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EC Mixed-Flow In-Line Fan

IMFEC

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PRODUCT DATA SHEET

EC MIXED-FLOW IN-LINE FAN

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

Features

- 3 fan sizes: Suits 100, 150 and 200mm duct diameters
- Speed controllable via on-board potentiometer
- ROT models include a built-in adjustable 1-60 min run-on timer
- Main fan body is easily removed for cleaning 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
- Easy to install and maintain
- Optional quick-mount foot plate available

Construction

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

Motor

Brushless EC motors are fitted as standard. The IPX4 motor contains sealed for life heavy duty ball bearings.

Electrical Connection

Standard models: 3-pin plug & lead
Run-on Timer models: 4-pin plug & lead

Typical Applications

- Shower Rooms
- Bathrooms
- Kitchens
- Laundries
- Utility Rooms
- Residential and Commercial

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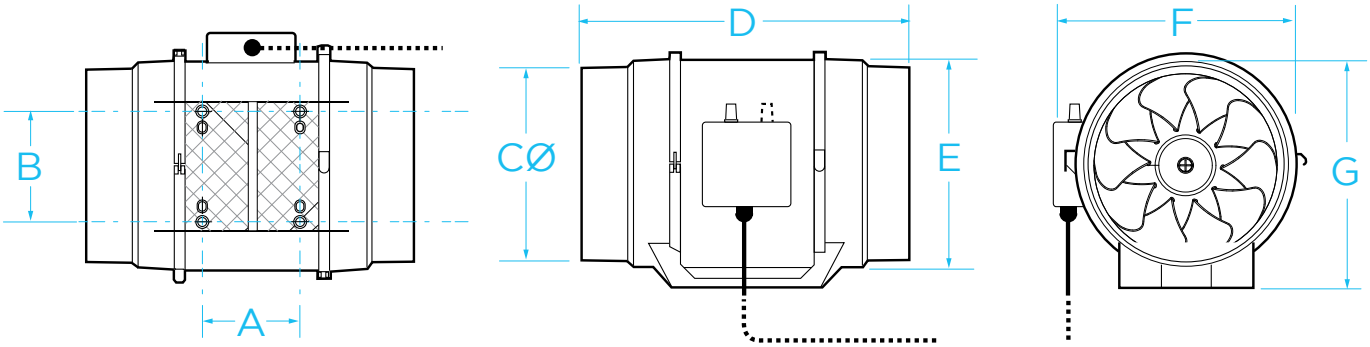
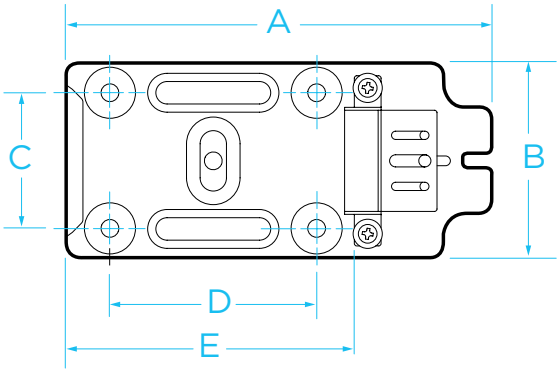
Dimensional Data
IMFEC In-Line Fan



Product Code	A	B	C	D	E	F	G	Weight kg
IMFEC100/ROT	81	100	97	303	163	214	188	1.45
IMFEC150/ROT	62	96	145	315	187	238	208	2.0
IMFEC200/ROT	100	113	196	330	210	266	240	2.45

Dimensions in mm

Optional Foot-Mount Plate



Fan Foot Width

Product Code	A	B	C	D	E
150FOOT	175	80	55	85	118
200FOOT	180	80	55	85	130

Dimensions in mm

Technical Data

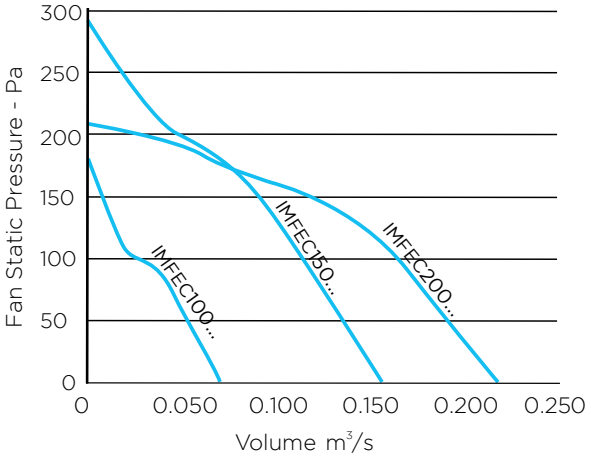
Product Code	Diameter (mm)	Fan Speed rev/sec	Avg. dB(A) @ 3m*	1 phase		Max. amb °C	App. wt. Kg	Run-On Timer
				Watts	Amps			
IMFEC100	100	42	37	20	0.3	50	1.45	N/A
IMFEC100ROT	100	42	37	20	0.3	50	1.45	Adjustable 1-60 minutes
IMFEC150	150	42	46	50	0.4	50	2.00	N/A
IMFEC150ROT	150	42	46	50	0.4	50	2.00	Adjustable 1-60 minutes
IMFEC200	200	33	48	70	0.5	50	2.45	N/A
IMFEC200ROT	200	33	48	70	0.5	50	2.45	Adjustable 1-60 minutes

* Inlet Sound Levels

Product Code	Type	Avg. dB(A) @ 3m	In-duct Sound Power Levels LwdB re 1pW							
			63	125	250	500	1k	2k	4k	8k
IMFEC100/ROT	Inlet	37	53	49	56	57	52	46	42	38
	Outlet	37	53	49	56	57	52	48	42	39
IMFEC150/ROT	Inlet	46	58	58	66	64	58	60	56	51
	Outlet	47	58	57	66	66	61	61	58	52
IMFEC200/ROT	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

Performance Curve



Order Details

Example – To order a 100mm EC mixed-flow in-line fan with run-on timer.

CODE = IMFEC100ROT

Note: Contact your sales branch or sales representative if your desired product cannot be ordered by using the above ordering criteria.

IMFEC_____

RUN-ON TIMER
ROT

SPIGOT DIAMETER
100 = 100mm
150 = 150mm
200 = 200mm

MODEL
IMFEC = IMFEC fan with speed control

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Since 1979, Idealair Group has been a trusted partner for all ventilation needs.

At Idealair Group, we specialise in ventilation, heating, ducting, energy recovery product, and more. Every product in our extensive range is tested and approved to ensure it meets the specified design requirements. Plus, with a complete range of stock readily available at all our branches, we ensure that order collection and delivery are both reliable and convenient.

We pride ourselves on providing tailored, engineered solutions for each customer. Our team of highly trained professionals are committed to offering practical help & advice, while meeting the diverse needs of your projects, from standard to complex applications.

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