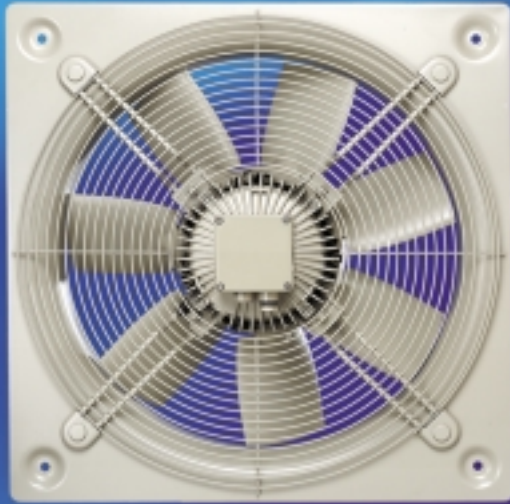


Euroseries (E)

Plate Mounted Axial Fans



Air Volumes up to 15m³/s

Sizes 250 to 1000 dia protected to IP54

Operating Temperatures from -40°C up to +70°C

Motor Insulation Class F

HOT SPOT Protection

All units available as Supply or Extract

2 Year Warranty

Tough epoxy paint finish

Quality Assurance to BS EN ISO 9001:1994

Performance tested to BS848 Part 1 1980

The Euroseries plate mounted axial fans, shall be as supplied from Roof Units, designed around a high performance aluminium impeller and efficient matched motor, to ensure a compact and flush fitting design. The fan shall incorporate into its design, a bellmouth inlet with motor and impeller mounted on to a mounting plate, ensuring excellent performance and sound levels.

The mounting plate shall be pressed from a single sheet of steel, with the complete fan protected by a tough fawn grey epoxy paint finish to RAL 7035, suitable for coastal environments. When provided, wire finger guards and motor mounting supports, shall be manufactured from steel rod, electro welded for strength ensuring safety in operation.

Sizes 250 to 1000, shall have finger guards fitted as standard to the motor side, giving protection to BS848 Part 5. All manufacturing of Euroseries shall be controlled to BS EN ISO 9001 Standards. Impeller side guards are available as optional accessories.

Impellers

The impellers shall be aerodynamically designed, utilising computer technology combining the impeller with the motor. The motor and impeller shall be factory matched, statically and dynamically balanced on precision machines, to VDI 2060 Quality Class G.6.3. The aerodynamic blades and motor housing shall be of die cast aluminium. "Form B" reverse airflow impellers are available to order for sizes 250 to 630 dia. Back-draught shutters should not be used when a Form B impeller is required.

Motors

Sizes 250 to 1000, shall be protected to IP54 against dust and water jets complying with BE EN 60529:1992. With motor insulation Class F as a minimum, suitable for operating temperatures from -40°C to +70°C (Sizes 315 & 355, 2 pole, 50°C Max.)

The motors shall be wound, to suit a 230V/1ph/50Hz or a 400V/3ph/50Hz electrical supply. 1 phase motors shall be permanent capacitor type to optimise efficiency. HOT SPOT

protection, by means of a thermal contact switch incorporated within the windings, shall be provided to prevent motor damage due to overloading/overheating. Most models are suitable for speed control by either electronic, voltage reduction, or frequency inverter where permissible.

Terminal Box

An IP54 terminal box, shall be supplied with all models from 250 to 1000mm, with 20mm and PG11 entry protected against dust and water jets from any angle ensuring suitability for external use.

Euroseries Form of Running

Euroseries plate mounted axial fans, shall be supplied as standard for extract, with a Form 'A' impeller. When used for intake and extract the fan can be wired for reverse running but a 30% (min.) reduction in performance will occur on input only (reversed running). If supply only is required, the unit shall be supplied with Form 'B' impeller ensuring optimum performance. Please note in this installed condition a guard may be required for the impeller side.

Performance

The fan performance, shall be in accordance with 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.

Euroseries Accessories

A full range of accessories are available with the Euroseries plate axial fans such as:

- Electronic Speed Controllers
- Auto Transformer Speed Controllers
- D.O.L. Starters
- Backdraught Shutters
- Wire Guards