**Diagonal fan ERK 100 S**

Features

Duct fan, made of polypropylene.

Connection sockets on the outlet and inlet sides correspond to a folded spiral-seams duct diameter.

For direct installation between ducts.

Easy inspection and maintenance by simply opening the clamp and removing the fan.

Diagonal impeller with downstream stator (exception: ERK 100, axial impeller).

Motor

Asynchronous motor, 1, 2 or 3 levels, depending on model.

IP 44 degree of protection.

Robust motor with ball bearings, maintenance-free.

Speed control using phase control or transformer possible (exception: Version T and ST).

There can be a physically induced humming noise, through the use of phase angle technology. 5-step transformers are therefore used for speed control in rooms requiring quiet fan operations.

Thermal overload protection as a standard feature.

Electrical connection

Externally fitted terminal box with cable entry grommet.

Safety instructions

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

Technical data

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| Article: | ERK 100 S |
| Model: | Particularly powerful model |
| Air flow volume: | 160 m³/h / 250 m³/h |
| Rotating speed: | 1.700 1/min / 2.300 1/min |
| Impeller type: | diagonal |
| Speed controllable: | ✔ |
| Reversing capacity: | - |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 18 W / 30 W |
| Imax: | 0,1 A / 0,18 A |
| Degree of protection: | IP 44 |
| Insulation class: | B |
| Installation position: | vertical / horizontal |
| Material: | PP plastic |
| Housing material: | Polypropylene |
| Colour: | white-grey |
| Weight: | 2,03 kg |
| Weight including packaging: | 2,54 kg |
| Nominal size: | 100 mm |
| Width: | 168 mm |
| Height: | 232 mm |
| Depth: | 315 mm |
| Width with packaging: | 235 mm |
| Height with packaging: | 295 mm |
| Depth with packaging: | 330 mm |
| Airstream temperature: | 40 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799801757 |
| Article number: | 0080.0175 |

Manufacturer: MAICO

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