IMF150
In-line Mixed Flow Fan
Description
The IMF Series are a 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.

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

Features
- All plastic casing provides a long lasting, robust and non-corrosive construction.
- Unique mixed flow impeller with fixed blade angles designed to overcome the resistances of long ducting systems and creates top silent operation.
- Units have been constructed from shockproof, heat resistant white plastic, with both motor and impeller mounted within the unit casing.
- Single-phase induction motor with integral thermal protection, mounted on sealed for life high quality sleeve bearings.
- Wired terminal box mounted on the outside of the unit casing, for ease of connection
- Double insulated so no earth connection is required. Available in Standard and run-on timer versions.
- Suitable for continuous and intermittent running.
- Comes with 2 year warranty.
- Mounting bracket is supplied as standard.

Construction
Fan housing and impeller are made from high quality plastic which is shock proof and long lasting.
Finished in white RAL 9010 and UV resistant.

Ancillary Equipment

How To Order

1. IMF - IMF Series
2. 150 - Fan size

Motor
Type, induction.
Electricity supply - single phase 220-240V 50hz or 220V 60Hz.
Bearings - ball.
Maximum ambient temperature - 50°C.
Class II insulation, IP44 rated.

Internal Thermal Protection
One shot thermal fuse.

Testing
Airflow to ISO 5801:2007 and ANSI/AMCA 210-16
Noise to BS 848 Part 2:1985

Suggested Specification
The in-line fans shall be of the IMF Series as supplied by Elta Fans 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. Motors and impellers are balanced to ISO 14694 Grade G6.3. All models shall be fully tested to ISO 5801:2007 and ANSI/AMCA 210-16 for Airflow and BS848 Part 2:1985 for noise.

Ancillary Equipment

Ceiling Grilles
Ref. Section L

Ducting, Louvres & Grilles
Ref. Section L
Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

### IMF150

Elta Fans Malaysia Sdn. Bhd. certifies that the model IMF150 In-line Mixed Flow Fan shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type D: Ducted inlet, ducted outlet. Speed (RPS) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

### Technical Data

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Free Air m³/sec</th>
<th>Fan Speed rev/sec</th>
<th>Watts</th>
<th>Avg. dB(A) @ 3m</th>
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<tr>
<td>IMF150</td>
<td>0.16</td>
<td>43</td>
<td>67</td>
<td>48</td>
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### Dimensions

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Dimensions, mm</th>
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<tbody>
<tr>
<td>IMF150</td>
<td>A 182, B 298, CØ 147, D 170, F 194, G 223, H 236, I 211</td>
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