Type: ISOR 160 E2 20

Item number: 135005

Description:

Fully insulated fan box for mounting in ventilation tubes. For easy mounting in tubes, the connecting pieces are provided with a lip seal. Housing made of galvanized sheet steel with sound-absorbing inner lining of 40 mm mineral wool with abrasion resistant glass fiber coating according to DIN EN 13 501-1 Class A1. Mounting position horizontally and vertically possible. Through a removable cap, the swing-out fan unit is easy to clean. Ventilator unit easily removable from the

sound proof casing. With integrated mounting bracket for easy installation.

An efficiency-optimized impeller with backward curved blades is fitted on the external rotor of a voltage controllable motor. The impeller is balanced according to the quality class G 6.3 of DIN / ISO 1940, on 2 planes. Closed drive motor, maintenance-free ball bearings with lifetime lubrication, sealed on both sides. All fans with standard motor protection using thermal contact and internally connected motor capacitor. The electrical connection is to be done via an external terminal box.

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): 24,9 % Efficiency total max. (ηt): 25,5 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 49 W Current consumption max. (I max.): 0,3 A

Rated speed (n): 2390 min-1

Protection class motor: IP 33

Protection class terminal box: IP 44

Ambient temperature max. (t A): 70 °C Medium temperature max. (tM): 70 °C

Casing sound power level (L WA2): 50 dB(A) Inlet sound power level (L WA5): 53 dB(A) Outlet sound power level (LWA6): 66 dB(A)

Dimensions (L x W x H): 378x383x232 mm Connection diameter: 160 mm Weight: 11,8 kg

Wiring diagram: 116403

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:  VM 160 | 102649 | Fast clamps, 1 set = 2 pcs., size 160 |
| RSK 160D | 113485 | Backdraught shutter with seal size 160 |
| RSK 160 | 102661 | Backdraught shutter size 160 |
| SDS 160 | 102717 | Silencer rigid, 1m, sound insulation 50mm, size 160 |
| SDF 160 | 102703 | Silencer flexible, 1m, sound insulation 50mm, size 160 |
| FT 160 | 112841 | Air filter box for bag filter (without bag filter) size 160 |
| LFT 05 F5 | 102939 | Bag filter, M5, size 1, for FT 100-250 |
| LFT 05 F7 | 102945 | Bag filter, F7, size 1, for FT 100-250 |
| FTW 160 | 112852 | Air filter box for bag filter with warm water heating coil, M5 filter box size 160 |
| FV 160 | 112831 | Air filter box with mat filter size 160 |
| SG 160 01 | 102897 | Protection grille size 160 |
| RD ISOR 01 | 129882 | Rain cover for ISOR |
| GS 01 | 102787 | Isolator switch |
| MTY 1 | 103428 | Electronic controller, stepless |
| TEE 015 | 115893 | 5-step transformer box without connection for motor protection, IP54 |
| TES 0145 | 111858 | 7-step transformer without motor protection, for switch cabinet, IP20 |