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## SK 3243.100 TopTherm fan-and-filter units

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

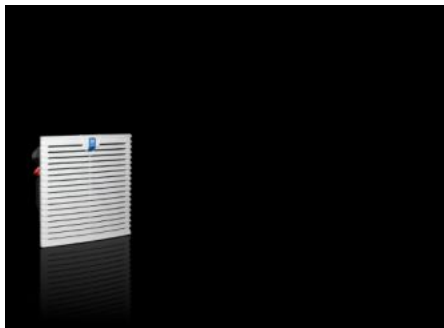
SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3243.100 - 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

|   |  |
|---|--|
| 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. |
| Colour  | RAL 7035   |
| Supply includes   | Complete unit ready to install, including filter mat   |
| Fan   | Diagonal, 1~ capacitor motor   |
| Air throughput (unimpeded air flow)   | Air throughput at 50 Hz: 550 m <sup>3</sup> /h<br>Air throughput at 60 Hz: 600 m <sup>3</sup> /h   |
| Air throughput with outlet filter including standard filter mat (quantity x order number) | 1 x 3243200: 465/510 m <sup>3</sup> /h<br>2 x 3243200: 508/548 m <sup>3</sup> /h   |
| Rated operating voltage   | 230 V, 1~, 50 Hz/60 Hz   |
| Rated current max.  | At 50 Hz: 0.37 A<br>At 60 Hz: 0.39 A   |
| Power consumption Pel   | At 50 Hz: 70 W<br>At 60 Hz: 87 W   |
| Dimensions  | Width: 323 mm<br>Height: 323 mm  |

# Features

|                                      |  |
|--------------------------------------|--|
| Installation dimensions              | Build-up depth for components max: 25 mm<br>Installation depth: 118.5 mm   |
| Mounting cut-out                     | Cut-out width: 292 mm<br>Cut-out height: 292 mm  |
| Note                                 | 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 |
| IP protection category to IEC 60 529 | IP protection category to IEC 60 529: IP 54<br>with standard filter and additional fine filter mat: IP 55<br>with standard filter and hose-proof hood: IP 56   |
| Protection category NEMA             | Standard: Type 12<br>with standard filter and additional fine filter mat: Type 12<br>with standard filter and hose-proof hood: Type 3, 3R, 4, 4X   |
| Pre-fuse                             | Miniature circuit-breaker/fuse: 4 A  |
| Service life of fans (L10, 40 °C)    | At 50 Hz: 65,000 h<br>At 60 Hz: 61,000 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)   |
| Weight/pack                          | 3.58 kg  |
| Packs of                             | 1 Stück  |
| ETIM 7.0                             | EC000320   |
| ECLASS 8.0                           | 27180716   |

# Approvals

|           |   |
|-----------|---|
| Approvals | Approvals<br>CSA<br>UL + C-UL - FTTA<br>UR + C-UR |
|-----------|---|

# Approvals

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Explanations

Declaration of conformity

## Tender text

TopTherm fan-and-filter unit

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

Air throughput m<sup>3</sup>/h 550/600

Air throughput with 1 outlet filter: 440/490 m<sup>3</sup>/h

Air throughput with 2 outlet filters: 510/560 m<sup>3</sup>/h

Air throughput with 3 outlet filters:

Rated operating voltage 230 V AC, 50/60 Hz

Dimensions W x H [mm]: 323 x 323

Required mounting cut-out W x H [mm] [mm]: 292 x 292

Build height [mm]: 25

Installation depth [mm]: 118.5

Storage temperature range: -30°C to +70°C

Operating temperature range (ambience): -30°C to +55°C

Protection category IP to IEC 60 529: IP 54

Protection category with hose-proof hood: IP 56

Fine filter mat and hose-proof hood IP 55

Colour RAL 7035