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SK 3243.100 TopTherm Filter Fan Units

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FRIEDHELM LOH GROUP



SK 3243.100 - TopTherm Filter Fan Units

Complete fan unit for tool-free mounting on surfaces. Air throughput from 11.77 - 529.72 cfm, protection category IP 54 as standard.

Features

Model No.	SK 3243.100
Version	wall-mounted
Product description	Filter fans with diagonal fan technology are more pressure-resistant and produce more constant air performance. The diagonal outflow direction ensures a more uniform heat dissipation from the enclosure.
Product modification	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.
Color	RAL 7035
Supply includes	Complete unit ready to install, including fleece filter mat
Fan	Diagonal, 1~ capacitor motor
Unimpeded air flow (with fleece filter)	At 50 Hz: 540 m ³ /h At 60 Hz: 590 m ³ /h At 50 Hz: 317.8 cfm At 60 Hz: 347.3 cfm
Unimpeded air flow (with folded filter)	At 50 Hz: 625 m ³ /h At 60 Hz: 716 m ³ /h At 50 Hz: 367.86 cfm At 60 Hz: 421.42 cfm
Air throughput with outlet filter incl. fleece filter mat (quantity x order number)	1 x 3243200: 405/460 m ³ /h 2 x 3243200: 475/520 m ³ /h
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Rated power Pel	At 50 Hz: 70 W At 60 Hz: 87 W

Features

Rated current max.	At 50 Hz: 0.37 A At 60 Hz: 0.39 A
Dimensions	Width: 323 mm Height: 323 mm Width: 12.7 " Height: 12.7 "
Installation depth	118.5 mm 4.67 "
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 60529	IP 54 with fleece filter/folded filter IP 55 with folded filter and absorber mat IP56 with fleece filter/folded filter and hose-proof hood
Protection category NEMA	Type 12 with fleece filter/folded filter Type 3 Type 3R Type 4 Type 4X with fleece filter/folded filter and hose-proof hood
Pre-fuse	Miniature circuit-breaker/fuse: 4 A
Note	A folded 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 the 3237.XXX filter fan, the electrical connection is made via 2 individual wires (length approx. 300 mm) on the unit, for all other filter fans, it's made via a spring-loaded terminal
Service life of fans (L10, 40 °C))	At 50 Hz: 65,000 h At 60 Hz: 61,000 h
Operating temperature range	-30 °C...55 °C -22 °F...131 °F
Storage temperature range	-30 °C...70 °C -22 °F...158 °F
Noise pressure level	At 50 Hz: 59 dB(A) At 60 Hz: 61 dB(A)

Features

Packaging unit	1 pc(s).
Net weight	3.58
Gross weight	4.02
Customs tariff number	84145915
EAN	4028177652101
E-Number Sweden	E3404346
ETIM 9	EC000320
ETIM 8	EC000320
ECLASS 8.0	27180716

Approvals

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