Type: EL 450 E4 01

Item number: 119336

Description:

Variable mounting position, horizontal and vertical installation possible. Direct in-line installation in the tube network. Integrated mounting bracket for easy mounting. Housing made of aluminium. ETALINE sets the standard for high efficiency in the entire performance range. Due to the high efficiency achieved through the aerodynamics of the fan, together with the integrated engine, the entire range could be kept compact and weight-optimized.

Diagonal fan with three-dimensionally shaped impeller blades and a three-dimensionally shaped diffuser downstream. This results in the highest possible aerodynamic efficiency. The impeller is balanced in two planes according to G6.3 DIN ISO

1970. The motor is protected in the hub area and exerts no disturbing influence on the aerodynamics. A built-in thermostatic switch protects the motor against overload. The high efficiency of the ETALINE fan is based on its aerodynamic quality. Due to the axial flow, this series significantly minimizes the installation losses, in comparison with centrifugal fans. With integrated asynchronous capacitor motors, designed for voltage control by transformer. The electrical connection is to be done via the cable lead out through the housing or in the mounted 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): 50,3 % Efficiency total max. (ηt): 54,8 %

Rated voltage (U): 230, 1~ V Rated frequency (f): 50 Hz Rated power consumption (P N): 454 W Current consumption max. (I max.): 3,1 A Rated speed (n): 1435 min-1

Protection class motor: IP 54

Protection class terminal box: IP 44

|  |  |  |
| --- | --- | --- |
| Ambient temperature max. (t A): Medium temperature max. (tM): | 80 °C80 °C |  |
| Casing sound power level (L WA2): | 66 dB(A) |
| Inlet sound power level (L WA5): | 72 dB(A) |
| Outlet sound power level (LWA6): | 77 dB(A) |
| Dimensions (L x H): Connection diameter: Weight: | 467x467 mmØ450 mm18,4 kg | (incl. terminal box) |
| Wiring diagram: | 120750 |  |

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 450 | 119495 | Fast clamps, 1 set = 2 pcs., size 450 |
| SDS 450 | 124179 | Silencer rigid, 1m, sound insulation 50mm, size 450 |
| SG 450 01 | 134285 | Protection grille size 450 |
| SG 450 02 | 119411 | Inlet protection grille for Etaline size 450 |
| GS 01 | 102787 | Isolator switch |
| TEM 035 | 103502 | 5-step transformer box with connection for motor protection, IP54 |
| TES 035 | 103954 | 7-step transformer without motor protection, for switch cabinet, IP20 |