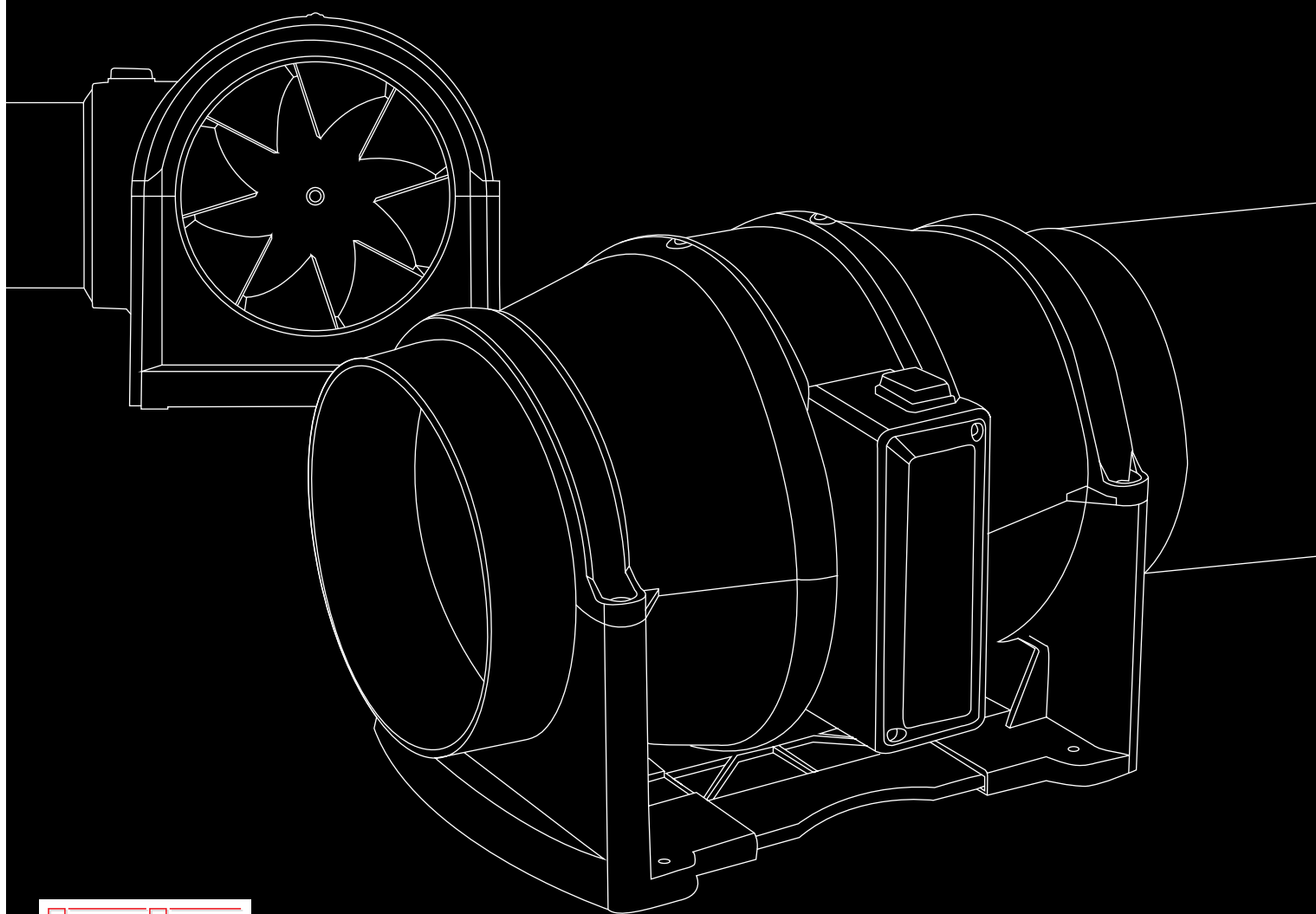


IN-LINE MIXED FLOW FANS



IN-LINE MIXED FLOW FANS

excellent pressure development characteristics, designed specifically for use with rigid or flexible ductwork for a wide variety of residential and commercial applications.



