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## SK 3241.100

## TopTherm fan-and-filter units

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3241.100 - 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, shaded pole motor
Air throughput (unimpeded air flow)	Air throughput at 50 Hz: 230 m <sup>3</sup> /h Air throughput at 60 Hz: 250 m <sup>3</sup> /h
Air throughput with outlet filter including standard filter mat (quantity x order number)	1 x 3240200: 183/205 m <sup>3</sup> /h 2 x 3240200: 203/220 m <sup>3</sup> /h 1 x 3243200: 203/230 m <sup>3</sup> /h
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Rated current max.	At 50 Hz: 0.26 A At 60 Hz: 0.24 A
Power consumption Pel	At 50 Hz: 40 W At 60 Hz: 42 W
Dimensions	Width: 255 mm Height: 255 mm

# Features

Installation dimensions	Build-up depth for components max: 25 mm Installation depth: 107 mm
Mounting cut-out	Cut-out width: 224 mm Cut-out height: 224 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 with standard filter and additional fine filter mat: IP 55 with standard filter and hose-proof hood: IP 56
Protection category NEMA	Standard: Type 12 with standard filter and additional fine filter mat: Type 12 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: 61,000 h At 60 Hz: 60,000 h
Operating temperature range	-30 °C...55 °C
Storage temperature range	-30 °C...70 °C
Noise level	At 50 Hz: 54 dB(A) At 60 Hz: 56 dB(A)
Weight/pack	2.24 kg
Packs of	1 Stück
ETIM 7.0	EC000320
ECLASS 8.0	27180716

# Approvals

Approvals	Approvals CSA UL + C-UL - FTTA UR + C-UR
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# 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 230/250

Air throughput with 1 outlet filter: 183/195 m<sup>3</sup>/h

Air throughput with 2 outlet filters: 203/230 m<sup>3</sup>/h

Air throughput with 3 outlet filters: 203/230 m<sup>3</sup>/h

Rated operating voltage 230 V AC, 50/60 Hz

Dimensions W x H [mm]: 255 x 255

Required mounting cut-out W x H [mm] [mm]: 224 x 224

Build height [mm]: 25

Installation depth [mm]: 107

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