

TopTherm fan-and-filter units



Air throughputs incl. outlet filter and protection categories Page 401 **Accessories for climate control** Page 454 **Therm software** Page 474

Colour:

– RAL 7035

Supply includes:

– Complete unit ready to install, including filter mat

Note:

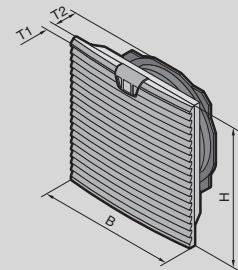
– With the fan-and-filter unit 3237.XXX, electrical connection is made via two single wires on the unit; for all other fan-and-filter units, a screwless spring terminal is used.

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet



Air throughput 20 – 55 m³/h

Model No.	Packs of	3237.100	3237.110	3237.124	3238.100	3238.110	3238.124	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	24 (DC)	230, 1~, 50/60	115, 1~, 50/60	24 (DC)	
Air throughput, unimpeded air flow m³/h		20 / 25	20 / 25	20	55 / 66	55 / 66	55	
Rated current A		0.065 / 0.052	0.12 / 0.1	0.125	0.12 / 0.11	0.24 / 0.22	0.24	
Pre-fuse A		2	2	2	2	2	2	
Motor circuit-breaker		–	–	–	–	–	–	
Power consumption W		11 / 9	11 / 9	3	19 / 18	19 / 18	5.5	
Width (B) mm		116.5	116.5	116.5	148.5	148.5	148.5	
Height (H) mm		116.5	116.5	116.5	148.5	148.5	148.5	
Depth (T1) mm		16	16	16	16	16	16	
Max. installation depth (T2) mm		43	43	43	58.5	58.5	58.5	
Required mounting cut-out (BxH) mm		92 x 92	92 x 92	92 x 92	124 x 124	124 x 124	124 x 124	
Fan		Axial, self-starting shaded pole motor	Axial, self-starting shaded pole motor	Axial, DC motor	Diagonal, self-starting shaded pole motor	Diagonal, self-starting shaded pole motor	Diagonal, DC motor	
Operating temperature range		-15°C...+55°C	-15°C...+55°C	-15°C...+55°C	-10°C...+55°C	-10°C...+55°C	-15°C...+55°C	
Storage temperature range		-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	
Noise level dB(A)		38 / 43	38 / 43	38	46 / 49	46 / 49	46	
Weight kg		0.46	0.48	0.3	0.8	0.8	0.54	

Accessories

Outlet filter	1 pc(s).	3237.200	3237.200	3237.200	3238.200	3238.200	3238.200	457
Spare filter mats		see page	see page	see page	see page	see page	see page	456
Fine filter mats	5 pc(s).	–	–	–	3238.055	3238.055	3238.055	457
Hose-proof hood	1 pc(s).	3237.080	3237.080	3237.080	3238.080	3238.080	3238.080	458
Blanking cover	2 pc(s).	3237.020	3237.020	3237.020	3238.020	3238.020	3238.020	459
Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	467
Thermostat with strain relief	1 pc(s).	3110.100	3110.100	3110.100	3110.100	3110.100	3110.100	467
Digital enclosure internal temperature display and thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	3114.200	3114.200	466

TopTherm fan-and-filter units

Air throughput 105 – 180 m³/h

Model No.	Packs of	3239.100	3239.110	3239.124	3240.100	3240.110	3240.124	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	24 (DC)	230, 1~, 50/60	115, 1~, 50/60	24 (DC)	
Air throughput, unimpeded air flow m ³ /h		105 / 120	105 / 120	105	180 / 160	180 / 160	180	
Rated current A		0.12 / 0.11	0.24 / 0.22	0.23	0.21 / 0.19	0.42 / 0.38	0.43	
Pre-fuse A		2	2	2	2	4	2	
Motor circuit-breaker		–	–	–	–	–	–	
Power consumption W		19 / 18	19 / 18	5.5	35 / 34	35 / 34	10	
Width (B) mm		204	204	204	255	255	255	
Height (H) mm		204	204	204	255	255	255	
Depth (T1) mm		24	24	24	25	25	25	
Max. installation depth (T2) mm		90	90	90	107	107	107	
Required mounting cut-out (BxH) mm		177 x 177	177 x 177	177 x 177	224 x 224	224 x 224	224 x 224	
Fan		Diagonal, self-starting shaded pole motor	Diagonal, self-starting shaded pole motor	Diagonal, DC motor	Diagonal, self-starting shaded pole motor	Diagonal, self-starting shaded pole motor	Diagonal, DC motor	
Operating temperature range		-10°C...+55°C	-10°C...+55°C	-15°C...+55°C	-30°C...+55°C	-30°C...+55°C	-30°C...+55°C	
Storage temperature range		-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	
Noise level dB(A)		46 / 49	46 / 49	46	51 / 46	51 / 46	51	
Weight kg		1.04	1.04	0.78	2.26	2.08	1.88	

