2000/315 which is controlled by the REB-2N).

ORDER CODE	TD-250/100	TD-250/100T*	TD-350/125	TD-500/150	TD-500/150	TD-500/150T*	TD-800/200	TD-1000/250	TD-2000/315
Single Speed		•		•		•			
Two Speed	•		•		•		•	•	•

* Timer models are commissioned at installation to operate at one speed, set to high or low dependant on application. Auxiliary two speed switches or variable speed controllers can be used with standard models.

Performance Data

MODEL	Speed (r.p.m.)	Watts (W)	Amps (A)	Airflow l/s (m ³ /h)	Maximum Working Temp (°C)	dB(A) @ 3m	Weight (Kg)	Ø Duct (mm)	
TD-250/100	LOW	1850	18	0.10	50 (180)	40	26	2.0	100
	HIGH	2200	24	0.11	67 (240)	40	31	2.0	100
TD-350/125	LOW	1900	22	0.10	78 (280)	40	28	2.0	125
	HIGH	2250	30	0.13	100 (360)	40	33	2.0	125
TD-500/150	LOW	1950	44	0.19	119 (430)	60	29	2.7	150
	HIGH	2500	50	0.22	161 (580)	60	33	2.7	150
TD-800/200	LOW	2000	100	0.45	222 (800)	60	33	4.9	200
	HIGH	2500	120	0.50	306 (1100)	60	39	4.9	200
TD-1000/250	LOW	2610	85	0.35	250 (900)	60	38	9.4	250
	HIGH	2800	125	0.50	281 (1010)	60	40	9.4	250
TD-2000/315	LOW	2000	160	0.80	431 (1550)	60	42	14.0	315
	HIGH	2700	255	1.20	556 (2000)	60	47	14.0	315

Easy Installation & Maintenance

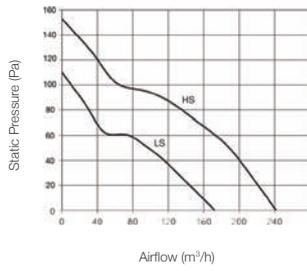
The low profile design of the range makes them the most effective solution for installations where space is restricted, such as false ceilings.

The unique design of the support bracket allows the central cartridge, holding the motor and impeller assembly, to be fitted or removed without dismantling the ductwork.

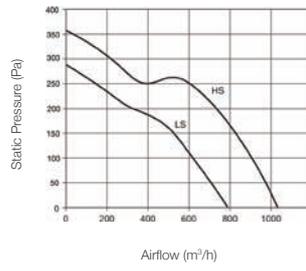


Performance Curves

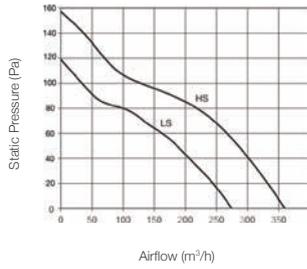
TD-250/100



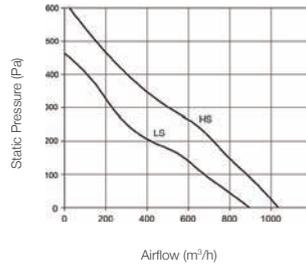
TD-800/200



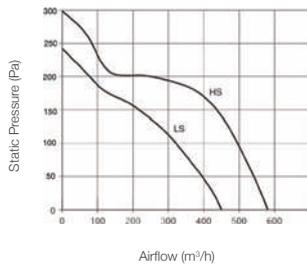
TD-350/125



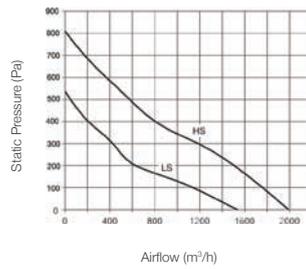
TD-1000/250



TD-500/150



TD-2000/315



Controllers



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.

Technical Specification

Product

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

Applications

Shall be connected to any point on the ventilation duct to meet The Building Regulations - Part F (England), Scottish Building Regulations Section 3 and Part K (Northern Ireland).

Performance

MODEL	TD-MIXVENT	
Speed (r.p.m.)	2200 - 2800	1850 - 2610
Watts (W)	24 - 255	18 - 160
Amps (A)	0.11 - 1.20	0.10 - 0.80
Airflow l/s (m³/h)	67 (240) - 556 (2000)	50 (180) - 431 (1550)
dB(A) @ 3 m	31 - 47	26 - 42
Weight (Kg)	2.0 - 14.0	2.0 - 14.0
IP Rating	IP44	IP44
Ø Duct (mm)	100 - 315	100 - 315

Installation

Full installation guide is enclosed with all products; or sent separately in advance - if required.

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 - MV2000/315 models).

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.

Servicing / Maintenance

The motor body of the in-line fan shall be easily dismantlable for repairs or cleaning. The impeller should be cleaned at least once a year using a damp cloth.

Guarantee

Covered by a 2 year warranty subject to specified maintenance.

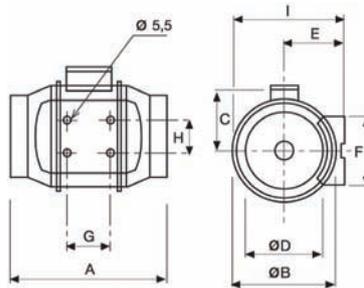
Compliance

CE

Options & Ancillaries

Description	Code(s)
Adjustable Ceiling Vent (Varying Sizes)	Refer to Domestic Ancillaries
Flexible Hose Ducting (Varying Sizes)	Refer to Domestic Ancillaries
Insulated Flexible Hose Ducting (Varying Sizes)	Refer to Domestic Ancillaries
Five In One Roof Vent Kit	1RVENT5IN1
Slimline Airbrick	1FDHORLOUV 1FDVERLOUV

Dimensions (mm)



MODEL	A	B	C	D	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	
TD-1000/250	386	272	192	248	155	168	145	140	291
TD-2000/315	450	336	224	312	188	210	182	178	356

Related Information

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