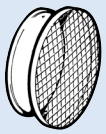
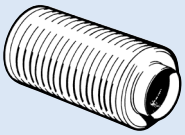
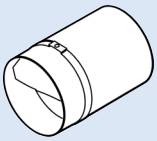
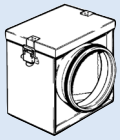


Made from recycled plastic

ANCILLARY EQUIPMENT

 MRJ - Inlet grille *Ref. Section J*	 CC - Attenuators *Ref. Section H*	 SJK - Backdraft Damper *Ref. Section J*
 RSK - Backdraft Dampers *Ref. Section J*	 FC - Fast clamp *Ref. Section J*	 FGR - Filter Unit *Ref. Section J*
 0-10V Speed Controller *Ref. Section M*		

DESCRIPTION

The fully adjustable TD-P EcoWatt inline fan, delivers an innovative and highly efficient EC solution for both domestic and commercial ventilation applications. The range features an on-board variable speed controller, along with provisions for BMS integration or external 0–10V control connections.

Suitable for mounting in any position, the range is available to suit standard duct sizes 150 and 200mm diameter.

Typical Applications

Ideal for the ventilation of toilets, laundries, ensuites and kitchens for homes, hotels and commercial premises.

Features

- An energy-efficient solution with state-of-the-art, brushless EC motor technology
- Speed controllable via on-board potentiometer or external 0-10V signal
- High-performance mixed-flow impeller
- Fans can be removed for maintenance or repair without disturbing the duct system via specially designed support brackets
- All models are designed for direct connection to standard diameter circular ducting
- Integral mounting foot makes installation simpler
- Includes plug and lead for easy and quick installation
- Suitable for both supply and exhaust air applications
- BMS compatible

Construction

Casings are manufactured from reinforced, injection moulded, recycled polypropylene plastic.

Impellers are made of injection-moulded plastic and are a mixed-flow design.

Motors

Type - high performance, energy efficient brushless DC motor.

Electricity supply – 220 to 240V, 50/60Hz

Integrated variable speed controller that can be adjusted locally on the fan, or remotely via a 0-10V

Bearings - sealed for life, ball.

Rated Class B Insulation, IP44

See *Section O* for details of these motors

Internal Thermal Protection

Manual-reset thermal overload protection device in accordance with mandatory requirements for in-duct fans AS/NZS60335-2-80:2016.

Testing

Air flow tested to ISO5801:Part1, 1997
Noise tested to ISO 13347-3 2004

TECHNICAL DATA

Model TD-..	Fan Speed rev/sec	Avg. dB(A) @ 3m*	1 phase Watts	1 phase Amps	Max. amb °C	App. wt. Kg
150P-ECOWATT	43	46	41	0.3	40	2.1
200P-ECOWATT	38	47	65	0.5	40	4.9

* Inlet Sound Levels

HOW TO ORDER

TD - [ ][ ][ ]P - ECOWATT

- TD fan
- Spigot diameter, mm
- On -board Potentiometer
- EcoWatt Model

SUGGESTED SPECIFICATIONS

The In-line fans shall be of the TD-P EcoWatt Series as supplied by Fantech Pty. Ltd.

Impellers shall be of mixed-flow design and driven by single-phase motors with thermal overload protection.

Fans shall include integrated variable speed controller that can be adjusted locally on the fan, along with provisions for BMS integration or external 0–10V control connections.

They shall include an integral mounting foot and the fan body able to be removed without disturbing connecting ductwork.

All models shall be fully tested to ISO5801: Part1, 1997 for air flow and ISO 13347-3 2004 for noise.

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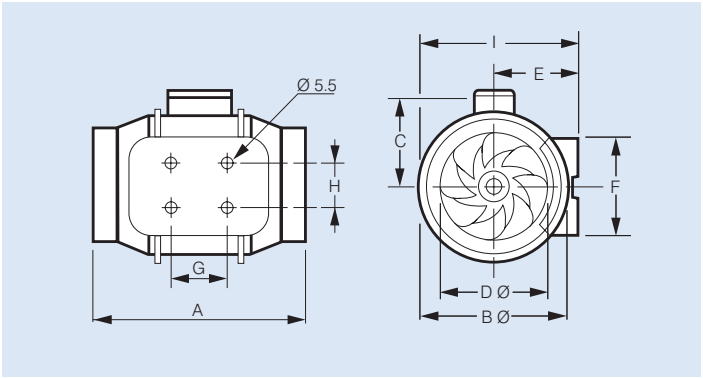
NOISE DATA

Model Number TD-..	Type	Avg. dB(A) @ 3m	In-duct Sound Power Levels LwdB re 1pW 63	125	250	500	1k	2k	4k	8k
	Inlet	46	66	60	70	63	58	60	55	49
150P-ECOWATT	Outlet	45	62	54	64	64	59	57	54	49
	Breakout	34	41	31	48	39	47	52	40	30
	Inlet	47	51	53	63	66	59	62	55	48
200P-ECOWATT	Outlet	49	50	53	65	70	61	60	56	47
	Breakout	34	40	28	48	41	45	53	39	32

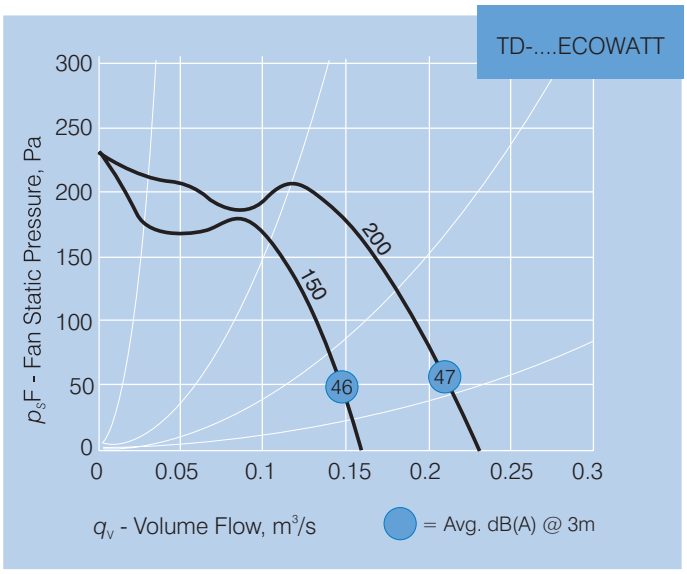
* Sound levels taken at medium-level pressure

B

DIMENSIONS



Model Number TD-..	Dimensions, mm A	BØ	C	DØ	E	F	G	H	I	App. wt. kg
150P-ECOWATT	295	200	127	147	112	130	80	60	212	2.1
200P-ECOWATT	302	207	141	198	124	140	100	94	227	4.9



Scan the QR Code to view more information online.

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