Accessories

Outlet filter	1 pc(s).	3239.200	3239.200	3239.200	3240.200	3240.200	3240.200	457
Spare filter mats		see page	see page	see page	see page	see page	see page	456
Fine filter mats	5 pc(s).	3181.100	3181.100	3181.100	3182.100	3182.100	3182.100	457
Hose-proof hood	1 pc(s).	3239.080	3239.080	3239.080	3240.080	3240.080	3240.080	458
Blanking cover	2 pc(s).	3239.020	3239.020	3239.020	3240.020	3240.020	3240.020	459
Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	467
Thermostat with strain relief	1 pc(s).	3110.100	3110.100	3110.100	3110.100	3110.100	3110.100	467
Digital enclosure internal temperature display and thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	3114.200	3114.200	466

Air throughput 230 – 550 m³/h

Model No.	Packs of	3241.100	3241.110	3241.124	3243.100	3243.110	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	24 (DC)	230, 1~, 50/60	115, 1~, 50/60	
Air throughput, unimpeded air flow m ³ /h		230 / 250	230 / 250	230	550 / 600	550 / 600	
Rated current A		0.26 / 0.24	0.52 / 0.48	0.8	0.37 / 0.39	0.78 / 0.8	
Pre-fuse A		4	4	2	4	6	
Motor circuit-breaker		–	–	–	–	–	
Power consumption W		40 / 42	40 / 42	19	70 / 87	75 / 90	
Width (B) mm		255	255	255	323	323	
Height (H) mm		255	255	255	323	323	
Depth (T1) mm		25	25	25	25	25	
Max. installation depth (T2) mm		107	107	107	118.5	118.5	
Required mounting cut-out (BxH) mm		224 x 224	224 x 224	224 x 224	292 x 292	292 x 292	
Fan		Diagonal, self-starting shaded pole motor	Diagonal, self-starting shaded pole motor	Diagonal, DC motor	Diagonal, 1~ capacitor motor	Diagonal, 1~ capacitor motor	
Operating temperature range		-30°C...+55°C	-30°C...+55°C	-30°C...+55°C	-30°C...+55°C	-30°C...+55°C	
Storage temperature range		-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	
Noise level dB(A)		54 / 56	54 / 56	54	59 / 61	59 / 61	
Weight kg		2.235	2.26	2.04	3.58	3.58	

Accessories

Outlet filter	1 pc(s).	3240.200	3240.200	3240.200	3243.200	3243.200	457
Spare filter mats		see page	see page	see page	see page	see page	456
Fine filter mats	5 pc(s).	3182.100	3182.100	3182.100	3183.100	3183.100	457
Hose-proof hood	1 pc(s).	3240.080	3240.080	3240.080	3243.080	3243.080	458
Blanking cover	2 pc(s).	3240.020	3240.020	3240.020	3243.020	3243.020	459
Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	467
Thermostat with strain relief	1 pc(s).	3110.100	3110.100	3110.100	3110.100	3110.100	467
Digital enclosure internal temperature display and thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	3114.200	466


TopTherm fan-and-filter units

Air throughput 700 m³/h

Model No.	Packs of	3244.100	3244.110	3244.140	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	400, 3~, 50 460, 3~, 60	
Air throughput, unimpeded air flow m ³ /h		700 / 770	700 / 770	700 / 770	
Rated current A		0.43 / 0.6	0.9 / 1.25	0.17 / 0.21	
Pre-fuse A		4	6	-	
Motor circuit-breaker A		-	-	0.2...0.4	
Power consumption W		95 / 135	100 / 145	93 / 140	
Width (B) mm		323	323	323	
Height (H) mm		323	323	323	
Depth (T1) mm		25	25	25	
Max. installation depth (T2) mm		130.5	130.5	130.5	
Required mounting cut-out (BxH) mm		292 x 292	292 x 292	292 x 292	
Fan		Diagonal, 1~ capacitor motor	Diagonal, 1~ capacitor motor	Diagonal, three-phase motor	
Operating temperature range		-30°C...+55°C	-30°C...+55°C	-30°C...+55°C	
Storage temperature range		-30°C...+70°C	-30°C...+70°C	-30°C...+70°C	
Noise level dB(A)		65 / 66	65 / 66	67 / 70	
Weight kg		4.3	4.3	4.1	