Quick facts

- 4 standard sizes from 100mm to 200mm.
- Air volume flow rates up to 258 l/s.
- Static pressures up to 236 Pa.
- Suitable for operating temperatures up to +60°C.
- Available with adjustable timer (3-15 minutes).

Casing

The all plastic casing provides a long lasting, robust and non-corrosive construction. The units have been constructed from shockproof, heat resistant white plastic, with both motor and impeller mounted within the length of the unit casing. All units are IPX4 protection and are splash proof as required by current regulations.

Impeller

Mixed flow impellers shall be provided with fixed blade angles to meet the required duty. The impeller construction shall comprise of white plastic. Motors and impellers are balanced to ISO 14694 Grade G6.3.

Motors

Motors are to be double insulated with in-built thermal overload protection, with sealed for life bearings, suitable for operating temperatures up to +60°C. Motors are to be wired to a terminal box mounted on the outside of the unit casing.

Quality management

Units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2008. All SMT units are to be tested to ISO 5801:2007 (airside performance) and BS 848 Part 2:1985 (sound performance).

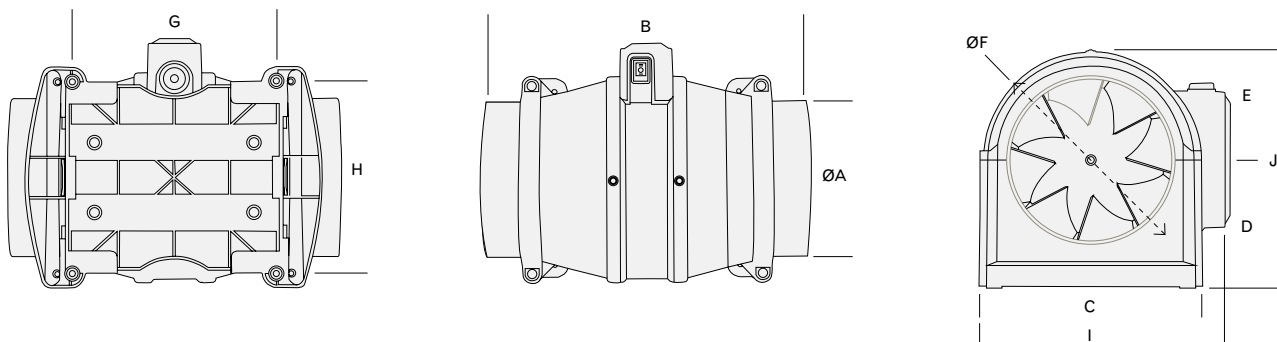
Typical applications

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

Electrical & Sound Data

Product Code	Description	Diameter (mm)	Setting	Max Airflow (l/s)	Speed (rev/min)	Noise dBA @ 3m	FLC (amps)	SC (amps)	Power (kw)
IMF100	Hydor Mixflow In-Line Fan	100	High	65	2308	41	0.15	0.45	0.032
			Low	57	2151	39	0.15	0.45	0.032
IMF125	Hydor Mixflow In-Line Fan	125	High	98	2308	40	0.15	0.48	0.034
			Low	82	2151	38	0.15	0.48	0.033
IMF150	Hydor Mixflow In-Line Fan	150	High	163	2490	49	0.31	0.9	0.069
			Low	123	2340	45	0.25	0.73	0.058
IMF200	Hydor Mixflow In-Line Fan	200	High	258	2434	53	0.55	1.705	0.12
			Low	222	2226	50	0.51	1.58	0.106

Electrical supply 240V / 1Ph / 50Hz. The overall A-weighted sound pressure level is radiated at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only.



