Type: MPS 450 EC 30

Item number: 149322

Description:

This extract fan is suitable for extracting fat impregnated kitchen exhaust air. The casing is made out of galvanized sheet steel and lined with 40 mm mineral wool, noncombustible according to DIN EN 13501-1, building material class A1. The assembled mounting rails are equipped with rubber vibration dampers and they can also be repositioned on the casing, enabling three discharge directions. The air tube connectors have standard dimensions and double lip seals for airtight connections. A grease pan is integrated in the casing, only usable when installed with upwards discharge. The drain connector is located under the device base. The swing out fan section is also used as access door for cleaning and maintenance works, being lockable in opened position.

The backward curved strong impeller is mounted on the shaft of an energy saving internal rotor EC motor. The impeller is dynamically balanced according to the quality class G 6.3 of DIN / ISO 1940, on 2 planes. Via the integrated EC controller it is possible to continuously adjust the speed of the motor using a 0-10 V signal. The motor is located outside the air stream and as such optimally protected against soiling. The motor protection is provided by integrated thermal monitoring of the motor electronic.

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): 57,2 % Efficiency total max. (ηt): 64,3 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 1350 W Current consumption max. (I max.): 9,7 A Rated speed (n): 1640 min-1

Protection class motor: IP 54

Protection class terminal box: IP - Ambient temperature max. (t A): 50 °C Medium temperature max. (tM): 120 °C

Casing sound power level (L WA2): 70 dB(A) Inlet sound power level (L WA5): 83 dB(A) Outlet sound power level (LWA6): 83 dB(A)

Dimensions housing (W x D x H): 832x365x751 mm Connection diameter: Ø354 mm Connection condensate: - " Weight: 74,0 kg

Wiring diagram: 149253

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

Type: MPS 450 EC 30

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| Available accessories:  WK MPS 07 | 127953 | Wall mounting bracket |
| VM 355 | 102653 | Fast clamps, 1 set = 2 pcs., size 355 |
| RSK 355 D | 113491 | Backdraught shutter with seal size 355 |
| RSK 355 | 102665 | Backdraught shutter size 355 |
| WSH MPS EC 03 | 136001 | Weather protection for motor |
| 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. |
| SEN AIR | 148641 | Airflow and temperature transducer |
| SEN P1000 | 126080 | Differential pressure sensor |
| CON P1000 | 115259 | Constant pressure control with day-night switch function |
| CLIMASET01 | 111314 | Accessories set for CON P1000, pressure hose, nipples and screws |