

IMF-E SERIES

In-line Mixed Flow Fan

ELTA



IMF E-SERIES



Description

The IMF E-Series is our new range of in-line mixed flow fans with a compact profile. This means they offer excellent pressure development characteristics. They have been designed specifically for use with rigid or flexible ductwork and can be used for a wide variety of residential and commercial applications. Available in 3 sizes to suit 100, 150 and 200mm duct.

Typical Applications

Exhaust from bathrooms, toilets, laundries, kitchens and other small to medium spaces in houses, hotels and apartments.

Features

- Mixed-flow fan blade design for a balanced air delivery and pressure performance.
- All plastic casing provides a long lasting, robust and corrosion-resistant shell
- Mounting bracket is supplied as standard.
- Modular structure design, easy to install and maintain.
- Three-speed motor (high, medium, low), more options for air flow volume optimization.
- Relatively quiet.
- It can be used to build a small negative pressure fresh air system
- The motor is made of copper enameled wire, which has a long service life
- Equipped with overheat protection one-shot thermal fuse.

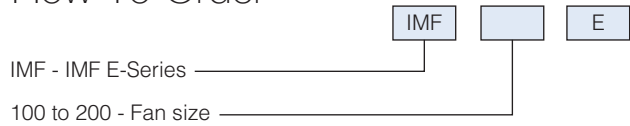
Construction

Fan housing and impeller are made from high quality plastic which is shock proof and long lasting.

Accessories

- Flexible duct – 100mm, 150mm, 200mm up to 10m long are available
- External Vent – ESSHV series (External Stainless Steel Hood Vent)
- External Grill – EAGM series (External Aluminum Grille with Mesh)
- Internal Duct Valve – ISDV series (Internal Steel Duct Valve)

How To Order



100, 150 & 200 Models

Motor

Type - 3 speed, induction.

Electricity supply - single phase 220-240V 50hz.

Bearings - ball.

Maximum ambient temperature - +40°C.

Class E insulation, Class II protection, IPX2 rated.

Internal Thermal Protection

Model 100, 150 and 200 - one shot thermal fuse.

