Type: EL 500 D4 01

Item number: 117580

Description:

Variable mounting position, horizontal and vertical installation possible. Direct in-line installation in the tube network. Integrated mounting bracket for easy mounting. Casing 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 loses, in comparison with centrifugal fans. With integrated asynchronous three phase motors designed for operation with frequency converter. This

is especially recommended when the fan is frequently operated at partial load. The connecting cable comes laterally out of the housing.

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): 59,8 % Efficiency total max. (ηt): 64,3 %

Rated voltage (U): 230, 3~ V Rated frequency (f): 70 Hz Rated power consumption (P N): 1930 W Current consumption max. (I max.): 7,1 A Rated speed (n): 2040 min-1

Protection class motor: IP 54

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

Casing sound power level (L WA2): 79 dB(A) Inlet sound power level (L WA5): 83 dB(A) Outlet sound power level (LWA6): 93 dB(A)

|  |  |  |
| --- | --- | --- |
| Dimensions (L x H): | 516x512 mm | (incl. mounting bracket) |
| Connection diameter: | 500 mm |  |
| Weight: | 23..6 kg |  |

Wiring diagram: 116460

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 500 | 118094 | Fast clamps, 1 set = 2 pcs., size 500 |
| SG 500 01 | 134286 | Protection grille size 500 |
| SG 500 02 | 119191 | Inlet protection grille for Etaline size 500 |
| GS 03 | 107633 | Isolator switch |
| FU 22 01 | 117547 | Frequency controller, output voltage 0-230V, 3~, 2200W, IP55 |
| FU 22 04 | 121262 | Frequency controller, output voltage 0-230V, 3~, 2200W, IP21 |
| MTP 20 | 128146 | Potentiometer 0-10V, stepless |
| MTP 30 | 143289 | Stepped potentiometer, +10Vdc, step 1+2 adjustable, step 3 100% Vdc |
| MTP 40 | 147359 | Potentiometer for connection in terminal box, sales unit 20 pcs. |
| CON P1000 | 115259 | Constant pressure control with day-night switch function |
| CLIMASET | 111314 | Accessories set for CON P1000, pressure hose, nipples and screws |
| SEN AIR | 148641 | Airflow and temperature transducer | |
| SEN CO2 | 126586 | CO2 Sensor, for variable air volume control (e.g. in meeting rooms) |