Description:

Fully insulated fan box for mounting in ventilation tubes. For easy mounting in tubes, the connecting pieces are provided with a lip seal. Housing made of galvanized sheet steel with sound-absorbing inner lining of 40 mm mineral wool with abrasion resistant glass fiber coating according to DIN EN 13 501-1 Class A1. Mounting position horizontally and vertically possible. Through a removable cap, the swing-out fan unit is easy to clean. Ventilator unit easily removable from the

sound proof casing. With integrated mounting bracket for easy installation.

The impeller with backward curved blades is fitted on the external rotor of an energy saving, high efficiency EC-motor. The impeller is balanced according to the quality class G 6.3 of DIN / ISO 1940, on 2 planes. Closed drive motor, maintenance- free ball bearings with lifetime lubrication, sealed on both sides. All fans are standard equipped with motor protection. The electrical connection is to be done via an external terminal box. The integrated electronic of the EC-motor makes possible the control using a 0-10V signal (e.g. potentiometer or CO2 Sensor).

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 (Δpfa): Pa Efficiency static max. (ηfa): 40,9 % Efficiency total max. (ηt): 41,6 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (PN): 204 W Current consumption max. (Imax.): 1,8 A Rated speed (n): 2870 min-1

Protection class motor: IP 33 Protection class terminal box: IP 44 Ambient temperature max. (tA): 70 °C Medium temperature max. (tM): 70 °C

Casing sound power level (LWA2): 67 dB(A) Inlet sound power level (LWA5): 68 dB(A) Outlet sound power level (LWA6): 81 dB(A)

Dimensions (L x W x H): 460x482x287 mm Connection diameter: 250 mm Weight: 18,9 kg

Wiring diagram: 130303

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

|  |  |  |
| --- | --- | --- |
| 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, filter M5, size 250 |
| FV 250 | 112833 | Air filter box with mat filter size 250 |
| SG 250 01 | 102899 | Protection grille size 250 |
| RD ISOR 01 | 129882 | Rain cover for ISOR |
| 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) |