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SK 3245.510

TopTherm Filter Fan Units

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SK 3245.510 - 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 3245.510
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: 1,125 m³/h At 60 Hz: 1,125 m³/h At 50 Hz: 662.15 cfm At 60 Hz: 662.15 cfm

Features

Unimpeded air flow (with chopped fiber filter)	At 50 Hz: 890 m³/h At 60 Hz: 890 m³/h At 50 Hz: 523.8 cfm At 60 Hz: 523.8 cfm
Air throughput with outlet filter incl. chopped fiber filter mat (quantity x order number)	1 x 3243200: 630 m³/h 2 x 3243200: 770 m³/h
Rated operating voltage	100 V - 130 V, 1~, 50 Hz/60 Hz
Rated power Pel	At 50 Hz: 165 W At 60 Hz: 165 W
Rated current max.	At 50 Hz: 2.1 A At 60 Hz: 2.1 A
Dimensions	Width: 323 mm Height: 323 mm Width: 12.7 ″ Height: 12.7 ″
Installation depth	130.5 mm 5.14 ″
Mounting cut-out	Width of opening: 292 mm Cut-out height: 292 mm Width of opening: 11.5 ″ Cut-out height: 11.5 ″
Protection category IP to IEC 60 529	IP 51 with chopped fiber filter/pleated filter IP 52 with pleated filter and absorber mat IP 56 with chopped fiber filter/pleated filter and hose-proof hood
Protection category NEMA	Type 1 Type 12 Type 3 Type 3R with chopped fiber filter/pleated filter and hose-proof hood
Control interface	Yes
Pre-fuse	Miniature circuit-breaker/fuse: 6 A

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Features

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).
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: 72 dB(A) At 60 Hz: 72 dB(A)
Packaging unit	1 pc(s).
Net weight	3.605 kg
Gross weight	3.805 kg
Customs tariff number	84145915
ETIM 9	EC000320
ETIM 8	EC000320
ECLASS 8.0	27180716
Product description	SK Fan-and-filter unit TopTherm, 523.8 cfm 100-130 V, 1~, 50/60 Hz, WHD: 323 x 323 x 25 mm, EC technology

Approvals

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