

# Rittal – The System.

Faster – better – everywhere.



## SK 3243.500

# TopTherm Filter Fan Units

State: 5/4/2025 (Source: [rittal.com/us-en](http://rittal.com/us-en))

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3243.500 - 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 3243.500   |
| 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                    | The cover for the connection clamp has not been part of the TopTherm fan-and-filter units since May 2024. In testing, it proved not to be necessary to meet the standard, and affects neither function nor operational reliability.   |
| Color                                   | RAL 7035  |
| Supply includes                         | Complete unit ready to install, including fleece filter mat   |
| Fan                                     | Diagonal, EC motor  |
| Unimpeded air flow (with fleece filter) | At 50 Hz: 540 m <sup>3</sup> /h<br>At 60 Hz: 540 m <sup>3</sup> /h<br>At 50 Hz: 317.8 cfm<br>At 60 Hz: 317.8 cfm  |
| Unimpeded air flow (with folded filter) | At 50 Hz: 625 m <sup>3</sup> /h<br>At 60 Hz: 716 m <sup>3</sup> /h<br>At 50 Hz: 367.86 cfm<br>At 60 Hz: 421.42 cfm  |

# Features

---

|   |   |
|---|---|
| Air throughput with outlet filter<br>incl. fleece filter mat (quantity x<br>order number) | 1 x 3243200: 405 m <sup>3</sup> /h<br>2 x 3243200: 475 m <sup>3</sup> /h  |
| Rated operating voltage   | 200 V - 240 V, 1~, 50 Hz/60 Hz  |
| Rated power Pel   | At 50 Hz: 51 W<br>At 60 Hz: 51 W  |
| Rated current max.  | At 50 Hz: 0.5 A<br>At 60 Hz: 0.5 A  |
| Dimensions  | Width: 323 mm<br>Height: 323 mm<br>Width: 12.7 "<br>Height: 12.7 "  |
| Installation depth  | 118.5 mm<br>4.67 "  |
| Mounting cut-out  | Width of opening: 292 mm<br>Cut-out height: 292 mm<br>Width of opening: 11.5 "<br>Cut-out height: 11.5 "  |
| Protection category IP to IEC 60<br>529   | IP 54 with fleece filter/folded filter<br>IP 55 with folded filter and absorber mat<br>IP56 with fleece filter/folded filter and hose-proof hood  |
| Protection category NEMA  | Type 12 with fleece filter/folded filter<br>Type 3<br>Type 3R<br>Type 4<br>Type 4X with fleece filter/folded filter and hose-proof hood   |
| Control interface   | Yes   |
| Pre-fuse  | Miniature circuit-breaker/fuse: 6 A   |
| Note  | A folded 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 m <sup>3</sup> /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: 63 dB(A)<br>At 60 Hz: 63 dB(A) |
| Packaging unit              | 1 pc(s).                                 |
| Net weight                  | 2.72                                     |
| Gross weight                | 3.38                                     |
| Customs tariff number       | 84145915                                 |
| EAN                         | 4028177652156                            |
| ETIM 9                      | EC000320                                 |
| ETIM 8                      | EC000320                                 |
| ECLASS 8.0                  | 27180716                                 |

---

# Approvals

---

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

---