Type: MPC 450 E4 T20

Item number: 126624

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): 44,9 % Efficiency total max. (ηt): 48,0 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 793 W Current consumption max. (I max.): 4,5 A Rated speed (n): 1450 min-1

Protection class motor: IP 54

Protection class terminal box: IP 54

Ambient temperature max. (t A): 65 °C Medium temperature max. (tM): 65 °C

Casing sound power level (L WA2): 70 dB(A) Inlet sound power level (L WA5): 76 dB(A) Outlet sound power level (LWA6): 79 dB(A)

Dimensions housing (W x D x H): 700x700x700 mm

Weight: 73,0 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 02 | 123432 | Base frame |
| WSH MPC 02 | 123433 | Weather protection for motor |
| MB MPC 02 | 116410 | Cover plate for motor |
| WSG MPC 700 | 140748 | Weather protection grille for MPC / MPCT |
| UQR 700 400 01 | 139863 | Circular outlet duct connection flange for MPC / MPCT |
| UQR 700 450 01 | 139868 | Circular outlet duct connection flange for MPC / MPCT |
| UQR 700 500 01 | 139871 | Circular outlet duct connection flange for MPC / MPCT |
| USM 700 400 | 107214 | Circular outlet duct connection flange for MPC / MPCT |
| USM 700 450 | 107240 | Circular outlet duct connection flange for MPC / MPCT |
| USM 700 500 | 107241 | Circular outlet duct connection flange for MPC / MPCT |
| AS MPC 400 | 140847 | Inlet spigot for MPC / MPCT |
| AS MPC 450 | 140852 | Inlet spigot for MPC / MPCT |
| AS MPC 500 | 140871 | Inlet spigot for MPC / MPCT |
| RD MPC 700 | 140093 | Rain cover |
| UCP 700 | 142568 | 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 |