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## SK 3245.510 TopTherm filter fans

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FRIEDHELM LOH GROUP



# SK 3245.510 - TopTherm filter fans with EC technology

Energy-efficient version of the RTT fan-and-filter units with EC technology. From 180 m<sup>3</sup>/h with integral control interface (0-10 V / PWM input and tachosignal output) to regulate and monitor the fan.



## Features

|   |  |
|---|--|
| Model No.   | SK 3245.510  |
| Design  | wall-mounted<br>EC   |
| Product description   | Energy-efficient version of the TopTherm fan-and-filter units with diagonal fan technology. For controlling and monitoring fans 3240.50x to 3245.51x. 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. |
| Product modification  | The cover for the connection clamp has not been part of the TopTherm filter fans since May 2024. In testing, it proved not to be necessary to meet the standard, and affects neither function nor operational reliability.   |
| Colour  | RAL 7035   |
| Supply includes   | Complete unit ready to install, including chopped-fibre filter mat   |
| Fan   | Diagonal, EC motor   |
| Air throughput, unimpeded airflow (with pleated filter)       | At 50 Hz: 1,125 m <sup>3</sup> /h<br>At 60 Hz: 1,125 m <sup>3</sup> /h   |
| Air throughput, unimpeded airflow (with chopped-fibre filter) | At 50 Hz: 890 m <sup>3</sup> /h<br>At 60 Hz: 890 m <sup>3</sup> /h   |

# Features

|  |  |
|--|--|
| Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number) | 1 x 3243200: 630 m <sup>3</sup> /h<br>2 x 3243200: 770 m <sup>3</sup> /h   |
| Rated operating voltage  | 100 V - 130 V, 1~, 50 Hz/60 Hz   |
| Power consumption Pel  | At 50 Hz: 165 W<br>At 60 Hz: 165 W   |
| Rated current max.   | At 50 Hz: 2.1 A<br>At 60 Hz: 2.1 A   |
| Dimensions   | Width: 323 mm<br>Height: 323 mm  |
| Installation depth   | 130.5 mm   |
| Mounting cut-out   | Cut-out width: 292 mm<br>Cut-out height: 292 mm  |
| IP protection category to IEC 60 529   | IP 51 with chopped-fibre filter/pleated filter<br>IP52 with pleated filter and absorber mat<br>IP 56 with chopped-fibre filter/pleated filter and hose-proof hood  |
| Protection category NEMA   | Type 1<br>Type 12<br>Type 3<br>Type 3R with chopped-fibre filter/pleated filter and hose-proof hood  |
| Control interface  | Yes  |
| Pre-fuse   | Miniature circuit-breaker/fuse: 6 A  |
| Note   | To increase the air throughput, a pleated filter may optionally be used (see characteristic curve). Suitable for use with fan-and-filter units, roof-mounted fans and outlet filters.<br>For even more efficient operation or for monitoring the filter fans, we recommend the use of the EC speed control for EC filter fans (from an air throughput of 180 m <sup>3</sup> /h). |
| Operating temperature range  | -25 °C...55 °C   |
| Storage temperature range  | -25 °C...70 °C   |
| Noise level  | At 50 Hz: 72 dB(A)<br>At 60 Hz: 72 dB(A)   |
| Packs of   | 1 pc(s).   |

## Features

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|                       |  |
|-----------------------|--|
| Net weight            | 3.605 kg   |
| Gross weight          | 3.805 kg   |
| Customs tariff number | 84145915   |
| ETIM 9                | EC000320   |
| ETIM 8                | EC000320   |
| ECLASS 8.0            | 27180716   |
| Product description   | SK Fan-and-filter unit TopTherm, 890 m <sup>3</sup> /h, 100-130 V, 1~, 50/60 Hz, WHD: 323 x 323 x 25 mm, EC technology |

## Approvals

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

# Tender text

TopTherm fan-and-filter units with EC technology

Energy-efficient version of the

TopTherm fan-and-filter units with diagonal fan technology.

Fans 3240.500 to 3245.510 may be controlled and monitored.

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.

Air throughput (unimpeded air flow): 890 m<sup>3</sup>/h

Power consumption 50/60 Hz: 165 / 165 W

Rated power input 50/60 Hz: 2,1 / 2,1 A

Rated operating voltage: 100-130 V, 1~, 50/60 Hz

Diagonal fan: Diagonal, EC motor

Dimensions [WxH]: 323x323 mm

Installation depth: 130,5 mm

Build depth: 25 mm

Required mounting cut-out [WxH]: 292x292 mm

Operating temperature range: -25 °C to 55 °C

Storage temperature range: -25 °C to 70 °C

Colour: RAL 7035

Protection category IP to IEC 60 529:

IP 51 with fleece filter/pleated filter

IP 52 with pleated filter and absorber mat

IP 56 with fleece filter/pleated filter and hose-proof hood

Protection category NEMA:

Type 1, 12, 3, 3R with fleece filter/pleated filter and hose-proof hood

Noise level 50/60 Hz: 72 / 72 dB(A)

Service life 50/60 Hz: 59.000 h

Weight: 3,76 kg