**Semi-centrifugal duct fan ERM 22**

Features

Reduced space requirement due to compact dimensions.

IP 55 degree of protection for horizontal installation positions or when the airstream direction is downwards.

Inlet and outlet side connection couplings for direct installation in ventilation ducts.

Semi-centrifugal impeller, favourable flow technology.

Inflow direction equals outflow direction. Thus resulting in simple installation.

Pearl white, similar to RAL 1013.

Air flow direction

Airstream and rotational directions are indicated by arrows marked on the fan housing

Motor

ERM 15: Shaded-pole motor

ERM 18: Capacitor motor

Speed controllable.

Operating capacitor in the terminal box is ready to be connected.

Thermal overload protection as a standard feature.

Potential-free terminal connections, which must be connected to e.g. an MVE 10 protective motor switch or the control circuit of a contactor.

Robust motor with ball bearings, maintenance-free.

Mounting instructions

Can be fitted in any position.

Use ELM flexible cuffs to prevent transfer of vibrations onto the duct system.

Electrical connection

Externally fitted terminal box with cable guide bushes.

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 free outlet. To do this, fit a SGM protective grille.

Special versions

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

Special voltages and frequencies.

PTC thermistor on terminals.

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

Feasibility must be checked in each case.

Technical data

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| Article: | ERM 22 |
| Air flow volume: | 580 m³/h Measured with 1 m duct on the inlet and outlet side |
| Rotating speed: | 2.750 1/min |
| Speed controllable: |  ✔  |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 165 W |
| Inom: | 0,7 A |
| Imax: | 0,95 A |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Mains cable: | 3 x 1,5 mm² |
| Housing material: | Synthetic material, shock-resistant |
| Colour: | Pearl white, similar to RAL 1013 |
| Weight: | 5,6 kg |
| Weight including packaging: | 5,48 kg |
| Nominal size: | 200 mm |
| Width with packaging: | 290 mm |
| Height with packaging: | 235 mm |
| Depth with packaging: | 285 mm |
| Airstream temperature at nominal current: | -20 °C up to 60 °C |
| Airstream temperature at IMax: | -20 °C up to 60 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799802044 |
| Article number: | 0080.0204 |

Manufacturer: MAICO

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