Type: KVR 4020 E2 30

Item number: 145647

Description:

Duct fan for installation in ventilation duct networks. Compact casing made of galvanized sheet steel with overall reduced length. For easy mounting in air ducts, with 20 mm standard flanges on both sides. Mounting position horizontally and vertically possible.

The efficiency-optimized impeller with backward curved blades is fitted on the external rotor of a voltage controllable motor. The impeller is balanced together with the motor according to the quality class G 6.3 of DIN / ISO 1940, on 2 planes. The duct fan is easy to clean due to swing out fan section, thus the fan is also suitable for transporting slightly polluted air. Closed drive motor with maintenance-free ball bearings with lifetime lubrication, sealed on both sides. The motor protection is provided by a thermal contact integrated into the winding, wired internally in series. The electrical connection is to be done via the connection box mounted on casing.

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): 39,9 % Efficiency total max. (ηt): 40,1 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 158 W Current consumption max. (I max.): 0,8 A Rated speed (n): 2720 min-1

Protection class motor: IP 33

Protection class terminal box: IP 44

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| --- | --- | --- |
| Ambient temperature max. (t A): Medium temperature max. (tM): | 45 °C  45 °C |  |
| Casing sound power level (L WA2): | 63 dB(A) |
| Inlet sound power level (L WA5): | 77 dB(A) |
| Outlet sound power level (LWA6): | 78 dB(A) |
| Dimensions (L x W x H): Duct connection:  Weight: | 420x440x269 mm  400x200 mm  9,8 kg | (incl. terminal box) |
| Wiring diagram: | 116471 |  |

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:  VS 4020 | 102802 | Flexible duct connector size 4020 |
| VKK 4020 | 103896 | Automatic damper size 4020 |
| 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 |