

# Rittal – The System.

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## SK 3244.140

## TopTherm fan-and-filter units

State: 2024.5.15 (Source: [rittal.com/lt-en](https://www.rittal.com/lt-en))

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

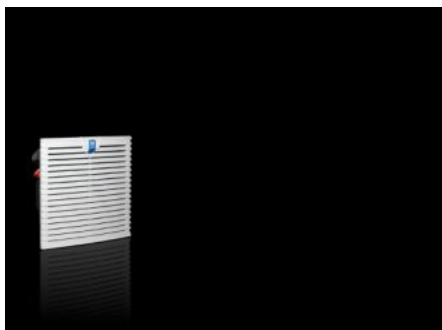
SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3244.140 - TopTherm fan-and-filter units

Complete fan unit for tool-free mounting on surfaces. Air throughput from 20 - 900 m<sup>3</sup>/h, standard protection category IP 54.



## Features

Model No.	SK 3244.140
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, three-phase motor
Air throughput, unimpeded airflow (with chopped-fibre filter)	At 50 Hz: 700 m <sup>3</sup> /h At 60 Hz: 770 m <sup>3</sup> /h
Air throughput, unimpeded airflow (with pleated filter)	At 50 Hz: 855 m <sup>3</sup> /h At 60 Hz: 905 m <sup>3</sup> /h
Air throughput with outlet filter including chopped-fibre filter mat (quantity x order number)	1 x 3243200: 485/520 m <sup>3</sup> /h 2 x 3243200: 570/630 m <sup>3</sup> /h
Rated operating voltage	400 V, 3~, 50 Hz/60 Hz 460 V, 3~, 60 Hz
Power consumption Pel	At 50 Hz: 93 W At 60 Hz: 140 W

# Features

Rated current max.	At 50 Hz: 0.17 A At 60 Hz: 0.21 A
Dimensions	Width: 323 mm Height: 323 mm
Installation depth	130.5 mm
Mounting cut-out	Cut-out width: 292 mm Cut-out height: 292 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
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: 66,000 h At 60 Hz: 62,000 h
Operating temperature range	-30 °C...55 °C
Storage temperature range	-30 °C...70 °C
Noise level	At 50 Hz: 67 dB(A) At 60 Hz: 70 dB(A)
Weight/pack	4.1 kg
Packs of	1 pc(s).
Customs tariff number	84145915
EAN	4028177652200
ETIM 8	EC000320
ETIM 7.0	EC000320
ECLASS 8.0	27180716

# Approvals

Approvals	CSA UL + C-UL - FTTA 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): 700 / 770 m<sup>3</sup>/h

Power consumption: 93 / 140 W

Rated current: 0,17 / 0,21 A

Rated operating voltage: 400 V, 3~, 50/60 Hz

Fan: Diagonal, three-phase motor

Dimensions [WxH]: 323x323 mm

Build depth: 25 mm

Installation depth: 130,5 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: 67 / 70 db(A)

Service life of fans: 66.000 / 62.000 h

Weight: 4,1 kg