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## SK 3140.510 Roof-mounted fans

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3140.510 - Roof-mounted fans with EC technology

The new generation of roof-mounted fans (EC variant) is one system for all sizes: only one mounting cut-out is needed for all output categories. Air routing with minimal pressure losses ensures a high level of efficiency, while an innovative clamping attachment supports a high protection category of IP54. The fan may be activated via the control interface with tacho signal output integrated as standard, and monitoring of the fan speed and function is supported.

## Features

Model No.	SK 3140.510
Design	roof-mounted EC
Product description	Energy-efficient and powerful design of the roof-mounted fans. The fan may be activated via the control interface with tacho signal output integrated as standard, and monitoring of the fan speed and function is supported.
Material	Sheet steel
Colour	RAL 7035
Supply includes	Complete unit ready to install, including pleated filter
Fan	Radial, EC motor
Air throughput, unimpeded airflow (with pleated filter)	At 60 Hz: 975 m <sup>3</sup> /h
Air flow (without filter in roof-mounted fan) with outlet filter including chopped-fibre filter mat	1 x 3243300: 690 m <sup>3</sup> /h
Air flow (with pleated filter in roof-mounted fan) with outlet filter including chopped-fibre filter mat	1 x 3243300: 690 m <sup>3</sup> /h 2 x 3243300: 830 m <sup>3</sup> /h
Air throughput, unimpeded air flow (without filter mats)	At 60 Hz: 1,069 m <sup>3</sup> /h
Rated operating voltage	115 V, 1~, 60 Hz
Power consumption Pel	At 60 Hz: 112 W

# Features

Rated current max.	At 60 Hz: 1.51 A
Dimensions	Width: 400 mm Height: 133 mm Depth: 400 mm
Installation depth	34.6 mm
Mounting cut-out	Cut-out width: 258 mm Cut-out depth: 258 mm
IP protection category to IEC 60529	IP 21 without filter mat IP 54 including pleated filter
Protection category NEMA	NEMA 12
Control interface	Yes
Pre-fuse	Miniature circuit-breaker/fuse: 3 A
Note	A chopped-fibre filter filter may optionally be used to increase the protection category to IP 55 (see accessories). For even more efficient operation or for monitoring the fans, we recommend the use of the EC speed controls
Service life of fans (L10, 40 °C)	At 50 Hz: 82,000 h At 60 Hz: 82,000 h
Operating temperature range	-20 °C...55 °C
Storage temperature range	-40 °C...70 °C
Noise level	At 60 Hz: 60 dB(A)
Packs of	1 pc(s).
Net weight	5.3 kg
Gross weight	6 kg
Customs tariff number	84145915
ETIM 9	EC000320
ETIM 8	EC000320
ECLASS 8.0	27180716
Product description	SK roof-mounted fan TopTherm, 1069/1069 m <sup>3</sup> /h, 115 V, 1~, 50/60 Hz, WHD: 400 x 133 x 400 mm, EC-Technology

# Approvals

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Approvals

CSA  
30 - KC Korea  
UL + C-UL - FTTA  
UR + C-UR (recognized)

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Explanations

Declaration of conformity  
Declaration of conformity UK

# Tender text

Roof-mounted fans with EC technology

SK 3140.510

The new generation of roof-mounted fans (EC variant) is one system for all sizes: only one mounting cut-out is needed for all output categories.

Air routing with minimal pressure losses ensures a high level of efficiency, while an innovative clamping attachment supports a high protection category of IP54.

The fan may be activated via the control interface with tacho signal output integrated as standard, and monitoring of the fan speed and function is supported.

Colour: RAL 7035

Supply includes: Complete unit ready to install, including pleated filter

Fan: Radial, EC motor

Air throughput, unimpeded airflow (with pleated filter):

At 50 Hz: 976 m<sup>3</sup>/h, at 60 Hz: 976 m<sup>3</sup>/h

Air throughput, unimpeded airflow (without filter mats):

At 50 Hz: 1,069 m<sup>3</sup>/h, at 60 Hz: 1,069 m<sup>3</sup>/h

Rated operating voltage: 115 V, 1~ , 60 Hz

Power consumption  $P_{el}$ : At 60 Hz: 112 W

Rated current max.: At 60 Hz: 1.51 A

Dimensions (WxHxD): 400x133x400 mm

Mounting cut-out (WxD): 258x258 mm

Installation depth: 34.6 mm

IP protection category to IEC 60 529:

IP 21 without filter mat, IP 54 including pleated filter

Protection category NEMA: NEMA 12

Pre-fuse: Miniature circuit-breaker/fuse: 3 A

Service life of fans (L10, 40 °C): At 50 Hz: 82,000 h, at 60 Hz: 82,000

Operating temperature range: -20 °C to 55 °C

Storage temperature range: -40 °C to 70 °C

Noise level: At 60 Hz: 60 dB(A)

Weight/pack: 5.6 kg