Testing

Airflow to ISO 5801:2007

Noise to ISO 3744:2010

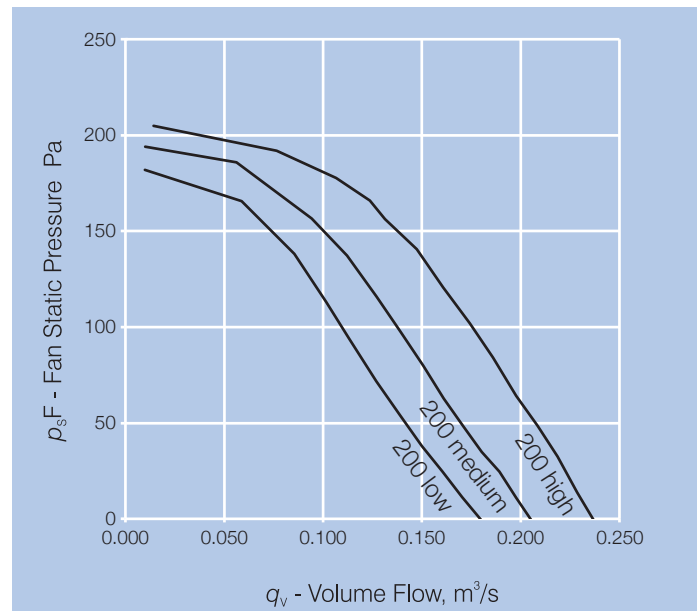
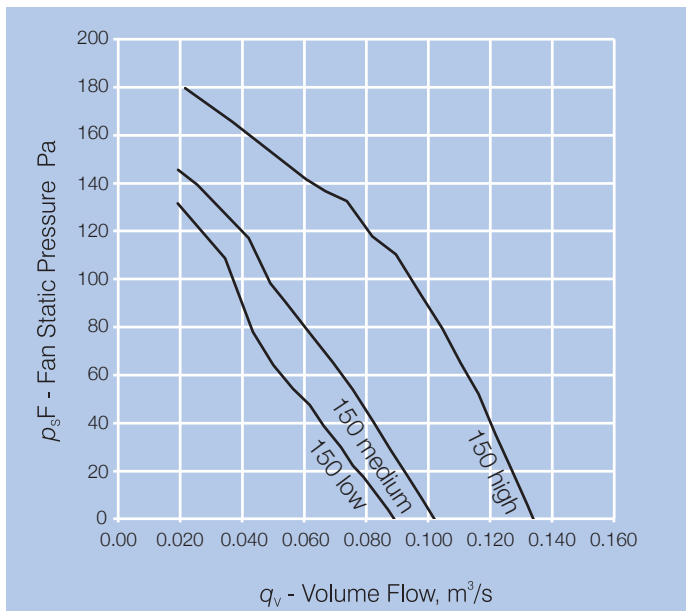
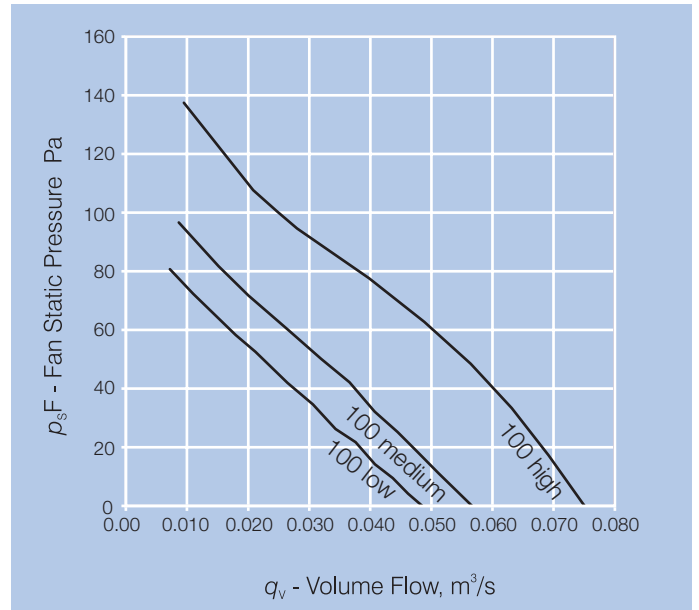
Suggested Specification

The in-line fans shall be of the IMF Series as supplied by Elta and be of the models shown. It shall have single-phase induction motor with built in thermal protection and double insulated so no earth connection is required. Fan housing and impeller are made from high quality plastic. All models shall be fully tested to ISO 5801:2007 for Airflow and ISO 3744:2010 for noise.

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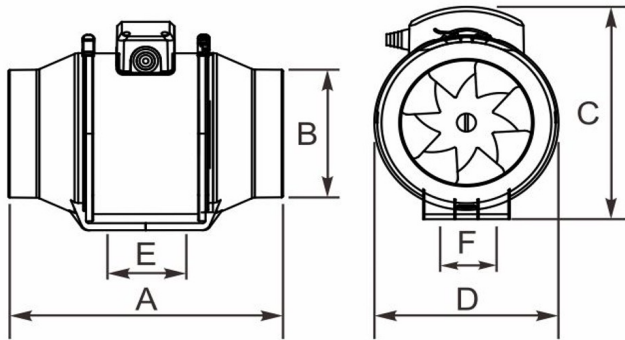
Technical Data

Model Number IMF...		RPM	Free Air m ³ /sec	Noise dB(A) @ 3m	Watts
IMF-100E	High	2350	0.075	42	33
	Medium	1750	0.054	38	
	Low	1500	0.049	37	
IMF-150E	High	2250	0.132	50	55
	Medium	1700	0.098	44	
	Low	1450	0.087	40	
IMF-200E	High	2250	0.238	56	135
	Medium	1700	0.206	53	
	Low	1450	0.180	51	



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Dimensions



Model Number	Dimensions, mm						Wt, kg
	A	BØ	C	D	E	F	
IMF-100E	258	100	216	178	80	60	1.45
IMF-150E	304	150	248	204	93	60	2.2
IMF-200E	300	200	275	210	114	85	3.75



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