Type: EM 280 E2M 01

Item number: 130471

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. By opening the mounting bracket, the housing can be easily rotated to bring the terminal box in the desired position. 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. The high-performance construction material has 30% glass fiber content and is very resistant to corrosion and weathering.

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. Asynchronous, 3-speed, induction motor. 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. Electrical connection through the terminal box integrated on 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): 49,7 % Efficiency total max. (ηt): 52,9 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 239 W Current consumption max. (I max.): 1,1 A Rated speed (n): 2750 min-1

Protection class motor: IP 00

Protection class terminal box: IP 44

|  |  |  |
| --- | --- | --- |
| Ambient temperature max. (t A): Medium temperature max. (tM): | 60 °C60 °C |  |
| Casing sound power level (L WA2): | 63 dB(A) |
| Inlet sound power level (L WA5): | 77 dB(A) |
| Outlet sound power level (LWA6): | 80 dB(A) |
| Dimensions (L x H): Connection diameter: Weight: | 280 x 323 mmØ280 mm8,6 kg | (incl. connection box and mounting bracket) |
| Wiring diagram: | 129292 |  |

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

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| Available accessories: |  |
| VM 280 | 115494 | Fast clamps, 1 set = 2 pcs., size 280 |
| SDS 280 | 115243 | Silencer rigid, 1m, sound insulation 50mm, size 280 |
| GS 03 | 107633 | Isolator switch |
| MTS 10 | 128145 | 3-steps speed selector |