

TopTherm fan-and-filter unit

Air throughput 105 – 120 m³/h

Model No. SK fan-and-filter unit	3239.100	3239.110	3239.124
Model No. SK fan-and-filter unit – EMC	3239.600	–	–
Rated operating voltage V, Hz	230, 50/60	115, 50/60	24 (DC)
Dimensions mm	B1/H1	204 x 204	
	B2/H2	177 x 177	
	T1	24	
Max. installation depth mm	T2	90	
Air throughput, unimpeded air flow	105/120 m³/h		105 m³/h
Air throughput with outlet filter including standard filter mat	1 x SK 3239.200: 87/100 m ³ /h 2 x SK 3239.200: 93/108 m ³ /h 1 x SK 3240.200: 98/111 m ³ /h		

Diagonal fan	Self-starting shaded pole motor		DC motor
Rated current	0.12 A/0.11 A	0.24 A/0.23 A	0.28 A
Power consumption	19 W/17 W		6 W
Pre-fuse	2 A		
Noise level	46/49 dB (A)		46 dB (A)
Operating temperature range	–15°C to +55°C		
Storage temperature range	–30°C to +85°C		
Colour	RAL 7035		
Protection category to EN 60 529	IP 54 standard/IP 55 with additional fine filter mat/IP 56 with additional fine filter mat and hose-proof hood		

Model No. SK outlet filter	3239.200		
Model No. SK outlet filter – EMC	3239.060	–	–

Accessories	Packs of		
Filter mats	5	3171.100	
Fine filter mats	5	3181.100	
Hose-proof hood	1	3239.080	
Blanking cover	1	3239.020	
Thermostat	1	3110.000	
Temperature indicator	1	3114.200	
Hygrostat	1	3118.000	
Speed control	1	3120.200	

Special voltages available on request. We reserve the right to make technical modifications.

Air throughput 180 – 250 m³/h

Model No. SK fan-and-filter unit	3240.100	3240.110	3240.124	3241.100	3241.110	3241.124
Model No. SK fan-and-filter unit – EMC	3240.600	–	–	3241.600	–	–
Rated operating voltage V, Hz	230, 50/60	115, 50/60	24 (DC)	230, 50/60	115, 50/60	24 (DC)
Dimensions mm	B1/H1	255 x 255				
	B2/H2	224 x 224				
	T1	25				
Max. installation depth mm	T2	107				
Air throughput, unimpeded air flow	180/160 m³/h		180 m³/h	230/250 m³/h		230 m³/h
Air throughput with outlet filter including standard filter mat	1 x SK 3240.200: 138/121 m³/h 2 x SK 3240.200: 165/140 m³/h 1 x SK 3243.200: 165/140 m³/h			1 x SK 3240.200: 183/205 m³/h 2 x SK 3240.200: 203/230 m³/h 1 x SK 3243.200: 203/230 m³/h		

Diagonal fan	Self-starting shaded pole motor		DC motor	Self-starting shaded pole motor		DC motor
Rated current	0.19 A/0.18 A	0.38 A/0.36 A	0.07 A	0.27 A/0.28 A	0.54 A/0.52 A	0.2 A
Power consumption	33 W/33 W		10 W	42 W/46 W	43 W/46 W	25 W
Pre-fuse	2 A	4 A	2 A	4 A		2 A
Noise level	51/46 dB (A)		51 dB (A)	54/56 dB (A)		54 dB (A)
Operating temperature range	–30°C to +55°C					
Storage temperature range	–30°C to +85°C					
Colour	RAL 7035					
Protection category to EN 60 529	IP 54 standard/IP 55 with additional fine filter mat/IP 56 with additional fine filter mat and hose-proof hood					

Model No. SK outlet filter	3240.200					
Model No. SK outlet filter – EMC	3240.060	–	–	3240.060	–	–

Accessories	Packs of					
Filter mats	5	3172.100				
Fine filter mats	5	3182.100				
Hose-proof hood	1	3240.080				
Blanking cover	1	3240.020				
Thermostat	1	3110.000				
Temperature indicator	1	3114.200				
Hygrostat	1	3118.000				
Speed control	1	3120.200				

Special voltages available on request. We reserve the right to make technical modifications.

Assembly without tools

- Straightforward assembly, exchange and maintenance with no need for tools of any kind
- Simple reversal of the air flow direction by turning the fan module
- Individual positioning of the power connection
- Spring clamp terminals for electrical connection without tools
- Louvred grille latch for fast filter mat replacement without tools

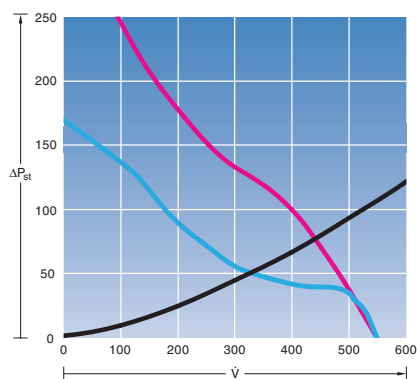


Efficient technology

- Air throughput from 20 to 700 m³/h
- New diagonal fan technology for greater pressure stability and constant air flows in use, even with a contaminated filter mat
- Minimum installation depth
- Flow-optimised air routing
- Extended service life of filter mats and thus longer maintenance intervals



Performance diagram



\dot{V} = Volumetric flow (m³/h)
 ΔP_{st} = Stat. pressure difference (Pa)
— = Resistance curve
Outlet filter SK 3243.200
— = old 50 Hz
Fan-and-filter unit SK 3326.xxx
— = new 50 Hz
Fan-and-filter unit SK 3243.xxx

Air routing

- Intelligent symbiosis of radial and axial fan technology
- Air flow spreads diagonally from the fan, promoting a more even air distribution in the enclosure

