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## SK 3241.110 TopTherm fan-and-filter units

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FRIEDHELM LOH GROUP



# SK 3241.110 - 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 3241.110
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 chopped-fibre filter mat
Fan	Diagonal, shaded pole motor
Air throughput, unimpeded airflow (with chopped-fibre filter)	At 50 Hz: 225 m <sup>3</sup> /h At 60 Hz: 245 m <sup>3</sup> /h
Air throughput, unimpeded airflow (with pleated filter)	At 50 Hz: 272 m <sup>3</sup> /h At 60 Hz: 272 m <sup>3</sup> /h
Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number)	1 x 3240200: 171/182 m <sup>3</sup> /h 2 x 3240200: 200/217 m <sup>3</sup> /h
Rated operating voltage	115 V, 1~, 50 Hz/60 Hz
Power consumption Pel	At 50 Hz: 40 W At 60 Hz: 42 W
Rated current max.	At 50 Hz: 0.52 A At 60 Hz: 0.48 A

# Features

Dimensions	Width: 255 mm Height: 255 mm
Mounting cut-out	Cut-out width: 224 mm Cut-out height: 224 mm
Installation depth	107 mm
IP protection category to IEC 60529	IP54 with chopped-fibre filter/pleated filter IP55 with pleated filter and absorber mat IP56 with chopped-fibre filter/pleated filter and hose-proof hood
Protection category NEMA	Type 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose-proof hood
Pre-fuse	Miniature circuit-breaker/fuse: 4 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. 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 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)
Packs of	1 pc(s).
Weight/pack	2.26 kg
Customs tariff number	84145915
EAN	4028177652002
ETIM 7.0	EC000320
ECLASS 8.0	27180716

# Approvals

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Approvals	CSA UL + C-UL - FTTA UR + C-UR (recognized)
Explanations	Declaration of conformity 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 / 245 m<sup>3</sup>/h  
Power consumption: 40 / 42 W  
Rated current: 0,52 / 0,48 A  
Rated operating voltage: 115 V, 1~, 50/60 Hz  
Fan: Diagonal, shaded pole 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 / 56 db(A)  
Service life of fans: 61.000 / 60.000 h  
Weight: 2,26 kg