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SK 3241.500

TopTherm Filter Fan Units

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FRIEDHELM LOH GROUP

SK 3241.500 - TopTherm Filter Fan Units with EC technology

Energy-efficient design of the RTT filter fans with EC technology. From 105.94 cfm with integrated control interface (0-10 V / PWM input and tachometer output signal) for controlling and monitoring the fan.

Features

Model No.	SK 3241.500
Version	wall-mounted EC
Product description	Energy-efficient version of the TopTherm filter fans with diagonal fan technology. Fan 3240.50x to 3245.51x may be controlled and monitored. The fan may be activated via the control interface with tacho signal output integrated as standard. Also, monitoring of the fan speed and function is supported.
Product changes	Since May 2024, the cover for the connection terminal is no longer part of the TopTherm filter fan. During testing, it was found not to be required by the standards and does not impair function or operational safety.
Color	RAL 7035
Supply includes	Complete unit ready to install, including chopped fiber filter mat
Fan	Diagonal, EC motor
Unimpeded air flow (with pleated filter)	At 50 Hz: 272 m³/h At 60 Hz: 272 m³/h At 50 Hz: 160.09 cfm At 60 Hz: 160.09 cfm
Unimpeded air flow (with chopped fiber filter)	At 50 Hz: 225 m³/h At 60 Hz: 225 m³/h At 50 Hz: 132.4 cfm At 60 Hz: 132.4 cfm

Features

Air throughput with outlet filter incl. chopped fiber filter mat (quantity x order number)	1 x 3240200: 171 m³/h 2 x 3240200: 200 m³/h
Rated operating voltage	200 V - 240 V, 1~, 50 Hz/60 Hz
Rated power Pel	At 50 Hz: 11 W At 60 Hz: 11 W
Rated current max.	At 50 Hz: 0.17 A At 60 Hz: 0.15 A
Dimensions	Width: 255 mm Height: 255 mm Width: 10 ″ Height: 10 ″
Installation depth	107 mm 4.21 ″
Mounting cut-out	Width of opening: 224 mm Cut-out height: 224 mm Width of opening: 8.82 ″ Cut-out height: 8.82 ″
Protection category IP to IEC 60 529	IP 54 with chopped fiber filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped fiber filter/pleated filter and hose-proof hood
Protection category NEMA	Type 12 with chopped fiber filter/pleated filter Type 3 Type 3R Type 4 Type 4X with chopped fiber filter/pleated filter and hose-proof hood
Control interface	Yes
Pre-fuse	Miniature circuit-breaker/fuse: 6 A
Note	A pleated filter can optionally be used to increase the air throughput (see characteristic curve). This can be used with both the filter & roof-mounted fans and the exhaust filters. For even more efficient operation or for monitoring the fan-and-filter units, we recommend the use of a speed control EC for EC fan-and-filter unit (from air flow rates of 180 m³/h).

Features

Operating temperature range	-25 °C...55 °C -13 °F...131 °F
Storage temperature range	-25 °C...70 °C -13 °F...158 °F
Noise pressure level	At 50 Hz: 52 dB(A) At 60 Hz: 52 dB(A)
Packaging unit	1 pc(s).
Net weight	1.8 kg
Gross weight	2.24 kg
Customs tariff number	84145915
ETIM 9	EC000320
ETIM 8	EC000320
ECLASS 8.0	27180716
Product description	SK Fan-and-filter unit TopTherm, 132.4 cfm 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