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SK 3140.510 Roof-mounted fans

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

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 tachometer signal output integrated as standard, and monitoring of the fan speed and function is supported.

Features

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|--|--|
| 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 tachometer 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 ³ /h |
| Air flow (without filter in roof-mounted fan) with outlet filter including chopped-fibre filter mat | 1 x 3243300: 690 m ³ /h |
| Air flow (with pleated filter in roof-mounted fan) with outlet filter including chopped-fibre filter mat | 1 x 3243300: 690 m ³ /h 2 x 3243300: 830 m ³ /h |
| Air throughput, unimpeded air flow (without filter mats) | At 60 Hz: 1,069 m ³ /h |
| Rated operating voltage | 115 V, 1~, 60 Hz |
| Power consumption Pel | At 60 Hz: 112 W |

Features

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|--------------------------------------|---|
| 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 m ³ /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 with tachometer 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 m³/h, at 60 Hz: 976 m³/h

Air throughput, unimpeded airflow (without filter 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 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