Description:

This extract fan is suitable for extract of kitchen fat exhaust. The casing is made of galvanized steel sheet and lined up 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 air tight connections. A grease pan/condensate drain is integrated in casing, only usable when installed with discharge up. The condensate 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 highly performant impeller consists of powder coated steel plate and is mounted on the shaft of a three phase motor with a special shaft seal that prevents the ingress of oil and water. The impeller is dynamically balanced according to the quality class G 6.3 of DIN / ISO 1940, on 2 planes. The ball bearings are maintenance free and life time lubricated, sealed on booth sides. Speed control possible via frequency converter. The motor is located outside the air stream and so optimum protected against dirt. The motor thermal protection must be installed on site (monitoring of the thermal motor current via a FU or motor protection switch).

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): 53,7 % Efficiency total max. (ηt): 57,8 %

Rated voltage (U): 400, 3~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 1504 W Current consumption max. (I max.): 3,0 A

Rated speed (n): 1450 min-1

Protection class motor: IP 55

Protection class terminal box: IP - Ambient temperature max. (t A): 50 °C Medium temperature max. (tM): 200 °C

Casing sound power level (L WA2): 72 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): 1016x510x915 mm Connection diameter: Ø399 mm Connection condensate: 3/4 " Weight: 112,7 kg

Wiring diagram: 141262

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

|  |  |  |
| --- | --- | --- |
| Available accessories:WK MPS 08 | 128095 | Wall mounting bracket |
| VM 400 | 102654 | Fast clamps, 1 set = 2 pcs., size 400 |
| RSK 400 D | 113490 | Backdraught shutter with seal size 400 |
| RSK 400 | 102691 | Backdraught shutter size 400 |
| WSH MPS | 103661 | Weather protection for motor |
| GS 03 | 107633 | Isolator switch |
| MS 02 | 140409 | Motor protection switch with device switch function |
| FU 15 13 | 141855 | Frequency controller, output voltage 0-230V, 3~, 1500W, IP66 |
| FU 15 19 | 141877 | Frequency controller, output voltage 0-400V, 3~, 1500W, IP66 |
| 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. Stück |
| SEN AIR | 148641 | Airflow and temperature transducer |
| CON P1000 | 115259 | Constant pressure control with day-night switch function |
| CLIMASET01 | 111314 | Accessories set for CON P1000, pressure hose, nipples and screws |