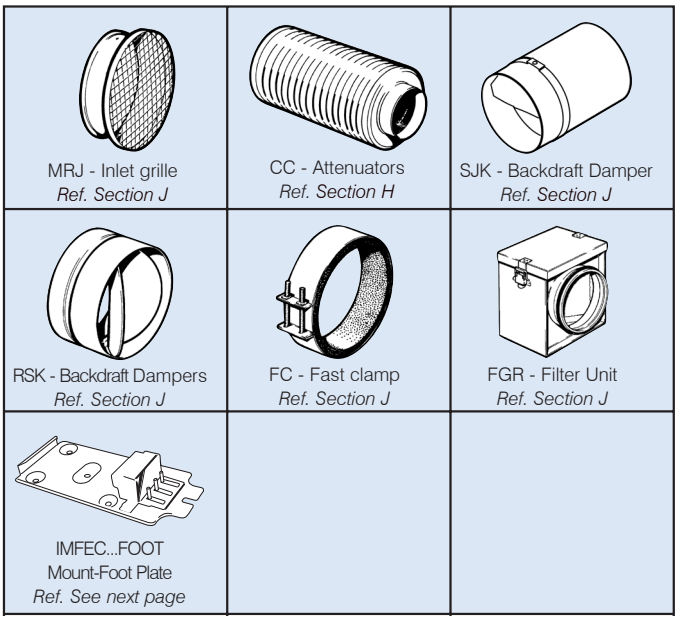




DESCRIPTION

The IMFEC in-line fan delivers efficient EC mixed-flow performance with low energy consumption for both domestic and commercial ventilation applications. It features an integrated variable speed controller that can be adjusted locally on the fan only. The IMFEC is also available with an optional on-board adjustable run-on timer (1–60 minutes), allowing steam and odours to continue being exhausted after the room is vacated.

Typical Applications

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

Features

- 3 fan sizes: Suits 100, 150 and 200mm duct diameters
- Speed controllable via on-board potentiometer
- Optional ROT models include a built-in adjustable 1-60 min run-on timer
- Main fan body is easily removed without dismantling the ducting
- Highly efficient single-phase EC motor
- Fan can be mounted in any position
- Junction box can be rotated to any position
- IMFEC inline fans are not designed to be connected to a building management system.

Construction

Casings and impellers are manufactured from reinforced, injection moulded, ABS plastic.

Motors

Type - high performance, energy efficient brushless DC motor.

Electricity supply – 110 to 240V, 50/60Hz

Integrated variable speed controller that can be adjusted locally on the fan only

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.

Testing

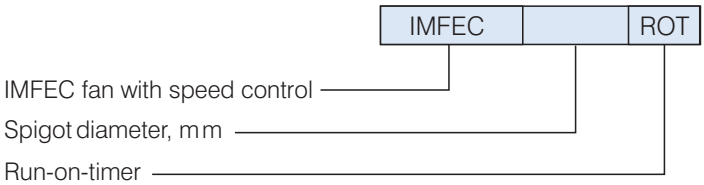
Air flow tested to ISO5801:2017
Noise tested to ISO 13347-3 2004

TECHNICAL DATA

Model Number IMFEC..	Fan Speed rev/sec	Avg. dB(A) @ 3m*	1 phase Watts	1 phase Amps	Max. amb °C	App. wt. Kg
100..	42	37	20	0.3	50	1.45
150..	42	46	50	0.4	50	2.00
200..	33	48	70	0.5	50	2.45

* Inlet Sound Levels

HOW TO ORDER



SUGGESTED SPECIFICATIONS

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

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

Fans shall include integrated variable speed controller that can be adjusted locally on the fan only, and integrated run on-timer as required.

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: 2017 for airflow and ISO 13347-3 2004 for noise.

