Type: MPC 280 E2 T20

Item number: 126681

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 highly performant impeller consists of powder coated steel plate and is mounted on the shaft of a voltage controllable IEC standard motor. 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 transformer controller device. The motor is located outside the air flow and standard equipped with

built in thermal contact (wired in the connection box) for overheating protection.

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): 46,9 % Efficiency total max. (ηt): 47,4 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 703 W Current consumption max. (I max.): 4,1 A Rated speed (n): 2910 min-1

Protection class motor: IP 54

Protection class terminal box: IP 54

Ambient temperature max. (t A): 75 °C Medium temperature max. (tM): 80 °C

Casing sound power level (L WA2): 75 dB(A) Inlet sound power level (L WA5): 80 dB(A) Outlet sound power level (LWA6): 82 dB(A)

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

Weight: 46,0 kg

Wiring diagram: 127819

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:GR MPC 01 | 123430 | Base frame |
| WSH MPC 01 | 123431 | Weather protection for motor |
| MB MPC 01 | 116411 | Cover plate 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 01 | 102787 | Isolator switch |
| TEM 050 | 103519 | 5-step transformer box with connection for motor protection, IP54 |
| TEM 050G | 109966 | 5-step trafo box with connection for motor protection and gas valve, IP54 |
| TES 050 | 103955 | 7-step transformer without motor protection, for switch cabinet, IP20 |