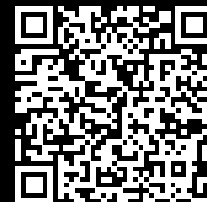


# Rittal – The System.

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## SK 3243.110

## TopTherm fan-and-filter units

State: 08/07/2025 (Source: [rittal.com/com-en](https://www.rittal.com/com-en))

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FRIEDHELM LOH GROUP



# SK 3243.110 - TopTherm fan-and-filter units

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 3243.110                                                                                                                                                                                                                         |
| 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 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. |
| Colour                                                                                         | RAL 7035                                                                                                                                                                                                                            |
| Supply includes                                                                                | Complete unit ready to install, including chopped-fibre filter mat                                                                                                                                                                  |
| Fan                                                                                            | Diagonal, 1~ capacitor motor                                                                                                                                                                                                        |
| Air throughput, unimpeded airflow (with chopped-fibre filter)                                  | At 50 Hz: 540 m <sup>3</sup> /h<br>At 60 Hz: 590 m <sup>3</sup> /h                                                                                                                                                                  |
| Air throughput, unimpeded airflow (with pleated filter)                                        | At 50 Hz: 625 m <sup>3</sup> /h<br>At 60 Hz: 716 m <sup>3</sup> /h                                                                                                                                                                  |
| Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number) | 1 x 3243200: 405/460 m <sup>3</sup> /h<br>2 x 3243200: 475/520 m <sup>3</sup> /h                                                                                                                                                    |
| Rated operating voltage                                                                        | 115 V, 1~, 50 Hz/60 Hz                                                                                                                                                                                                              |
| Power consumption Pel                                                                          | At 50 Hz: 75 W<br>At 60 Hz: 90 W                                                                                                                                                                                                    |
| Rated current max.                                                                             | At 50 Hz: 0.78 A<br>At 60 Hz: 0.8 A                                                                                                                                                                                                 |

# Features

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                          | Width: 323 mm<br>Height: 323 mm                                                                                                                                                                                                                                                                                                                                                                 |
| Installation depth                  | 118.5 mm                                                                                                                                                                                                                                                                                                                                                                                        |
| Mounting cut-out                    | Cut-out width: 292 mm<br>Cut-out height: 292 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: 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>With the fan-and-filter unit 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other fan-and-filter units, a screwless spring terminal is used |
| Service life of fans (L10, 40 °C)   | At 50 Hz: 61,000 h<br>At 60 Hz: 59,000 h                                                                                                                                                                                                                                                                                                                                                        |
| Operating temperature range         | -30 °C...55 °C                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage temperature range           | -30 °C...70 °C                                                                                                                                                                                                                                                                                                                                                                                  |
| Noise level                         | At 50 Hz: 59 dB(A)<br>At 60 Hz: 61 dB(A)                                                                                                                                                                                                                                                                                                                                                        |
| Packs of                            | 1 pc(s).                                                                                                                                                                                                                                                                                                                                                                                        |
| Net weight                          | 3.672                                                                                                                                                                                                                                                                                                                                                                                           |
| Gross weight                        | 3.94                                                                                                                                                                                                                                                                                                                                                                                            |
| Customs tariff number               | 84145915                                                                                                                                                                                                                                                                                                                                                                                        |
| EAN                                 | 4028177652125                                                                                                                                                                                                                                                                                                                                                                                   |
| ETIM 9                              | EC000320                                                                                                                                                                                                                                                                                                                                                                                        |

# Features

|            |          |
|------------|----------|
| ETIM 8     | EC000320 |
| ECLASS 8.0 | 27180716 |

# Approvals

|              |                                                                    |
|--------------|--------------------------------------------------------------------|
| 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          |

# 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): 540 / 590 m<sup>3</sup>/h

Power consumption: 75 / 90 W

Rated current: 0,78 / 0,80 A

Rated operating voltage: 115 V, 1~, 50/60 Hz

Fan: Diagonal, 1~ capacitor motor

Dimensions [WxH]: 323x323 mm

Build depth: 25 mm

Installation depth: 118,5 mm

Mounting cut-out [WxH]: 292x292 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: 59 / 61 db(A)

Service life of fans: 61.000 / 59.000 h

Weight: 3,58 kg