

# Slimpak (SLP)

## Features & Benefits

- Ultra slim and compact
- Acoustically treated 'O' class rated
- 'Eco Flow' computer modelled design
- Latest external rotor motor
- Fully speed controllable
- Matching ancillaries



The Slimpak in-line acoustic fans shall be as supplied from Roof Units. Manufactured from prime quality galvanised sheet steel, ensuring a robust in-line fan for those tough site conditions. Slimpak shall be internally treated with an 'O' class rated acoustic foam, which offers the benefits of excellent low level duct bound and breakout sound levels, in addition self extinguishing properties, zero burn role, resistant to ignition, and no toxic fumes.

Slimpak fans are to be suitable for circular ducting ranging in sizes 100, 125, 150, 200, 250 and 315mm with air volumes from 0.075m<sup>3</sup>/s to 0.380m<sup>3</sup>/s and pressure development of up to 550Pa.

The casing shall be specially designed to allow the unit to be mounted quickly and easily. All manufacturing progressed of the Slimpak fan units are computer designed and controlled to BS EN ISO 9001 Standards.

### Impellers

The backward curved centrifugal impellers shall be aerodynamically designed, utilising computer technology combining the impeller with the external rotor motor. The motor and impeller shall be factory matched, statically and dynamically balanced on precision machines, to DIN ISO1940 Grade 6.3, to give quiet, vibration free running. The aerodynamic blades and motor housing shall be manufactured from prime quality galvanised sheet steel.

### Motors

All sizes from 100 to 315 shall be protected to IP44 in accordance with BS EN 60529:1992. With motor insulation Class B, suitable for operating temperatures from -15°C and atmospheres up to 95% RH. The range shall incorporate maintenance free external rotor motors, fitted with sealed for life ball bearings.

All sizes are ideally suitable for speed control by electronic or voltage reduction. Vent-Axia would recommend that a voltage reduction Auto Transformer speed controller is used with all Slimpak units to ensure

minimum noise levels during speed control and to eliminate any possibility of harmonic noise levels which occur when using electronic speed controllers at lower levels.

### Terminal Box

An IP54 terminal box shall be supplied with all models with 20mm cable gland entry.

### Performance

The fan performance, shall be in accordance with tests to BS848 Part 1 1980, with the fan sound levels, measured in a reverberant chamber in accordance with BS848 Part 2 1985.

### Quality Assurance

Design and manufacture shall be in accordance with the standard for quality management systems BS EN ISO 9001:1994.

### Accessories

A full range of accessories are available with the Slimpak range of fans such as:

- Auto Transformer Speed Controllers
- Electronic Speed Controllers
- D.O.L. Starters
- Pre & Secondary Filter Cassettes
- Electric Heater Batteries
- Backdraught Shutters
- In-Line Attenuators
- Wall & Roof Terminals
- Fast Clamps