Type: RS 250 EC Item number: 131531

Description:

Powerful, direct drive centrifugal fan with backward curved impeller, for tube mounting. The mounting position of the fan is, by desire, horizontally or vertically.

The tube fan consists of a metal housing with a powder-coating in light gray (RAL 7035). The impeller with backward curved blades is fitted on the external rotor of an energy saving, closed EC-motor. The impeller is balanced together with the motor according to the quality class G 6.3 of DIN / ISO 1940, on 2 planes. For maintenance-free use, there are ball bearings with lifetime lubrication, sealed on both sides. The internal electronic temperature monitoring protects the motor against overload. The electrical connection box is located on the outside of the casing. The motor is controllable via a potentiometer or another 0-10V signal.

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): 43,2 % Efficiency total max. (ηt): 44,0 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 118 W Current consumption max. (I max.): 1,0 A Rated speed (n): 2810 min-1

Protection class motor: IP 54

Protection class terminal box: IP 44

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| --- | --- | --- |
| Ambient temperature max. (t A): Medium temperature max. (tM): | 60 °C  60 °C |  |
| Casing sound power level (L WA2): | 55 dB(A) |
| Inlet sound power level (L WA5): | 69 dB(A) |
| Outlet sound power level (LWA6): | 70 dB(A) |
| Dimensions (L x H): Connection diameter: Weight: | 234 x 386 mm  Ø249 mm  4,0 kg | (incl. terminal box) |
| Wiring diagram: | 130302 |  |

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

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| Type:  Item number: | RS 250 EC  131531 |  |
| Available accessories: |  |
| MRS 2 | 110095 | Mounting bracket |
| 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 |
| 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) |