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SK 3245.518

TopTherm Filter Fan Units

State: 9/7/2025 (Source: [rittal.com/us-en](https://www.rittal.com/us-en))

ENCLOSURES

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3245.518 - 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

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| Model No. | SK 3245.518 |
| Version | wall-mounted 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 9005 |
| 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: 890 m³/h At 60 Hz: 890 m³/h At 50 Hz: 523.8 cfm At 60 Hz: 523.8 cfm |
| Unimpeded air flow (with pleated filter) | At 50 Hz: 1,125 m³/h At 60 Hz: 1,125 m³/h At 50 Hz: 662.15 cfm At 60 Hz: 662.15 cfm |

Features

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| Air throughput with outlet filter incl. chopped fiber filter mat (quantity x order number) | 1 x 3243208: 630 m³/h 2 x 3243208: 770 m³/h |
| Rated operating voltage | 100 V - 130 V, 1~, 50 Hz/60 Hz |
| Rated power Pel | At 50 Hz: 165 W At 60 Hz: 165 W |
| Rated current max. | At 50 Hz: 2.1 A At 60 Hz: 2.1 A |
| Dimensions | Width: 323 mm Height: 323 mm Width: 12.7 " Height: 12.7 " |
| Installation depth | 130.5 mm 5.14 " |
| Mounting cut-out | Width of opening: 292 mm Cut-out height: 292 mm Width of opening: 11.5 " Cut-out height: 11.5 " |
| Protection category IP to IEC 60529 | IP 51 with chopped fiber filter/pleated filter IP52 with pleated filter and absorber mat IP 56 with chopped fiber filter/pleated filter and hose-proof hood |
| Protection category NEMA | Type 1 Type 12 Type 3 Type 3R 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. 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). |
| Operating temperature range | -25 °C...55 °C -13 °F...131 °F |

Features

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|---------------------------|--|
| Storage temperature range | -25 °C...70 °C -13 °F...158 °F |
| Noise pressure level | At 50 Hz: 72 dB(A) At 60 Hz: 72 dB(A) |
| Packaging unit | 1 pc(s). |
| Customs tariff number | 84145915 |
| EAN | 4028177664111 |
| ETIM 9 | EC000320 |
| ETIM 8 | EC000320 |
| ECLASS 8.0 | 27180716 |

Approvals

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