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 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 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 (Δpfa): Pa Efficiency static max. (ηfa): 60,7 % Efficiency total max. (ηt): 66,0 %

Rated voltage (U): 400, 3~ V Rated frequency (f): 50 Hz Rated power consumption (PN): 2761 W Current consumption max. (Imax.): 7,0 A

Rated speed (n): 990 min-1

Protection class motor: IP 55

Protection class terminal box: IP -

Ambient temperature max. (tA): 60 °C Medium temperature max. (tM): 120 °C

Casing sound power level (LWA2): 70 dB(A) Inlet sound power level (LWA5): 81 dB(A) Outlet sound power level (LWA6): 83 dB(A)

Dimensions housing (W x D x H): 1200x1200x1200 mm

Weight: 235,0 kg

Wiring diagram: 151312

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

|  |  |  |
| --- | --- | --- |
| Available accessories:GR MPC 04 | 152696 | Base frame |
| WSH MPC 04 | 152682 | Weather protection for motor |
| MB MPC 04 | 152709 | Cover plate for motor |
| WSG MPC 1200 | 152716 | Weather protection grille for MPC / MPCT |
| UQR 1200 630 01 | 152633 | Circular outlet duct connection flange for MPC / MPCT |
| UQR 1200 710 01 | 152628 | Circular outlet duct connection flange for MPC / MPCT |
| USM 1200 630 | 152665 | Circular outlet duct connection flange for MPC / MPCT |
| USM 1200 710 | 152657 | Circular outlet duct connection flange for MPC / MPCT |
| AS MPC 710 | 152672 | Inlet spigot for MPC / MPCT |
| RD MPC 1200 | 152745 | Rain cover |
| UCP 1200 | 152667 | Closed panel for MPC |
| GS 03 | 140413 | Isolator switch |
| MS 04 | 150236 | Motor protection switch with device switch function |
| FU 55 09 | 150237 | Frequency controller, output voltage 0-400V, 3~, 5500W, IP20 |
| FU 55 10 | 152633 | Frequency controller, output voltage 0-400V, 3~, 5500W, 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 |