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SK 3140.510
Roof-mounted fans

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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	Plastic ABS
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 m³/h
Air flow (without filter in roof-mounted fan) with outlet filter including chopped-fibre filter mat	1 x 3243300: 690 m³/h
Air flow (with pleated filter in roof-mounted fan) with outlet filter including chopped-fibre filter mat	1 x 3243300: 690 m³/h 2 x 3243300: 830 m³/h
Air throughput, unimpeded air flow (without filter mats)	At 60 Hz: 1,069 m³/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 60 529	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 m³/h, 115 V, 1~, 50/60 Hz, WHD: 400 x 133 x 400 mm, EC-Technology

Approvals

Approvals	CSA 30 - KC Korea UL + C-UL - FTTA UR + C-UR (recognized)
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
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Colour: RAL 7035
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Fan: Radial, EC motor
Air throughput, unimpeded airfow (with pleated flter):
At 50 Hz: 976 m³/h, at 60 Hz: 976 m³/h
Air throughput, unimpeded air fow (without flter mats):
At 50 Hz: 1,069 m³/h, at 60 Hz: 1,069 m³/h
Rated operating voltage: 115 V, 1~, 60 Hz
Power consumption Pel: 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 flter mat, IP 54 including pleated flter
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

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