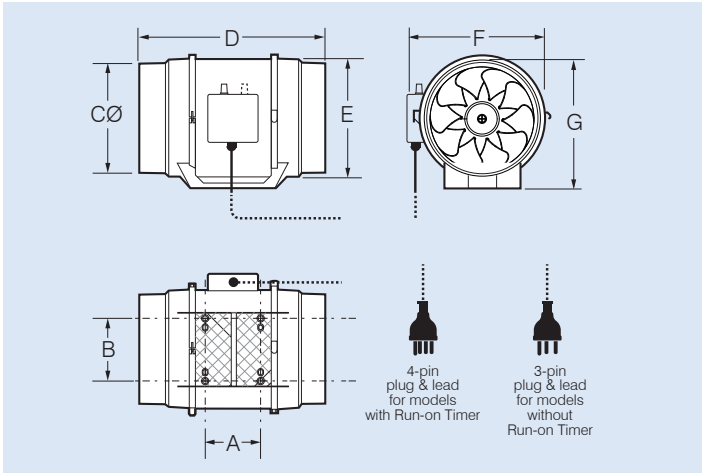
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NOISE DATA

Model Number IMFEC..	Type	Avg. dB(A) @ 3m	In-duct Sound Power Levels LwdB re 1pW 63	125	250	500	1k	2k	4k	8k
100..	Inlet	37	53	49	56	57	52	46	42	38
	Outlet	37	53	49	56	57	52	48	42	39
150..	Inlet	46	58	58	66	64	58	60	56	51
	Outlet	47	58	57	66	66	61	61	58	52
200..	Inlet	48	57	56	62	66	63	61	57	51
	Outlet	47	58	56	63	66	62	61	57	51

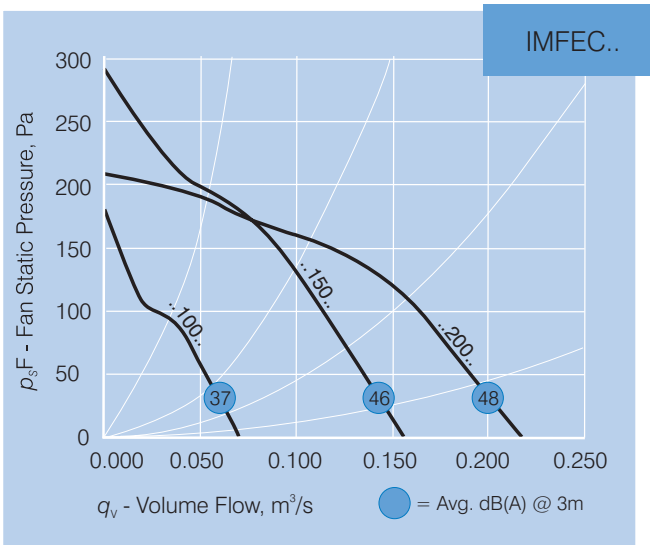
* Sound levels taken at medium-level pressure

DIMENSIONS



Model Number IMFEC..	Dimensions, mm A	B	CØ	D	E	F	G	App. wt. kg
100..	81	100	97	303	163	214	188	1.45
150..	62	96	145	315	187	238	208	2.0
200..	100	113	196	330	210	266	240	2.45

PERFORMANCE CURVE

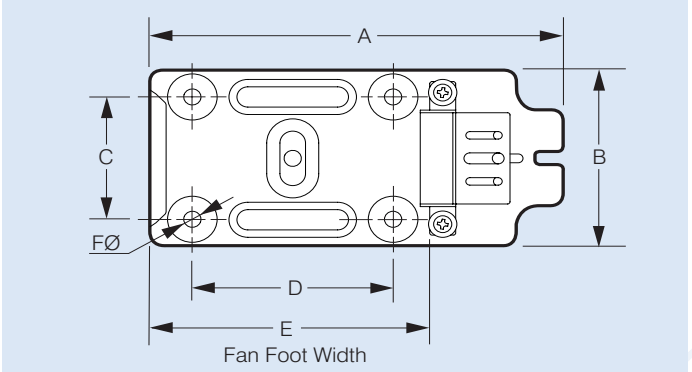


OPTIONAL MOUNT-FOOT PLATE



To further simplify installation and maintenance, the IMFEC is available with an optional quick-mount installation foot. This accessory enables faster installation and is constructed from durable galvanised steel for strength and longevity.

Please note: The optional quick mount-foot is not available for the IMFEC100 model



Model Number IMFEC...	Dimensions, mm A	B	C	D	E	FØ
150FOOT	175	80	55	85	118	5
200FOOT	180	80	55	85	130	5

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