ELTA SELECT

Ezifit In-Wall SEIE

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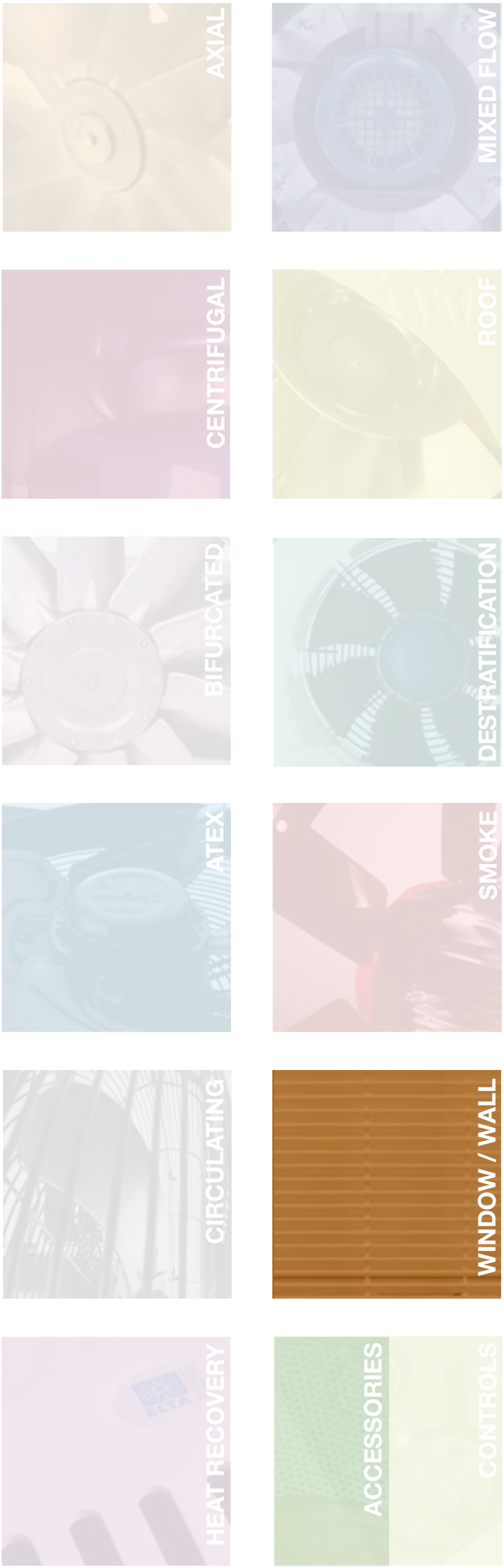


Catalogue Guide

Icon Key

info

The Select Catalogue has a number of symbols and icons, designed to make the catalogue quicker and easier to use. An explanation of these are listed below:

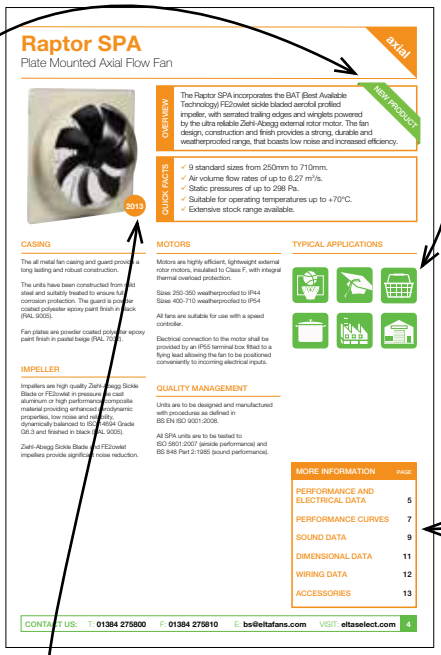
Application Icons

Applications are now represented via a set of pictorial icons. The application icons key is featured on the facing page. Some applications have been grouped together, where the environmental conditions have similarities.

New Products

NEW PRODUCT

The icon to the right indicates a new addition to the Select product range. This will be displayed on the introductory page of each product and can also be seen on the contents page for each category.



Raptor SPA

Plate Mounted Axial Flow Fan

Axial

NEW PRODUCT

OVERVIEW

The Raptor SPA incorporates the BAT (Best Available Technology) FE2owlet sickle bladed aerofoil profiled impeller, with serrated trailing edges and winglets powered by the ultra reliable Ziehl-Abegg external rotor motor. The fan design, construction and finish provides a strong, durable and weatherproofed range, that boasts low noise and increased efficiency.

