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 consists of powder coated steel plate and is mounted on the shaft of a IEC 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. Speed control possible via frequency converter. The motor is located outside the air flow. 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): 42,2 % Efficiency total max. (ηt): 44,0 %

Rated voltage (U): 400, 3~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 700 W Current consumption max. (I max.): 1,3 A

Rated speed (n): 2790 min-1

Protection class motor: IP 55

Protection class terminal box: IP - Ambient temperature max. (t A): 60 °C Medium temperature max. (tM): 200 °C

Casing sound power level (L WA2): 71 dB(A) Inlet sound power level (L WA5): 81 dB(A) Outlet sound power level (LWA6): 86 dB(A)

Dimensions housing (W x D x H): 673x552x500 mm

Weight: 41,3 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:  UCPD 500 | 146783 | Panel with condensate drain |
| GS 03 | 107633 | Isolator switch |
| MS 02 | 140409 | Motor protection switch with device switch function |
| FU 075 16 | 141849 | Frequency controller, output voltage 0-230V, 3~, 750W, IP66 |
| FU 075 28 | 141871 | Frequency controller, output voltage 0-400V, 3~, 750W, 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. |
| 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 |