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SK 3243.100

TopTherm fan-and-filter units

State: 14/12/2022 (Source: rittal.com/com-en)

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FRIEDHELM LOH GROUP



SK 3243.100 - TopTherm fan-and-filter units

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 3243.100
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.
Colour	RAL 7035
Supply includes	Complete unit ready to install, including chopped-fibre filter mat
Fan	Diagonal, 1~ capacitor motor
Air throughput, unimpeded airflow (with chopped-fibre filter)	At 50 Hz: 540 m ³ /h At 60 Hz: 590 m ³ /h
Air throughput, unimpeded airflow (with pleated filter)	At 50 Hz: 625 m ³ /h At 60 Hz: 716 m ³ /h
Air throughput with outlet filter including chopped-fibre 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
Power consumption Pel	At 50 Hz: 70 W At 60 Hz: 87 W
Rated current max.	At 50 Hz: 0.37 A At 60 Hz: 0.39 A

Features

Dimensions	Width: 323 mm Height: 323 mm
Mounting cut-out	Cut-out width: 292 mm Cut-out height: 292 mm
Installation depth	118.5 mm
IP protection category to IEC 60529	IP54 with chopped-fibre filter/pleated filter IP55 with pleated filter and absorber mat IP56 with chopped-fibre filter/pleated filter and hose-proof hood
Protection category NEMA	Type 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 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 fan-and-filter unit 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other fan-and-filter units, a screwless spring terminal is used
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
Storage temperature range	-30 °C...70 °C
Noise level	At 50 Hz: 59 dB(A) At 60 Hz: 61 dB(A)
Packs of	1 pc(s).
Weight/pack	3.58 kg
Copper weight (kg per piece)	0
Customs tariff number	84145915
EAN	4028177652101
ETIM 7.0	EC000320
ECLASS 8.0	27180716

Approvals

Approvals	CSA UL + C-UL - FTTC 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 throughput (unimpeded air flow): 540 / 590 m³/h
Power consumption: 70 / 87 W
Rated current: 0,37 / 0,39 A
Rated operating voltage: 230 V, 1~, 50/60 Hz
Fan: Diagonal, 1~ capacitor motor
Dimensions [WxH]: 323x323 mm
Build depth: 25 mm
Installation depth: 118,5 mm
Mounting cut-out [WxH]: 292x292 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: 59 / 61 db(A)
Service life of fans: 65.000 / 61.000 h
Weight: 3,58 kg