Type: EM 250 EC 02

Item number: 130491

Description:

Variable mounting position, horizontal and vertical installation possible. Direct in-line installation in the tube network. Integrated mounting bracket for easy mounting. Housing PPGF30 in RAL 7012, basalt gray. 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 ride. The high-performance construction material has a 30% glass fiber content and it 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. Highest efficiency, electronically commutated permanent magnet motor (EC motor). Through the EC technology, the

ETAMASTER can operate very efficiently even at part load. The motor is protected in the hub area and exerts no disturbing influence on the aerodynamics. The internal electronic temperature monitoring protects the motor against overload. Electrical connection via on the housing integrated terminal box.

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): 58,0 % Efficiency total max. (ηt): 62,3 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 304 W Current consumption max. (I max.): 2,1 A Rated speed (n): 3700 min-1

Protection class motor: IP 33

Protection class terminal box: IP 44

|  |  |  |
| --- | --- | --- |
| Ambient temperature max. (t A): Medium temperature max. (tM): | 45 °C  45 °C |  |
| Casing sound power level (L WA2): | 67 dB(A) |
| Inlet sound power level (L WA5): | 82 dB(A) |
| Outlet sound power level (LWA6): | 86 dB(A) |
| Dimensions (L x H): Connection diameter: Weight: | 215 x 300 mm  Ø249 mm  4,1 kg | (incl. connection box and mounting bracket) |
| Wiring diagram: | 130303 |  |

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 250 | 102651 | Fast clamps, 1 set = 2 pcs., size 250 |
| RSK 250D | 113488 | Backdraught shutter with seal size 250 |
| RSK 250 | 102686 | Backdraught shutter size 250 |
| SDS 250 | 102721 | Silencer rigid, 1m, sound insulation 50mm, size 250 |
| SDF 250 | 102705 | Silencer flexible, 1m, sound insulation 50mm, size 250 |
| FT 250 | 112845 | Air filter box for bag filter (without bag filter) size 250 |
| 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 250 | 112854 | Air filter box for bag filter with warm water heating coil, M5 filter box size 250 |
| FV 250 | 112833 | Air filter box with mat filter size 250 |
| SG 250 01 | 102899 | Protection grille size 250 |
| GS 03 | 107633 | Isolator switch |
| MTP 20 | 128146 | Potentiometer 0-10V, stepless |
| MTP 30 | 143289 | Stepped potentiometer, +10Vdc, step 1+2 adjustable, step 3 100% Vdc |
| MTP 40 | 147359 | Potentiometer for connection in terminal box, sales unit 20 pcs. |
| CON P1000 | 115259 | Constant pressure control with day-night switch function |
| CLIMASET01 | 111314 | Accessories set for CON P1000, pressure hose, nipples and screws |
| SEN AIR | 148641 | Airflow and temperature transducer |
| SEN CO2 | 126586 | CO2 Sensor, for variable air volume control (e.g. in meeting rooms) |