Type: RS 100L 20

Item number: 143351

Description:

Powerful, direct drive centrifugal fan with backward curved impeller, for tube mounting.

The mounting position of the fan is, by desire, horizontally or vertically. The tube fan consists of a metal housing with a powder-coating in light gray (RAL 7035). The closed external rotor motor is protected against overheating by a built-in thermal contact. The impeller is balanced together with the motor according to the quality class G 6.3 of DIN / ISO 1940, on 2 planes. For maintenance-free use, there are ball bearings with lifetime lubrication, sealed on both sides. The electrical connection box is located on the outside of the casing. Control: voltage and electronic.

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): 17,6 % Efficiency total max. (ηt): 19,2 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 28 W Current consumption max. (I max.): 0,2 A Rated speed (n): 2710 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): | 60 °C  60 °C |  |
| Casing sound power level (L WA2): | 48 dB(A) |
| Inlet sound power level (L WA5): | 59 dB(A) |
| Outlet sound power level (LWA6): | 60 dB(A) |
| Dimensions (L x H): Connection diameter: Weight: | 209 x 287 mm  Ø99 mm  2,8 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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| Type:  Item number: | RS 100L 20  143351 |  |
| Available accessories: |  |
| MRS 1 | 110094 | Mounting bracket |
| VM 100 | 102643 | Fast clamps size 100 |
| RSK 100D | 116061 | Backdraught shutter with seal size 100 |
| RSK 100 | 102658 | Backdraught shutter size 100 |
| SDS 100 | 102709 | Silencer rigid, 1m, sound insulation 50mm, size 100 |
| SDF 100 | 102699 | Silencer flexible, 1m, sound insulation 50mm, size 100 |
| FT 100 | 112844 | Filter box for bag filter (without bag filter) size 100 |
| LFT 05 F5 | 102939 | Bag filter, M5, Gr 1 |
| LFT 05 F7 | 102945 | Bag filter, F7, Gr 1 |
| FTW 100 | 112849 | Filter box with integrated heating coil, size 100, bag filter M5 |
| FV 100 | 112678 | Filter box with mat filter, size 100 |
| SG 100 | 102894 | Protection grille size 100 |
| 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 |