Type: MPC 710 D6 40

Item number: 150953

Description:

The cubic casing is 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. Integrated base pan. The side walls can be easily removed and repositioned to get one of two possible blowing directions (lateral or linear). For cleaning and maintenance works the inspection door can be completely removed using the door handle. The casing internal surface is completely smooth. The side panels are screwed in the casing frame, so that no screws protrude on the inside of the casing.

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 both sides. Speed control possible via frequency converter. The motor is located within 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): 61,8 % Efficiency total max. (ηt): 66,0 %

Rated voltage (U): 400, 3~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 2838 W Current consumption max. (I max.): 7,0 A Rated speed (n): 980 min-1

Protection class motor: IP 55

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

Casing sound power level (L WA2): 64 dB(A) Inlet sound power level (L WA5): 81 dB(A) Outlet sound power level (LWA6): 82 dB(A)

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

Weight: 242,0 kg

Wiring diagram: 151821

Manufacturer:

ruck Ventilatoren GmbH Max-Planck-Str. 5

97944 Boxberg

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

Type: MPC 710 D6 40

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| --- | --- | --- |
| Available accessories:  GR MPC 1200 | 152696 | Base frame |
| WSH MPC 1200 | 152682 | Weather protection for motor |
| WSG MPC 1200 | 152716 | Weather protection grille for MPC / MPCT |
| UQR 1200 630 | 152633 | Circular outlet duct connection flange for MPC / MPCT |
| UQR 1200 710 | 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 | 107633 | Isolator switch |
| MS 04 | 140413 | Motor protection switch with device switch function |
| FU 55 09 | 150236 | Frequency controller, output voltage 0-400V, 3~, 5500W, IP20 |
| FU 55 10 | 150237 | 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. |
| MTP 50 | 153133 | Potentiometer with mutifunction output |
| 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 |