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## SK 3241.124 TopTherm filter fans

State: 06/05/2026 (Source: [rittal.com/uae-en](http://rittal.com/uae-en))

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3241.124 - TopTherm filter fans

Complete fan unit for tool-free mounting on surfaces. Air throughput from 20 - 900 m<sup>3</sup>/h, standard protection category IP 54.

## Features

|  |  |
|--|--|
| Model No.  | SK 3241.124  |
| Design   | wall-mounted   |
| Product description  | Fan-and-filter units with diagonal fan technology have superior pressure stability and ensure a more constant air throughput. The diagonal direction of outflow ensures more even heat dissipation from the enclosure.     |
| 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, DC motor   |
| Air throughput, unimpeded airflow (with pleated filter)  | With DC: 272 m <sup>3</sup> /h   |
| Air throughput, unimpeded airflow (with chopped-fibre filter)                                  | With DC: 225 m <sup>3</sup> /h   |
| Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number) | 1 x 3240200: 171 m <sup>3</sup> /h<br>2 x 3240200: 200 m <sup>3</sup> /h   |
| Rated operating voltage  | 24 V (DC)  |
| Power consumption Pel  | With DC: 19 W  |
| Rated current max.   | With DC: 0.78 A  |
| Dimensions   | Width: 255 mm<br>Height: 255 mm  |
| Installation depth   | 107 mm   |

# Features

|                                     |   |
|-------------------------------------|---|
| Mounting cut-out                    | Cut-out width: 224 mm<br>Cut-out height: 224 mm   |
| IP protection category to IEC 60529 | IP 54 with chopped-fibre filter/pleated filter<br>IP 55 with pleated filter and absorber mat<br>IP 56 with chopped-fibre filter/pleated filter and hose-proof hood  |
| Protection category NEMA            | Type 12 with chopped-fibre filter/pleated filter<br>Type 3<br>Type 3R<br>Type 4<br>Type 4X with chopped-fibre filter/pleated filter and hose-proof hood   |
| Pre-fuse                            | Miniature circuit-breaker/fuse: 2 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>With the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used |
| Operating temperature range         | -30 °C...55 °C  |
| Storage temperature range           | -30 °C...70 °C  |
| Noise level                         | With DC: 54 dB(A)   |
| Packs of                            | 1 pc(s).  |
| Net weight                          | 1.82 kg   |
| Gross weight                        | 2.029 kg  |
| Customs tariff number               | 84145915  |
| ETIM 9                              | EC000320  |
| ETIM 8                              | EC000320  |
| ECLASS 8.0                          | 27180716  |
| Product description                 | SK Fan-and-filter unit TopTherm, 225 m <sup>3</sup> /h, 24 V (DC), WHD: 255 x 255 x 25 mm   |

# Approvals

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|              |  |
|--------------|--|
| Approvals    | CSA<br>30 - KC Korea<br>UL + C-UL - FTTA<br>UR + C-UR (recognized) |
| Explanations | Declaration of conformity<br>Declaration of conformity UK          |

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## Tender text

Fan-and-filter units with diagonal fan technology have superior pressure stability and ensure a more constant air throughput. The diagonal direction of outflow ensures more even heat dissipation from the enclosure

Air throughput (unimpeded air flow): 225 m<sup>3</sup>/h  
Power consumption: 19 W  
Rated current: 0,8 A  
Rated operating voltage: 230 V, 1~, 50/60 Hz  
Fan: Diagonal, DC motor  
Dimensions [WxH]: 255x255 mm  
Build depth: 25 mm  
Installation depth: 107 mm  
Mounting cut-out [WxH]: 224x224 mm  
Operating temperature range: -30°C to 55°C  
Storage temperature range: -30°C to 70°C  
Colour: RAL 7035  
Protection category IP to IEC 60 529:  
IP 54 with fleece filter/pleated filter  
IP 55 with pleated filter and absorber mat  
IP 56 with fleece filter/pleated filter and hose-proof hood  
Protection category NEMA:  
Type 12 with fleece filter/pleated filter  
Type 3, 3R, 4, 4X with fleece filter/pleated filter and hose-proof hood  
Noise level: 54 db(A)  
Service life of fans: 75.000 h  
Weight: 2,04 kg