**Sound-insulated ventilation box EKR 25-2**

Features

The series was developed especially for the tough operating conditions of a kitchen exhaust air fan.

Double-walled housing made of galvanised sheet steel, for high demands and especially low noise levels.

Supply of medium to large air volumes at high resistances.

Not sensitive to hot airstreams of up to 120° C.

Inlet and outlet side connection sockets for direct installation in ventilation ducts, with double sealed lips.

With mounting track and 4 vibration dampers.

Fan unit can be swivelled out for cleaning and maintenance.

Motor located outside of the air flow.

With condensation drain if the exhaust socket points upwards.

Strong centrifugal impellers with backward curved blades.

Motor

Motor can be regulated by transformers using voltage reduction.

Terminal connections for thermal contacts.

Motor protection through an external MAICO MVE 10 triggering device.

IP X4 degree of protection for closed housing covers as well as duct connections fitted on the inlet and outlet sides.

Mounting instructions

Installation with upward, right-hand or left-hand exhaust sockets.

If the unit is mounted with the exhaust socket pointing to the left or the right, the service door must be altered by the customer.

Electrical connection

Externally fitted terminal box with cable screw-connection.

Safety instructions

The fan may be operated only if the protection against accidental contact with the impeller is guaranteed to be in accordance with DIN EN ISO 13857 for fans with free inlet or outlet. To do this, fit a protective grille.

Technical data

|  |  |
| --- | --- |
| Article: | EKR 25-2 |
| Air flow volume: | 2.500 m³/h |
| Air volumenom: | 1.518 m³/h in opt. efficiency |
| Pressure pfs, nom: | 581 Pa in opt. efficiency |
| Rotating speed nnom: | 2.844 1/min in opt. efficiency |
| Rotating speed: | 1.670 1/min |
| Speed controllable: |  ✔  |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 450 W in opt. efficiency |
| Inom: | 2 A in opt. efficiency |
| Imax: | 3,2 A |
| Degree of protection: | IP X4 |
| Insulation class: | F |
| Mains cable: | 5 x 1,5 mm² |
| Installation position: | vertical / horizontal |
| Material: | Sheet steel, galvanised |
| Housing material: | Sheet steel, galvanised |
| Colour: | Silver |
| Weight: | 37,88 kg |
| Weight including packaging: | 46 kg |
| Swivelling fan: |  ✔  |
| Nominal size: | 250 mm |
| Width: | 592 mm |
| Height: | 687 mm |
| Depth: | 567 mm |
| Width with packaging: | 750 mm |
| Height with packaging: | 735 mm |
| Depth with packaging: | 680 mm |
| Airstream temperature at IMax: | -20 °C up to 120 °C |
| Ambient temperature: | 80 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799808831 |
| Article number: | 0080.0883 |

Manufacturer: MAICO

EKR 25-2 Sound-insulated ventilation box