QUICK FACTS

- 9 standard sizes from 250mm to 710mm.
- Air volume flow rates of up to 6.27 m³/s.
- Static pressures of up to 298 Pa.
- Suitable for operating temperatures up to +70°C.
- Extensive stock range available.

2013

CASING

The all metal fan casing and guard provide a long lasting and robust construction.

The units have been constructed from mild steel and suitably treated to ensure full corrosion protection. The guard is powder coated polyester epoxy paint finish in black (RAL 9005).

Fan plates are powder coated polyester epoxy paint finish in pastel beige (RAL 7032).

IMPELLER

Impellers are high quality Ziehl-Abegg Sickle Blade or FE2owlet in pressure cast aluminum or high performance composite material providing enhanced aerodynamic properties, low noise and reliability, dynamically balanced to ISO 21940 Grade G6.3 and finished in black (RAL 9005).

Ziehl-Abegg Sickle Blade and FE2owlet impellers provide significant noise reduction.

MOTORS

Motors are highly efficient, lightweight external rotor motors, insulated to Class F, with integral thermal overload protection.

Sizes 250-350 weatherproofed to IP44
Sizes 400-710 weatherproofed to IP54

All fans are suitable for use with a speed controller.

Electrical connection to the motor shall be provided by an IP55 terminal box fitted to a flying lead allowing the fan to be positioned conveniently to incoming electrical inputs.

QUALITY MANAGEMENT

Units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2008.

All SPA units are to be tested to ISO 5801:2007 (airside performance) and BS 848 Part 2:1985 (sound performance).

TYPICAL APPLICATIONS

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More Information Box

A more information box now also features on each introductory product page. This makes it easier to locate any further information you may require by displaying the page number to refer to, or directing you to the website - www.eltaselect.com.

2013

2013

New legislation has driven change in the Elta Select range of products. Elta Fans have revolutionised both their new and existing product range to meet legislation directives, but also to incorporate the 'Best Available Technology'; creating a reliable efficient and powerful range of products. The products which conform to the 2013 legislation are indicated with the above logo. This logo is pictured both on the main product page and the category contents page.

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.

Catalogue Guide

Application Key

info

Each product has an indication of typical applications via a set of icons.
Every icon is displayed below, along with the definition of what it represents.

Sports Hall
Squash Courts
Gymnasium

Schools
Colleges

Shopping Mall

Shops
Retail Parks
Commercial

Kitchens

Factories
Industrial Units

Warehousing

Shower Rooms
Bathrooms
Toilets
Changing Rooms

Marine

Agriculture

Airports

Corrosive
Atmospheres

Banks

Hospitals

Hotels

Restaurants
Cafes
Cafeterias
Pubs

Theatres

Air Conditioning

Residential
Public Buildings
Entrance Halls

Underground
Stations

Libraries

Offices

Laundries
Utility Rooms

Temporary
Ventilation
Construction
Sites

Enclosed Car
Parks

Stairwell
Pressurisation

Workshops
Foundries
Welding Bays
Machine Shops
Spray Booths
Lift Motor Rooms

Marquees

Conference Halls

Cooling Towers
Stations
Boiler Houses
Heavy Industrial

Hot Gas
Situations

General HVAC

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Ezifit In-Wall SEIE

Wall Mounted Centrifugal Fan

win/wall

OVERVIEW

The Ezifit In-Wall SEIE unit is a flush mounted fan that's ideal where a ceiling or in-line fan is impractical – such as kitchen canopies, or ducted exhaust systems between floors in residential applications, or through flat roof applications where quiet, powerful exhaust is required and space is limited.

QUICK FACTS

- ✓ Flush mounted and neutral colour grille to compliment most bricks.
- ✓ Can be wired in high, medium or low speed.
- ✓ 3 speed switch available for remote speed control.
- ✓ Suitable for operating temperatures up to +50°C.
- ✓ Compact design.

CASING

The all plastic casing provides a long lasting, robust and non-corrosive construction.

The units have been constructed from shockproof, heat resistant plastic, with both motors and impellers mounted within the length of the unit casing.

