Description:

Double wall cubic casing made of galvanized steel sheet and lined up with 30 mm strong mineral wool noncombustible according to DIN EN 13501-1, building material class A1. Device base with integrated condensate pan and drain connector. For cleaning and maintenance works the inspection door can be completely removed using the door handle. The door handle is included loose in the delivery. The internal surface of the casing is completely smooth. The side panels are screwed in the casing frame, so that no screws protrude on the inside of casing.

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): 48,6 % Efficiency total max. (ηt): 49,6 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 954 W Current consumption max. (I max.): 4,4 A

Rated speed (n): 3640 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): 77 dB(A) Inlet sound power level (L WA5): 80 dB(A) Outlet sound power level (LWA6): 91 dB(A)

Dimensions housing (W x D x H): 500x500x500 mm

Weight: 38,1 kg

Wiring diagram: 149253

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

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| Available accessories:  UCPD 500 | 146783 | Panel with condensate drain |
| 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 P1000 | 126080 | Differential pressure sensor |