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**SK 3140.500**

**Roof-Mounted Fans**

State: 1/13/2026 (Source: [ittal.com/us-en](http://ittal.com/us-en))



FRIEDHELM LOH GROUP

# SK 3140.500 - Roof-Mounted Fans with EC technology

The new generation of roof-mounted fans (EC version) is one system for all sizes: only one mounting cut-out is needed for all output categories. Air routing with minimal pressure losses ensures a high level of efficiency, while an innovative clamping attachment supports a high protection category of IP54. The fan may be activated via the control interface with tacho signal output integrated as standard, and monitoring of the fan speed and function is supported.

## Features

|  |   |
|--|---|
| Model No.  | SK 3140.500   |
| Version  | roof-mounted<br>EC  |
| Product description  | Energy-efficient and powerful roof-mounted fans. The fan may be activated via the control interface with tacho signal output integrated as standard. Also, monitoring of the fan speed and function is supported. |
| Material   | Carbon steel  |
| Color  | RAL 7035  |
| Supply includes  | Complete unit ready to install, including pleated filter  |
| Fan  | Radial, EC motor  |
| Unimpeded air flow (with pleated filter)   | At 50 Hz: 976 m <sup>3</sup> /h<br>At 60 Hz: 976 m <sup>3</sup> /h<br>At 50 Hz: 574.45 cfm<br>At 60 Hz: 574.45 cfm  |
| Unimpeded air flow (without filter mats)   | At 50 Hz: 1,069 m <sup>3</sup> /h<br>At 60 Hz: 1,069 m <sup>3</sup> /h<br>At 50 Hz: 629.19 cfm<br>At 60 Hz: 629.19 cfm  |
| Air flow (with folded filter in roof-mounted fan) with outlet filter incl. fleece filter mat | 1 x 3243200: 690 m <sup>3</sup> /h<br>2 x 3243200: 830 m <sup>3</sup> /h  |
| Air flow (without filter in roof-mounted fan) with outlet filter incl. fleece filter mat     | 1 x 3243200: 690 m <sup>3</sup> /h  |

# Features

|                                      |   |
|--------------------------------------|---|
| Rated operating voltage              | 220 V - 240 V, 1~, 50 Hz/60 Hz  |
| Rated power Pel                      | At 50 Hz: 129 W<br>At 60 Hz: 129 W  |
| Rated current max.                   | At 50 Hz: 1 A<br>At 60 Hz: 1 A  |
| Dimensions                           | Width: 400 mm<br>Height: 133 mm<br>Depth: 400 mm<br>Width: 15.7 "<br>Height: 5.24 "<br>Depth: 15.7 "  |
| Installation depth                   | 34.6 mm<br>1.36 "   |
| Mounting cut-out                     | Width of opening: 258 mm<br>Depth of opening: 258 mm<br>Width of opening: 10.2 "<br>Depth of opening: 10.2 "  |
| Protection category IP to IEC 60 529 | IP 21 without filter mat<br>IP 54 including pleated filter  |
| Protection category NEMA             | NEMA 12   |
| Control interface                    | Yes   |
| Pre-fuse                             | Miniature circuit-breaker/fuse: 3 A   |
| Note                                 | A chopped fiber filter can be used to increase the protection category to IP 55 (see accessories).<br>For even more efficient operation or for monitoring the fans, we recommend the use of an EC speed control |
| Service life of fans (L10, 40 °C))   | At 50 Hz: 84,000 h<br>At 60 Hz: 84,000 h  |
| Operating temperature range          | -20 °C...55 °C<br>-4 °F...131 °F  |
| Storage temperature range            | -40 °C...70 °C<br>-40 °F...158 °F   |
| Noise pressure level                 | At 50 Hz: 60 dB(A)<br>At 60 Hz: 60 dB(A)  |

## Features

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|                       |               |
|-----------------------|---------------|
| Packaging unit        | 1 pc(s).      |
| Net weight            | 5.6           |
| Gross weight          | 5.82          |
| Customs tariff number | 84145915      |
| EAN                   | 4028177709126 |
| ETIM 9                | EC000320      |
| ETIM 8                | EC000320      |
| ECLASS 8.0            | 27180716      |

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## Approvals

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|              |  |
|--------------|--|
| Approvals    | CSA<br>30 - KC Korea<br>TÜV-certified safety<br>UL + C-UL - FTTA<br>UR + C-UR (recognized) |
| Explanations | Declaration of conformity<br>Declaration of conformity UK                                  |

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