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SK 3241.900 Blue e+ filter fan

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FRIEDHELM LOH GROUP



SK 3241.900 - 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 m³/h).



Features

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|---------------------|---|
| Model No. | SK 3241.900 |
| Design | wall-mounted 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 Wide-range input 100 – 240 V IoT link enables exclusive features such as automatic filter cleaning, filter maintenance display, emergency cooling function Easy filter changes, thanks to a new opening mechanism on the louvred grille Faster installation on the enclosure with optimised detent hooks Diagonal fan technology achieves more even and constant ventilation of the enclosure, thanks to improved pressure stability Tool-free assembly |
| Material | Plastic |

Features

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| 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: 272 m ³ /h At 60 Hz: 272 m ³ /h |
| Air throughput with matching outlet filter including pleated filter | At 50 Hz: 240 m ³ /h |
| Air throughput, unimpeded airflow (with chopped-fibre filter) | At 50 Hz: 225 m ³ /h |
| Air throughput with matching outlet filter including chopped-fibre filter | At 50 Hz: 173 m ³ /h |
| Rated operating voltage | 100 V - 240 V, 1~, 50 Hz/60 Hz |
| Power consumption Pel | At 50 Hz: 19.8 W |
| Rated current max. | At 50 Hz: 0.3 A |
| Dimensions | Width: 255 mm Height: 255 mm Depth: 137.5 mm |
| Installation depth | 116,5 mm |
| Mounting cut-out | Cut-out width: 224 mm Cut-out height: 224 mm |
| IP protection category to IEC 60529 | IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 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 |
| 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: 54 dB(A) |

Features

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| Interfaces | 0 - 10 V/PWM input Speed output Floating fault signal contact RS485 (ModBus) |
| Packs of | 1 pc(s). |
| Net weight | 2,1 kg |
| Gross weight | 2,324 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, 272 m ³ /h, 100 V – 240 V, 1~, 50 Hz/60 Hz, WxHxD 255 x 255 x 137.5 mm, RAL 7035 |

Approvals

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| Approvals | CSA 30 - KC Korea UL + C-UL - FTFA UR + C-UR (recognized) |
| Explanations | Declaration of conformity |
