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## SK 3240.500 TopTherm Filter Fan Units

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# SK 3240.500 - TopTherm Filter Fan Units with EC technology

Energy-efficient design of the RTT filter fans with EC technology. From 105.94 cfm with integrated control interface (0-10 V / PWM input and tachometer output signal) for controlling and monitoring the fan.

## Features

|  |   |
|--|---|
| Model No.                                      | SK 3240.500   |
| Version  | wall-mounted<br>EC  |
| Product description                            | Energy-efficient version of the TopTherm filter fans with diagonal fan technology. Fan 3240.50x to 3245.51x may be controlled and monitored. 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. |
| Product modification                           | Since May 2024, the cover for the connection terminal is no longer part of the TopTherm filter fan. During testing, it was found not to be required by the standards and does not impair function or operational safety.  |
| Color  | RAL 7035  |
| Supply includes                                | Complete unit ready to install, including chopped fiber filter mat  |
| Fan  | Diagonal, EC motor  |
| Unimpeded air flow (with chopped fiber filter) | At 50 Hz: 175 m³/h<br>At 60 Hz: 175 m³/h<br>At 50 Hz: 103 cfm<br>At 60 Hz: 103 cfm  |
| Unimpeded air flow (with pleated filter)       | At 50 Hz: 218 m³/h<br>At 60 Hz: 188 m³/h<br>At 50 Hz: 128.31 cfm<br>At 60 Hz: 110.65 cfm  |

# Features

|  |   |
|--|---|
| Air throughput with outlet filter<br>incl. chopped fiber filter mat<br>(quantity x order number) | 1 x 3240200: 130 m³/h<br>2 x 3240200: 159 m³/h  |
| Rated operating voltage  | 200 V - 240 V, 1~, 50 Hz/60 Hz  |
| Rated power Pel  | At 50 Hz: 11 W<br>At 60 Hz: 11 W  |
| Rated current max.   | At 50 Hz: 0.12 A<br>At 60 Hz: 0.15 A  |
| Dimensions   | Width: 255 mm<br>Height: 255 mm<br>Width: 10 "<br>Height: 10 "  |
| Installation depth   | 107 mm<br>4.21 "  |
| Mounting cut-out   | Width of opening: 224 mm<br>Cut-out height: 224 mm<br>Width of opening: 8.82 "<br>Cut-out height: 8.82 "  |
| Protection category IP to IEC 60529  | IP 54 with chopped fiber filter/pleated filter<br>IP 55 with pleated filter and absorber mat<br>IP 56 with chopped fiber filter/pleated filter and hose-proof hood  |
| Protection category NEMA   | Type 12 with chopped fiber filter/pleated filter<br>Type 3<br>Type 3R<br>Type 4<br>Type 4X with chopped fiber filter/pleated filter and hose-proof hood   |
| Control interface  | Yes   |
| Pre-fuse   | Miniature circuit-breaker/fuse: 6 A   |
| Note   | A pleated filter can optionally be used to increase the air throughput (see characteristic curve). This can be used with both the filter & roof-mounted fans and the exhaust filters.<br>For even more efficient operation or for monitoring the fan-and-filter units, we recommend the use of a speed control EC for EC fan-and-filter unit (from air flow rates of 180 m³/h). |

## Features

|                             |  |
|-----------------------------|--|
| Operating temperature range | -25 °C...55 °C<br>-13 °F...131 °F        |
| Storage temperature range   | -25 °C...70 °C<br>-13 °F...158 °F        |
| Noise pressure level        | At 50 Hz: 47 dB(A)<br>At 60 Hz: 47 dB(A) |
| Packaging unit              | 1 pc(s).                                 |
| Net weight                  | 1.773                                    |
| Gross weight                | 1.973                                    |
| Customs tariff number       | 84145915                                 |
| EAN                         | 4028177664142                            |
| ETIM 9                      | EC000320                                 |
| ETIM 8                      | EC000320                                 |
| ECLASS 8.0                  | 27180716                                 |

## Approvals

|              |   |
|--------------|---|
| Approvals    | CSA<br>UL + C-UL - FTTA<br>UR + C-UR (recognized)         |
| Explanations | Declaration of conformity<br>Declaration of conformity UK |