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SK 3240.500

TopTherm filter fans

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FRIEDHELM LOH GROUP

SK 3240.500 - TopTherm filter fans with EC technology

Energy-efficient version of the RTT fan-and-filter units with EC technology. From 180 m³/h with integral control interface (0-10 V / PWM input and tachosignal output) to regulate and monitor the fan.

Features

Model No.	SK 3240.500
Design	wall-mounted EC
Product description	Energy-efficient version of the TopTherm fan-and-filter units with diagonal fan technology. For controlling and monitoring fans 3240.50x to 3245.51x. The fan may be activated via the control interface with tacho signal output integrated as standard, and monitoring of the fan speed and function is supported.
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, EC motor
Air throughput, unimpeded airflow (with pleated filter)	At 50 Hz: 218 m³/h At 60 Hz: 188 m³/h
Air throughput, unimpeded airflow (with chopped-fibre filter)	At 50 Hz: 175 m³/h At 60 Hz: 175 m³/h
Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number)	1 x 3240200: 130 m³/h 2 x 3240200: 159 m³/h
Rated operating voltage	200 V - 240 V, 1~, 50 Hz/60 Hz
Power consumption Pel	At 50 Hz: 11 W At 60 Hz: 11 W

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Features

Rated current max.	At 50 Hz: 0.12 A At 60 Hz: 0.15 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 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
Control interface	Yes
Pre-fuse	Miniature circuit-breaker/fuse: 6 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. For even more efficient operation or for monitoring the filter fans, we recommend the use of the EC speed control for EC filter fans (from an air throughput of 180 m³/h).
Operating temperature range	-25 °C...55 °C
Storage temperature range	-25 °C...70 °C
Noise level	At 50 Hz: 47 dB(A) At 60 Hz: 47 dB(A)
Packs of	1 pc(s).
Net weight	1.773 kg
Gross weight	1.973 kg
Customs tariff number	84145915
ETIM 9	EC000320

Features

ETIM 8	EC000320
ECLASS 8.0	27180716
Product description	SK Fan-and-filter unit TopTherm, 175 m³/h, 200-240 V, 1~, 50/60 Hz, WHD: 255 x 255 x 25 mm, EC technology

Approvals

Approvals	CSA UL + C-UL - FTTA UR + C-UR (recognized)
Explanations	Declaration of conformity Declaration of conformity UK

Tender text

TopTherm fan-and-filter units with EC technology
Energy-efficient version of the
TopTherm fan-and-filter units with diagonal fan technology.
Fans 3240.500 to 3245.510 may be controlled and monitored.
The fan may be activated via the control interface
with tacho signal output integrated as standard,
and monitoring of the fan speed and function is supported.
Air troughput (unimpeded air flow): 175 m3/h
Power consumption 50/60 Hz: 11 / 11 W
Rated power input 50/60 Hz: 0,12 / 0,12 A
Rated operating voltage: 200-240 V, 1~, 50/60 Hz
Diagonal fan: Diagonal, EC motor
Dimensions [WxH]: 255x255 mm
Installation depth: 107 mm
Build depth: 25 mm
Required mounting cut-out [WxH]: 224x224 mm
Operating temperature range: -25 °C to 55 °C
Storage temperature range: -25 °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 50/60 Hz: 47 / 47 dB(A)
Service life 50/60 Hz: 71.000 h
Weight: 2,01 kg

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