**Centrifugal roof fan ERD 31/4 B**

Features

Attractive housing made of galvanised sheet-steel.

Cover easily detachable for cleaning purposes.

Galvanized protective grille on the discharge side, protection against accidental contact in accordance with DIN EN ISO 13857.

Sturdy eyebolts enable transport by crane.

Impeller with blades curved to the rear, dynamically balanced at two levels, in accordance with performance level 6.3, DIN ISO 1940.

Impeller made of glass-fibre filled polypropylene.

AC motor

ERD model series.

Rated voltage 230 V, 50 Hz.

Thermal overload protection as standard feature.

Capacitor motor with operating capacitor ready for connecting.

Electrical connection

To terminal block in the service switch.

Safety instructions

The fan can be operated only if the protection against accidental contact with the impeller is guaranteed to be in accordance with DIN EN 13857 for fans with a free inlet.

Special versions

The following special versions are available at extra cost on request:

Special voltages and frequencies.

Single-phase motors with thermal contacts or PTC thermistor, with potential-free terminal connections.

Fans with enhanced anti-corrosion protection.

Information on operation at temperatures occasionally below -20°C available upon request.

If operating with frequency converters, the factory must be consulted.

Feasibility must be checked in each case.

Technical data

|  |  |
| --- | --- |
| Article: | ERD 31/4 B |
| Air flow volume: | 3.400 m³/h |
| Rotating speed: | 1.425 1/min |
| Speed controllable: | ✔ |
| Reversing capacity: | - |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Nominal output: | 535 W |
| Inom: | 2,4 A |
| Imax: | 2,8 A |
| Degree of protection: | IP 55 |
| Insulation class: | B |
| Installation site: | Roof |
| Installation position: | vertical |
| Material: | Sheet steel, galvanised |
| Weight: | 40,8 |
| Weight including packaging: | 45,34 kg |
| Shutter: | integrated |
| Type of shutter: | Airstream-operated opening/closing |
| Nominal size: | 315 mm |
| Width with packaging: | 750 mm |
| Height with packaging: | 570 mm |
| Depth with packaging: | 750 mm |
| Airstream temperature at nominal current: | -20 °C up to 60 °C |
| Airstream temperature at IMax: | 60 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799870043 |
| Article number: | 0087.0004 |

Manufacturer: MAICO

ERD 31/4 B Centrifugal roof fan