Type: EM 160L E2M 01

Item number: 126549

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): 33,9 % Efficiency total max. (ηt): 37,5 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 45 W Current consumption max. (I max.): 0,3 A Rated speed (n): 2730 min-1

Protection class motor: IP 00

Protection class terminal box: IP 44

|  |  |  |
| --- | --- | --- |
| Ambient temperature max. (t A): Medium temperature max. (tM): | 60 °C  60 °C |  |
| Casing sound power level (L WA2): | 57 dB(A) |
| Inlet sound power level (L WA5): | 66 dB(A) |
| Outlet sound power level (LWA6): | 66 dB(A) |
| Dimensions (L x H): Connection diameter: Weight: | 289 x 239 mm  Ø160 mm  2,5 kg | (incl. connection box and mounting bracket) |
| Wiring diagram: | 126783 |  |

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 160 | 102649 | Fast clamps, 1 set = 2 pcs., size 160 |
| RSK 160D | 113485 | Backdraught shutter with seal size 160 |
| RSK 160 | 102661 | Backdraught shutter size 160 |
| SDS 160 | 102717 | Silencer rigid, 1m, sound insulation 50mm, size 160 |
| SDF 160 | 102703 | Silencer flexible, 1m, sound insulation 50mm, size 160 |
| FT 160 | 112841 | Air filter box for bag filter (without bag filter) size 160 |
| 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 |
| FTW 160 | 112852 | Air filter box for bag filter with warm water heating coil, M5 filter box size 160 |
| FV 160 | 112831 | Air filter box with mat filter size 160 |
| SG 160 01 | 102897 | Protection grille size 160 |
| GS 03 | 107633 | Isolator switch |
| MTS 10 | 128145 | 3-steps speed selector |