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## SK 3243.900 Blue e+ filter fan

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CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3243.900 - Blue e+ filter fan with EC technology

The energy-efficient version with EC technology stands out for more than just its unique IoT capabilities. The Blue e+ fan-and-filter unit unlocks countless other advantages, from energy efficiency, to monitoring and sustainability, through to a higher air throughput (175 – 1,160 m<sup>3</sup>/h).



## Features

|                     |   |
|---------------------|---|
| Model No.           | SK 3243.900   |
| Design              | wall-mounted<br>EC  |
| Product description | Blue e+ fan-and-filter units achieve maximum air throughput because they use pleated filters as standard. The wide-range input (100-240 V) supports worldwide use. Activation and monitoring via a Modbus interface supports exclusive features (automatic filter cleaning, filter maintenance display, emergency cooling function).  |
| Benefits            | Maximum air throughput via pleated filter included in the delivered state<br>Wide-range input 100 – 240 V<br>IoT link enables exclusive features such as automatic filter cleaning, filter maintenance display, emergency cooling function<br>Easy filter changes, thanks to a new opening mechanism on the louvred grille<br>Faster installation on the enclosure with optimised detent hooks<br>Diagonal fan technology achieves more even and constant ventilation of the enclosure, thanks to improved pressure stability<br>Tool-free assembly |
| Material            | Plastic   |

# Features

|   |  |
|---|--|
| Colour  | RAL 7035   |
| Supply includes   | Complete unit ready to install, including pleated filter   |
| Fan   | Diagonal, EC motor   |
| Air throughput, unimpeded airflow (with pleated filter)                   | At 50 Hz: 625 m <sup>3</sup> /h<br>At 60 Hz: 625 m <sup>3</sup> /h   |
| Air throughput with matching outlet filter including pleated filter       | At 50 Hz: 565 m <sup>3</sup> /h  |
| Air throughput, unimpeded airflow (with chopped-fibre filter)             | At 50 Hz: 540 m <sup>3</sup> /h  |
| Air throughput with matching outlet filter including chopped-fibre filter | At 50 Hz: 444 m <sup>3</sup> /h  |
| Rated operating voltage   | 100 V - 240 V, 1~, 50 Hz/60 Hz   |
| Power consumption Pel   | At 50 Hz: 55.1 W   |
| Rated current max.  | At 50 Hz: 0.88 A   |
| Dimensions  | Width: 323 mm<br>Height: 323 mm<br>Depth: 156.5 mm   |
| Installation depth  | 136.5 mm   |
| Mounting cut-out  | Cut-out width: 292 mm<br>Cut-out height: 292 mm  |
| IP protection category to IEC 60529                                       | IP 54 with chopped-fibre filter/pleated filter<br>IP 55 with pleated filter and absorber mat<br>IP 56 with chopped-fibre filter/pleated filter and hose-proof hood |
| Protection category NEMA  | Type 12 with chopped-fibre filter/pleated filter<br>Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose-proof hood                                 |
| Pre-fuse  | Miniature circuit-breaker/fuse: 6 A  |
| Operating temperature range   | -25 °C...55 °C   |
| Storage temperature range   | -25 °C...70 °C   |
| Noise level   | At 50 Hz: 65 dB(A)   |

# Features

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|                       |  |
|-----------------------|--|
| Interfaces            | 0 - 10 V/PWM input<br>Speed output<br>Floating fault signal contact<br>RS485 (ModBus)  |
| Packs of              | 1 pc(s).   |
| Net weight            | 3.65 kg  |
| Gross weight          | 3.763 kg   |
| Customs tariff number | 84145915   |
| ETIM 9                | EC000320   |
| ETIM 8                | EC000320   |
| ECLASS 8.0            | 27180716   |
| Product description   | SK Blue e+ fan-and-filter unit, EC technology, 625 m <sup>3</sup> /h, 100 V – 240 V, 1~, 50 Hz/60 Hz, WxHxD 323 x 323 x 156.5 mm, RAL 7035 |

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# Approvals

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|              |  |
|--------------|--|
| Approvals    | CSA<br>30 - KC Korea<br>UL + C-UL - FTTA<br>UR + C-UR (recognized) |
| Explanations | Declaration of conformity  |

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