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SK 3240.100 TopTherm fan-and-filter units

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FRIEDHELM LOH GROUP



SK 3240.100 - TopTherm fan-and-filter units

Complete fan unit for tool-free mounting on surfaces. Air throughput from 20 - 900 m³/h, standard protection category IP 54.

Features

Model No.	SK 3240.100
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	<p>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.</p> <p>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.</p>
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: 175 m ³ /h At 60 Hz: 155 m ³ /h
Air throughput, unimpeded airflow (with pleated filter)	At 50 Hz: 218 m ³ /h At 60 Hz: 188 m ³ /h
Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number)	1 x 3240200: 130/110 m ³ /h 2 x 3240200: 159/135 m ³ /h
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Power consumption Pel	At 50 Hz: 35 W At 60 Hz: 34 W

Features

Rated current max.	At 50 Hz: 0.21 A At 60 Hz: 0.19 A
Dimensions	Width: 255 mm Height: 255 mm
Installation depth	107 mm
Mounting cut-out	Cut-out width: 224 mm Cut-out height: 224 mm
IP protection category to IEC 60529	IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hood
Protection category NEMA	Type 12 with chopped-fibre filter/pleated filter Type 3 Type 3R Type 4 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. 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: 72,000 h At 60 Hz: 76,000 h
Operating temperature range	-30 °C...55 °C
Storage temperature range	-30 °C...70 °C
Noise level	At 50 Hz: 51 dB(A) At 60 Hz: 46 dB(A)
Packs of	1 pc(s).
Net weight	2.12
Gross weight	2.26
Customs tariff number	84145915

Features

EAN	4028177651937
E-Number Sweden	E3404342
ETIM 9	EC000320
ETIM 8	EC000320
ECLASS 8.0	27180716

Approvals

Approvals	CSA UL + C-UL - FTTA UR + C-UR (recognized)
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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): 175 / 155 m³/h

Power consumption: 35 / 34 W

Rated current: 0,21 / 0,19 A

Rated operating voltage: 230 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: 51 / 46 db(A)

Service life of fans: 72.000 / 76.000 h

Weight: 2,26 kg