Type: EMKI 8050 EC 21

Item number: 136750

Description:

Compact casing made of galvanized steel sheet with very low casing radiation noise. Variable mounting possibilities, in horizontal or vertical position. Direct duct installation via 20mm flange profiles on the casing.

The incorporated diagonal fans make, through their design, a significantly more compact construction size possible and, at the same time, offer a higher flexibility than conventional radial fans. The three-dimensionally curved impeller and stator blades ensure a successful and flow optimized air guidance, which makes the highest aerodynamic efficiency possible.

The impeller is balanced according to the quality class G 6.3 of DIN / ISO 1940, in 2 planes. 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. The electrical connection box IP 44 is protected, being installed inside the device casing. The PE-cable gland placed on the casing ensures a simple electrical connection.

The straight flow of the EMKI fans considerably reduces the losses on the downstream installed components. The ELKI series is particularly suitable for noise-sensitive applications in combination with the very efficient duct silencers (type: SDE) which reduce the noise by up to 22 dB(A).

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): 49,8 % Efficiency total max. (ηt): 50,6 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 535 W Current consumption max. (I max.): 3,7 A Rated speed (n): 2210 min-1

Protection class motor: IP 33

Protection class terminal box: IP - Ambient temperature max. (t A): 35 °C Medium temperature max. (tM): 35 °C

Casing sound power level (L WA2): 55 dB(A) Inlet sound power level (L WA5): 78 dB(A) Outlet sound power level (LWA6): 82 dB(A)

Dimensions (L x W x H): 838,5x538x362 mm Duct connection: 820x520 mm Weight: 26,9 kg

Wiring diagram: 131908

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

Type: EMKI 8050 EC 21

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| Available accessories:  VS 8050 | 103953 | Flexible duct connector size 8050 |
| VKK 8050 | 103945 | Automatic damper size 8050 |
| SDE 8050 L02 | 127754 | Duct silencer BG 8050 |
| GS 01 | 102787 | 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) |