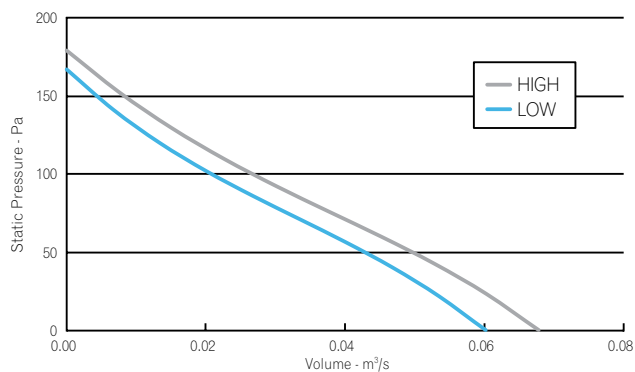
Dimensional data

Size	ØA	B	C	D	E	ØF	G	H	I*	J*
100	97	296	179	104	113	174	154	139.5	202	190
125	124	256	179	102	113	174	154	139.5	202	190
150	147	300	195	112	127	188	182	170	223	211
200	198	310	254	129	146	228	141	230	272	243

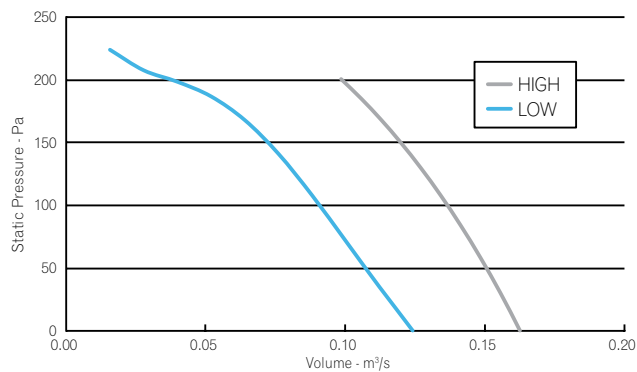
All dimensions in mm. Fan unit rotated 90° in mounting plate.

Performance data

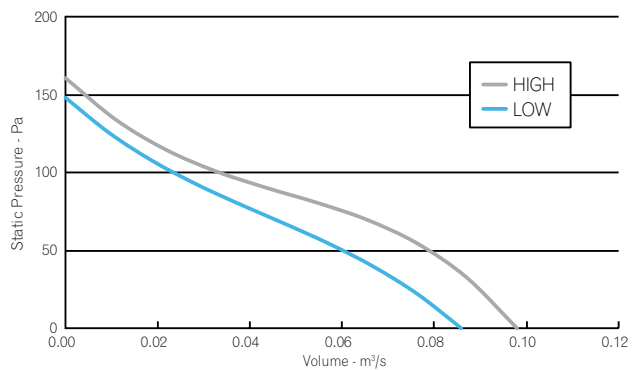
IMF100



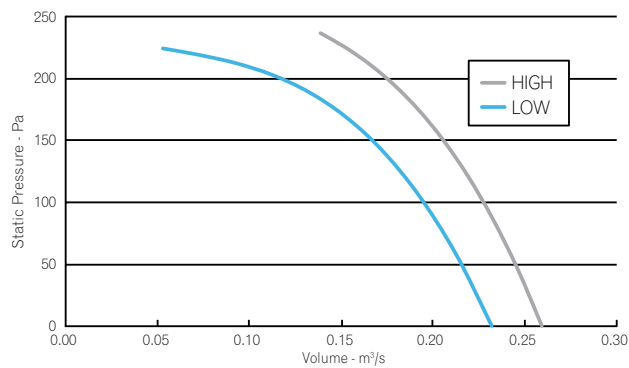
IMF150



IMF125



IMF200



ideal**air** group™

Your **Hydor** distributor: idealair group Pty Ltd

Sydney Unit 9a, 149-163 Mitchell Road Erskineville NSW 2043 T. +61 2 8073 3310 F. +61 2 8073 3320

Melbourne 79-81 Moreland Street, Footscray, VIC 3011 T. +61 3 9696 3044 F. +61 3 9696 0188

Canberra 53 Tennant Street Fyshwick ACT 2609 T. +61 2 6280 5511 F. +61 2 6280 6953

info@idealairgroup.com.au **idealairgroup.com.au**