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SK 3241.100
TopTherm filter fans

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FRIEDHELM LOH GROUP

SK 3241.100 - TopTherm filter fans

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 3241.100
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	The cover for the connection clamp has not been part of the TopTherm filter fans 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, shaded pole motor
Air throughput, unimpeded airflow (with pleated filter)	At 50 Hz: 272 m³/h At 60 Hz: 272 m³/h
Air throughput, unimpeded airflow (with chopped-fibre filter)	At 50 Hz: 225 m³/h At 60 Hz: 245 m³/h
Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number)	1 x 3240200: 171/182 m³/h 2 x 3240200: 200/217 m³/h
Rated operating voltage	230 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: 0.26 A At 60 Hz: 0.24 A

Features

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 60 529	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: 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 filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, 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).
Net weight	1,737 kg
Gross weight	2,36 kg
Customs tariff number	84145915
ETIM 9	EC000320
ETIM 8	EC000320

Features

ECLASS 8.0	27180716
Product description	SK Fan-and-filter unit TopTherm, 225/245 m³/h, 230 V, 1~, 50/60 Hz, WHD: 255 x 255 x 25 mm

Approvals

Approvals	CSA 30 - KC Korea UL + C-UL - FTTA UR + C-UR (recognized)
Explanations	Declaration of conformity 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 troughput (unimpeded air flow): 225 / 245 m3/h
Power consumption: 40 / 42 W
Rated current: 0,26 / 0,24 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: 54 / 56 db(A)
Service life of fans: 61.000 / 60.000 h
Weight: 2,24 kg

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