**Diagonal fan EDR 31**

Features

For direct installation in ducts.

Displacement of medium to large air volumes against high levels of resistance.

Compact dimensions, low weight and integrated installation plate simplify fast installation.

High efficiency reduces operating costs: Depending on level of use, purchase price is amortised after just one year.

Suction nozzle for turbulence-reduced air intake.

Diagonal impeller with downstream stator.

Profiled impeller and stator blades ensure optimum flow.

With diffuser to increase static pressure.

Gap sealing between intake and pressure chamber reduces overflow losses.

Meridian flow course prevents turbulence.

IP X4 degree of protection. Exception EDR 45 to EDR 56 IP 54.

Insulation class F.

AC motor

Electrical connection via external terminal box.

Speed can be controlled using transformers.

Thermal overload protection as a standard feature.

Depending on versions, thermal contacts must be connected to an MVE 10 full motor protection switch or the control circuit of a contactor.

Electrical connection

50 Hz power frequency.

Technical data

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| Article: | EDR 31 |
| Air flow volume: | 3.400 m³/h |
| Air volumenom: | 2.243 m³/h in opt. efficiency |
| Pressure pfs, nom: | 466 Pa in opt. efficiency |
| Rotating speed nnom: | 2.776 1/min in opt. efficiency |
| Rotating speed: | 2.800 1/min |
| Impeller type: | diagonal |
| Speed controllable: | ✔ |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 460 W in opt. efficiency |
| Inom: | 2,3 A in opt. efficiency |
| Imax: | 3,2 A |
| Degree of protection: | IP X4 |
| Insulation class: | F |
| Mains cable: | 3 x 1,5 mm² |
| Installation position: | vertical / horizontal |
| Housing material: | Sheet steel, galvanised |
| Colour: | Silver grey |
| Weight: | 14,88 kg |
| Weight including packaging: | 15,51 kg |
| Nominal size: | 315 mm |
| Width: | 349 mm |
| Height: | 324 mm |
| Depth: | 351 mm |
| Width with packaging: | 390 mm |
| Height with packaging: | 345 mm |
| Depth with packaging: | 360 mm |
| Airstream temperature at IMax: | 70 °C |
| Ambient temperature: | 70 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799806578 |
| Article number: | 0080.0657 |

Manufacturer: MAICO

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