**Centrifugal roof fan DRD 45/4 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.

Three-phase AC motor

DRD model series.

Rated voltage 400 V, 50 Hz.

Thermal overload protection as standard feature, except: available on request for pole-changeable fans.

Potential-free terminal connections, which must be connected to an MV 25 protective motor switch or the control circuit of a contactor.

Pole-changeable fans: Ensure overload protection is guaranteed by a protective motor switch provided by the customer.

DRD 25/64 B: Star / delta switch must be provided by the customer.

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: | DRD 45/4 B |
| Air flow volume: | 8.900 m³/h Air volume (free inlet, free outlet) = 8,900 m<sup>3</sup>/h - air volume (at minimum pressure Delta p min of 300 Pa) = 7,500 m<sup>3</sup>/h |
| Rotating speed: | 1.360 1/min |
| Speed controllable: | - |
| Reversing capacity: | - |
| Type of voltage: | Alternating current |
| Rated voltage: | 400 V |
| Nominal output: | 2.150 W |
| Inom: | 4,1 A |
| Imax: | 5 A |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Installation site: | Roof |
| Installation position: | vertical |
| Material: | Sheet steel, galvanised |
| Weight: | 100,7 |
| Shutter: | integrated |
| Type of shutter: | Airstream-operated opening/closing |
| Nominal size: | 450 mm |
| Airstream temperature at nominal current: | 60 °C |
| Airstream temperature at IMax: | -20 °C up to 60 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799871101 |
| Article number: | 0087.0110 |

Manufacturer: MAICO

DRD 45/4 B Centrifugal roof fan