The robust neutral coloured external plastic grille is designed to suit most brick colours Fly mesh is fitted to the inside of the grille as standard to keep out insects

IMPELLER

Impellers shall be single inlet backward curved centrifugal type.

Impellers are balanced to ISO 14694 Grade G6.3.

MOTORS

Highly efficient, maintenance free external rotor motors shall be used, matched to the aerodynamic performance of the impeller.

These shall be protected to IP44 and suitable for speed control and working temperatures of up to +50°C.

QUALITY MANAGEMENT

Units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2008.

All SEIE units are to be tested to ISO 5801:2007 (airside performance) and BS 848 Part 2:1985 (sound performance).

TYPICAL APPLICATIONS

MORE INFORMATION

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Ezifit In-Wall SEIE

Performance, Electrical and Sound Data

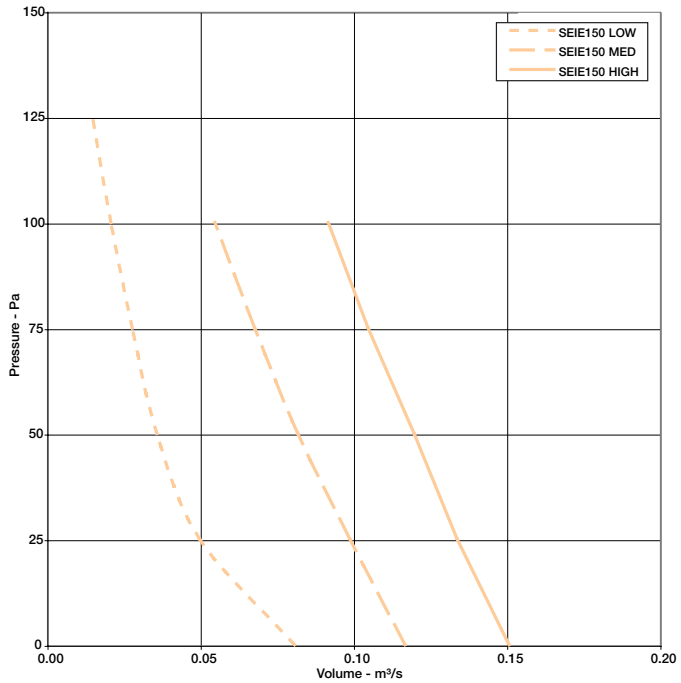
SINGLE Phase - 220-240V / 50Hz

Product Code		Speed r/min	Airflow	Airflow m³/s @ Static Pressure Pa.										Motor Electrical Data		dBA @ 3m
				0	25	50	75	100	125	150	175	200	225	FLC Amps	Power Watts	
SEIE150	Low		m³/s													
	Med		m³/s													
	High		m³/s													

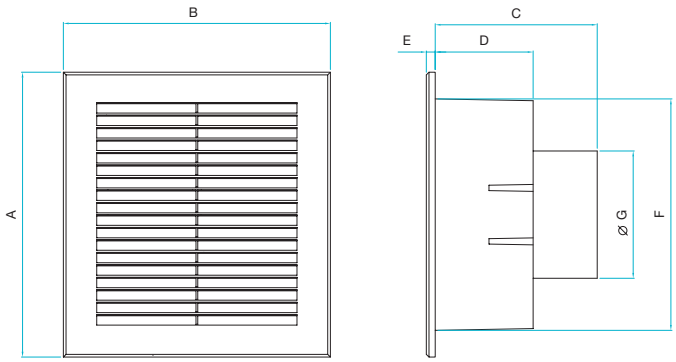
The overall A weighed sound pressure level is at a distance of 3m with spherical free-field prorogation.
It is expressed in dB re-20μPa and is presented for comparative purposes only.

Performance Curves

SINGLE Phase



Dimensional Data



Product Code	A	B	C	D	E	F	G	Weight kg
SEIE150	320	300	182	110	10	260	143	4

All dimensions are shown in mm.

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Ezifit In-Wall SEIE

Wiring Data

Please see our Wiring Diagrams download on www.eltaselect.com for more information.

SINGLE Phase - 220-240V / 50Hz

Product Code	Wiring Diagram No.
SEIE150	152-509

Accessories

Please see our Accessories download on www.eltaselect.com for more information.

SINGLE Phase - 220-240V / 50Hz

Product Code	3 Speed Switch
SEIE150	149-3SP-C

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