Type: DVNI 280 E2 30

Item number: 145087

Description:

Centrifugal roof fan with backward curved impeller and vertical discharge. Housing made of weather-resistant aluminium AlMg3, with 40mm mineral wool insulation. The air outlet is protected by a protection grille against intrusion, birds, dirt and other foreign objects. Baseplate of galvanized steel sheet with deep drawn air inlet and preassembled screws for the possibility of connecting pipe flanges and accessories according to DIN 24154 / EN 12 220. The fan has been conceived for easy mounting on roof socket (optional accessory) without the necessity of removing the housing. Swing-out fan unit

for cleaning and maintenance purposes. Suited for use according to VDI 2052. The incorporated grease pan and drain avoid roof soiling and ensure a controlled drainage of fat impregnated impurities.

The efficiency-optimized impeller with backward curved blades is fitted on the shaft of a voltage controllable IEC standard motor. The impeller is provided with a Taperlock clamping bush which ensures improved balancing quality and higher operational stability. The impeller is balanced together with the motor according to the quality class G 6.3 of DIN / ISO

1940, on 2 planes. Speed control possible via transformer controller device. The drive motor is placed outside of the airstream. For maintenance-free use, there are ball bearings with lifetime lubrication, sealed on both sides. The motor protection is provided by a thermal contact integrated into the winding, wired externally. The electrical connection is to be done via the integrated isolator switch.

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): 47,8 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 661 W Current consumption max. (I max.): 3,8 A Rated speed (n): 2745 min-1

Protection class motor: IP 54

Protection class terminal box: IP - Ambient temperature max. (t A): 80 °C Medium temperature max. (tM): 120 °C

Inlet sound power level (L WA5): 79 dB(A) Outlet sound power level (LWA6): 79 dB(A)

Dimensions (L x W x H): 655x655x512 mm

Weight: 42,5 kg

Wiring diagram: 121998

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:  DSF 280-10 | 126164 | Roof socket, flat roof size 280 |
| DSF 280-12 up to 19 |  | Sloped roof socket, size 280, slope optional in 3° increments (3-24°) |
| DSS 280-10 | 126383 | Roof socket, flat roof, sound insulated, size 280 |
| DSS 280-12 up to 19 |  | Sloped roof sound insulated socket, size 280, |
|  |  | slope optional in 3° increments (3-24°) |
| DAP 280 | 133954 | Roof adapter plate size 280 |
| DVK 250 10 | 152997 | Roof - Gravity shutter size 250 |
| DAS 250 F4 | 145423 | Roof - Inlet spigot size 250 |
| DAF 200 | 110737 | Roof - Inlet flange size 200 |
| DAF 250 | 110585 | Roof - Inlet flange size 250 |
| 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 |