Description:

Double wall cubic casing made of galvanized sheet steel and lined 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 and can be mounted on any side, as desired. The side walls and the cap can be easily removed allowing three possible discharge directions (left, right or up). 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 (Δpfa): Pa Efficiency static max. (ηfa): 50,6 % Efficiency total max. (ηt): 50,9 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (PN): 840 W Current consumption max. (Imax.): 3,9 A Rated speed (n): 3660 min-1

Protection class motor: IP 54

Protection class terminal box: IP - Ambient temperature max. (tA): 40 °C Medium temperature max. (tM): 120 °C

Casing sound power level (LWA2): 78 dB(A) Inlet sound power level (LWA5): 81 dB(A) Outlet sound power level (LWA6): 87 dB(A)

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

Weight: 33,0 kg

Wiring diagram: 144495

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

|  |  |  |
| --- | --- | --- |
| Available accessories:  GR MPC 01 | 123430 | Base frame |
| WSH MPC 01 | 123431 | Weather protection for motor |
| WSG MPC 500 | 140741 | Weather protection grille for MPC / MPCT |
| UQR 500 250 01 | 136232 | Circular outlet duct connection flange for MPC / MPCT |
| UQR 500 315 01 | 136201 | Circular outlet duct connection flange for MPC / MPCT |
| USM 500 315 | 107181 | Circular outlet duct connection flange for MPC / MPCT |
| USM 500 355 | 107182 | Circular outlet duct connection flange for MPC / MPCT |
| AS MPC 250 | 140836 | Inlet spigot for MPC / MPCT |
| AS MPC 315 | 140844 | Inlet spigot for MPC / MPCT |
| AS MPC 355 | 140956 | Inlet spigot for MPC / MPCT |
| RD MPC 500 | 140073 | Rain cover |
| UCP 500 | 142567 | Closed panel for MPC |
| 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 | |
| CON P1000 | 115259 | Constant pressure control with day-night switch function |
| CLIMASET01 | 111314 | Accessories set for CON P1000, pressure hose, nipples and screws |