Type: EM 100L E2 01

Item number: 137668

Description:

Variable mounting position, horizontal and vertical installation possible. Direct in-line installation in the ventilation tube. Integrated mounting bracket for easy mounting. Housing PPGF30 in RAL 7012, basalt grey. The high-performance construction material has 30% glass fiber content and is very resistant to corrosion and weathering. The significant reduction in the flow losses also minimizes the generation of sound and leads, in connection with the vibration-optimized design, to a smooth operation.

Diagonal fan, with three-dimensionally shaped impeller blades and a three-dimensionally shaped diffuser downstream. This results in the highest possible aerodynamic efficiency. The impeller is balanced in two planes according to G6.3 DIN ISO 1970. Robust single phase asynchronous motors for direct grid connection The motor is protected in the hub area and exerts no disturbing influence on the aerodynamics. A built-in thermostatic switch protects the motor against overload. The electrical connection is to be done via the cable lead out through the housing.

CE marking according to EC Declaration of Conformity for Electromagnetic Compatibility EMC - Directive 2004/108/EC. EC - Declaration of Incorporation according to the Machinery Directive 2006/42/EC - Directive 2009/125/EC (Reg.

1253/2014/EU).

Technical data:

Volumetric flow (V): m³/h Pressure increase (Δp fa): Pa Efficiency static max. (η fa): 6,5 % Efficiency total max. (ηt): 7,4 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 13 W Current consumption max. (I max.): 0,2 A Rated speed (n): 2420 min-1

Protection class motor: IP 00

Protection class terminal box: IP - Ambient temperature max. (t A): 60 °C Medium temperature max. (tM): 60 °C

Casing sound power level (L WA2): 52 dB(A) Inlet sound power level (L WA5): 53 dB(A) Outlet sound power level (LWA6): 53 dB(A)

Dimensions (L x Ø): 231 x 130 mm Connection diameter: Ø99 mm Weight: 0,8 kg

Wiring diagram: 137507

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

Tel. 07930-9211300 [www.ruck.eu](http://www.ruck.eu/)

Type: EM 100L E2 01

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| Available accessories:  VM 100 | 102643 | Fast clamps, 1 set = 2 pcs., size 100 |
| RSK 100D | 116061 | Backdraught shutter with seal size 100 |
| RSK 100 | 102658 | Backdraught shutter size 100 |
| SDS 100 | 102709 | Silencer rigid, 1m, sound insulation 50mm, size 100 |
| SDF 100 | 102699 | Silencer flexible, 1m, sound insulation 50mm, size 100 |
| FT 100 | 112844 | Air filter box for bag filter (without bag filter) size 100 |
| LFT 05 F5 | 102939 | Bag filter, M5, size 1, for FT 100-250 |
| LFT 05 F7 | 102945 | Bag filter, F7, size 1, for FT 100-250 |
| FV 100 | 112678 | 0Air filter box with mat filter size 100 |
| SG 100 01 | 102894 | Protection grille size 100 |
| GS 03 | 107633 | Isolator switch |