Accessories					
Outlet filter	1 pc(s).	3243.200	3243.200	3243.200	457
Spare filter mats		see page	see page	see page	456
Fine filter mats	5 pc(s).	3183.100	3183.100	3183.100	457
Hose-proof hood	1 pc(s).	3243.080	3243.080	3243.080	458
Blanking cover	2 pc(s).	3243.020	3243.020	3243.020	459
Thermostat	1 pc(s).	3110.000	3110.000	3110.000	467
Thermostat with strain relief	1 pc(s).	3110.100	3110.100	3110.100	467
Digital enclosure internal temperature display and thermostat	1 pc(s).	3114.200	3114.200	3114.200	466

Accessories



Spare filter mats

see page 456

TopTherm fan-and-filter units

Air throughput and protection category

TopTherm fan-and-filter units

Model No.	Air throughput m ³ /h at 50/60 Hz				Protection category IP to IEC 60 529/NEMA protection category		
	Unimpeded air flow	With outlet filter including filter mat			Standard filter	Standard filter and additional micro-filter mat	Standard filter and hose-proof hood
3237.100	20/25	1 x 3237.200 15/18	-	-	IP 54/ Type 12	-	IP 56/ Type 3, 3R
3237.110							
3237.124	20						
3238.100	55/66	1 x 3238.200 43/50	2 x 3238.200 46/56	-		IP 54/ Type 12	IP 56/ Type 3, 3R IP 56/ Type 4, 4X
3238.110							
3238.124	55	1 x 3238.200 43	2 x 3238.200 46				
3239.100	105/120	1 x 3239.200 87/100	2 x 3239.200 93/108	1 x 3240.200 98/111			
3239.110							
3239.124	105	1 x 3239.200 87	2 x 3239.200 93	1 x 3240.200 98			
3240.100	180/160	1 x 3240.200 138/121	2 x 3240.200 165/140	1 x 3243.200 165/140			
3240.110							
3240.124	180	1 x 3240.200 138	2 x 3240.200 165	1 x 3243.200 165			
3241.100	230/250	1 x 3240.200 183/205	2 x 3240.200 203/230	1 x 3243.200 203/230			
3241.110							
3241.124	230	1 x 3240.200 183	2 x 3240.200 203	1 x 3243.200 203			
3243.100	550/600	1 x 3243.200 465/510	2 x 3243.200 508/548	-			
3243.110							
3244.100	700/770	1 x 3243.200 544/587	2 x 3243.200 614/662	-			
3244.110							
3244.140							

TopTherm fan-and-filter units, EMC

Model No.	Air throughput m ³ /h at 50/60 Hz				Protection category IP to IEC 60 529/NEMA protection category			
	Unimpeded air flow	With EMC outlet filter including EMC filter mat			Standard filter	Standard filter and additional micro-filter mat	Standard filter and hose-proof hood	
3237.600	20/25	1 x 3237.060 15/18	-	-	IP 54/ Type 12	-	IP 56/ Type 3, 3R	
3238.600	55/66	1 x 3238.060 43/50	2 x 3238.060 46/56	-		IP 54/ Type 12	IP 56/ Type 3, 3R Type 4, 4X	
3239.600	105/120	1 x 3239.060 87/100	2 x 3239.060 93/108	1 x 3240.060 98/111				
3240.600	180/160	1 x 3240.060 138/121	2 x 3240.060 165/140	1 x 3243.060 165/140				
3241.600	230/250	1 x 3240.060 183/205	2 x 3240.060 203/230	1 x 3243.060 203/230				
3243.600	550/600	1 x 3243.060 465/510	2 x 3243.060 508/548	-				
3244.600	700/770	1 x 3243.060 544/587	2 x 3243.060 630/690	-				
3245.600	900	1 x 3243.060 680	2 x 3243.060 820	-		IP 51	IP 52	IP 56/ Type 1, 12 Type 3, 3R

TopTherm fan-and-filter units with EC technology

Model No.	Air throughput m ³ /h at 50/60 Hz				Protection category IP to IEC 60 529/NEMA protection category		
	Unimpeded air flow	With outlet filter including filter mat			Standard filter	Standard filter and additional micro-filter mat	Standard filter and hose-proof hood
3238.500	55	1 x 3238.200 43	2 x 3238.200 46	-	IP 54/ Type 12	IP 54/ Type 12	IP 56/ Type 3, 3R Type 4, 4X
3239.500	105	1 x 3239.200 87	2 x 3239.200 93	1 x 3240.200 98			
3240.500	180	1 x 3240.200 138	2 x 3240.200 165	1 x 3243.200 165			
3241.500	230	1 x 3240.200 183	2 x 3240.200 203	1 x 3243.200 203			
3243.500	550	1 x 3243.200 465	2 x 3243.200 508	-			
3244.500	700	1 x 3243.200 544	2 x 3243.200 630	-			
3245.500	900	1 x 3243.200 680	2 x 3243.200 820	-	IP 51	IP 52	IP 56/ Type 1, 12 Type 3, 3R
3245.510	900	1 x 3243.200 680	2 x 3243.200 820	-			