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## SK 3240.500

## TopTherm fan-and-filter units

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## SK 3240.500 - TopTherm fan-and-filter units with EC technology

Energy-efficient version of the RTT fan-and-filter units with EC technology. From $180 \mathrm{~m}^{3} / \mathrm{h}$ with integral control interface ( $0-10 \mathrm{~V} / \mathrm{PWM}$ input and tachosignal output) to regulate and monitor the fan.

## Features

| Model No. | SK 3240.500 |
| :--- | :--- |
| Product description | Energy-efficient version of the TopTherm fan-and-filter units with <br> diagonal fan technology. For controlling and monitoring fans <br> 3240.50 x to 3245.51 x . The fan may be activated via the control <br> interface with tacho signal output integrated as standard, and <br> monitoring of the fan speed and function is supported. |
| Colour | RAL 7035 |
| Supply includes | Complete unit ready to install, including chopped-fibre filter mat |
| Fan | Diagonal, EC motor |
| Air throughput, unimpeded airflow | At $50 \mathrm{~Hz}: 175 \mathrm{~m}^{3} / \mathrm{h}$ |
| (with chopped-fibre filter) $60 \mathrm{~Hz}: 175 \mathrm{~m}^{3} / \mathrm{h}$ |  |
| Air throughput, unimpeded airflow | At $50 \mathrm{~Hz}: 218 \mathrm{~m}^{3} / \mathrm{h}$ |
| (with pleated filter) $60 \mathrm{~Hz}: 188 \mathrm{~m}^{3} / \mathrm{h}$ |  |
| Air throughput with outlet filter | $1 \times 3240200: 130 \mathrm{~m} / \mathrm{h}$ |
| including chopped-fibre filter mat | $2 \times 3240200: 159 \mathrm{~m}^{3} / \mathrm{h}$ |
| (quantity x order number) |  |
| Rated operating voltage | $200 \mathrm{~V} \mathrm{-} 240 \mathrm{~V}, 1 \sim, 50 \mathrm{~Hz} / 60 \mathrm{~Hz}$ |
| Power consumption Pel | At $50 \mathrm{~Hz}: 11 \mathrm{~W}$ |
| At $60 \mathrm{~Hz}: 11 \mathrm{~W}$ |  |
| Rated current max. | At $50 \mathrm{~Hz}: 0.12 \mathrm{~A}$ |
| At $60 \mathrm{~Hz}: 0.15 \mathrm{~A}$ |  |
| Dimensions | Width: 255 mm |
| Height: 255 mm |  |
|  | 107 mm |

## Features

| Mounting cut-out | Cut-out width: 224 mm Cut-out height: 224 mm |
| :---: | :---: |
| IP protection category to IEC 60 529 | IP54 with chopped-fibre filter/pleated filter <br> IP55 with pleated filter and absorber mat <br> IP56 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 hoseproof hood |
| Control interface | Yes |
| Pre-fuse | Miniature circuit-breaker/fuse: 6 A |
| Note | To increase the air throughput, a pleated filter may optionally be used (see characteristic curve). Suitable for use with fan-and-filter units, roof-mounted fans and outlet filters. <br> For even more efficient operation or for monitoring the fan-and-filter units, we recommend the use of the EC speed control for EC fan-and-filter units (from an air throughput of $180 \mathrm{~m}^{3} / \mathrm{h}$ ). |
| Operating temperature range | $-25^{\circ} \mathrm{C} . . .55^{\circ} \mathrm{C}$ |
| Storage temperature range | $-25^{\circ} \mathrm{C} . . .70^{\circ} \mathrm{C}$ |
| Noise level | At $50 \mathrm{~Hz}: 47 \mathrm{~dB}(\mathrm{~A})$ <br> At $60 \mathrm{~Hz}: 47 \mathrm{~dB}(\mathrm{~A})$ |
| Weight/pack | $2,01 \mathrm{~kg}$ |
| Packs of | $1 \mathrm{pc}(\mathrm{s})$. |
| Customs tariff number | 84145915 |
| EAN | 4028177664142 |
| ETIM 8 | EC000320 |
| ETIM 7.0 | EC000320 |
| ECLASS 8.0 | 27180716 |

## Approvals

## Approvals

| Approvals | CSA |
| :--- | :--- |
|  | UL + C-UL - FTTA |
|  | UR + C-UR (recognized) |
| Explanations | Declaration of conformity |
|  | Declaration of conformity UK |

## Tender text

TopTherm fan-and-filter units with EC technology
Energy-efficient version of the
TopTherm fan-and-filter units with diagonal fan technology.
Fans 3240.500 to 3245.510 may be controlled and monitored.
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.
Air troughput (unimpeded air flow): $175 \mathrm{~m} 3 / \mathrm{h}$
Power consumption $50 / 60 \mathrm{~Hz}: 11$ / 11 W
Rated power input $50 / 60 \mathrm{~Hz}: 0,12$ / 0,12 A
Rated operating voltage: 200-240 V, 1~, 50/60 Hz
Diagonal fan: Diagonal, EC motor
Dimensions [WxH]: 255x255 mm
Installation depth: 107 mm
Build depth: 25 mm
Required mounting cut-out [WxH]: $224 \times 224 \mathrm{~mm}$
Operating temperature range: $-25^{\circ} \mathrm{C}$ to $55^{\circ} \mathrm{C}$
Storage temperature range: $-25^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$
Colour: RAL 7035
Protection category IP to IEC 60 529:
IP 54 with fleece filter/pleated filter
IP 55 with pleated filter and absorber mat
IP 56 with fleece filter/pleated filter and hose-proof hood
Protection category NEMA:
Type 12 with fleece filter/pleated filter
Type 3, 3R, 4, 4X with fleece filter/pleated filter and hose-proof hood
Noise level 50/60 Hz: $47 / 47 \mathrm{~dB}(\mathrm{~A})$
Service life $50 / 60 \mathrm{~Hz}: 71.000 \mathrm{~h}$
Weight: $2,01 \mathrm{~kg}$

