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SK 3245.518 TopTherm filter fans

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FRIEDHELM LOH GROUP



SK 3245.518 - TopTherm filter fans with EC technology

Energy-efficient version of the RTT fan-and-filter units with EC technology. From 180 m³/h with integral control interface (0-10 V / PWM input and tachosignal output) to regulate and monitor the fan.

Features

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| Model No. | SK 3245.518 |
| Design | wall-mounted 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 9005 |
| Supply includes | Complete unit ready to install, including chopped-fibre filter mat |
| Fan | Diagonal, EC motor |
| Air throughput, unimpeded airflow (with chopped-fibre filter) | At 50 Hz: 890 m ³ /h At 60 Hz: 890 m ³ /h |
| Air throughput, unimpeded airflow (with pleated filter) | At 50 Hz: 1,125 m ³ /h At 60 Hz: 1,125 m ³ /h |
| Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number) | 1 x 3243208: 630 m ³ /h 2 x 3243208: 770 m ³ /h |
| Rated operating voltage | 100 V - 130 V, 1~, 50 Hz/60 Hz |
| Power consumption Pel | At 50 Hz: 165 W At 60 Hz: 165 W |

Features

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|--------------------------------------|---|
| Rated current max. | At 50 Hz: 2.1 A At 60 Hz: 2.1 A |
| Dimensions | Width: 323 mm Height: 323 mm |
| Installation depth | 130,5 mm |
| Mounting cut-out | Cut-out width: 292 mm Cut-out height: 292 mm |
| IP protection category to IEC 60 529 | IP 51 with chopped-fibre filter/pleated filter IP52 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hood |
| Protection category NEMA | Type 1 Type 12 Type 3 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. 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 m³/h). |
| Operating temperature range | -25 °C...55 °C |
| Storage temperature range | -25 °C...70 °C |
| Noise level | At 50 Hz: 72 dB(A) At 60 Hz: 72 dB(A) |
| Packs of | 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 |

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 m³/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 9005
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