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SOFTWARE & SERVICES



FRIEDHELM LOH GROUP

TopTherm Filter Fans

Air throughput 62 – 106 cfm (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) cfm (m³/h)		62/71 (105/120)	62/71 (105/120)	62 (105)	106/94 (180/160)	106/94 (180/160)	106 (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	
Height (H) inches (mm)		8 (204)	8 (204)	8 (204)	10 (255)	10 (255)	10 (255)	
Width (B) inches (mm)		8 (204)	8 (204)	8 (204)	10 (255)	10 (255)	10 (255)	
Depth (T1) inches (mm)		1 (24)	1 (24)	1 (24)	1 (25)	1 (25)	1 (25)	
Maximum installation depth (T2) inches (mm)		4 (90)	4 (90)	4 (90)	4 (107)	4 (107)	4 (107)	
Required mounting cut-out (HxW) inches (mm)		7 x 7 (177 x 177)	7 x 7 (177 x 177)	7 x 7 (177 x 177)	9 x 9 (224 x 224)	9 x 9 (224 x 224)	9 x 9 (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		+5°F...+131°F	+5°F...+131°F	+5°F...+131°F	-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	
Storage temperature range		-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	
Noise pressure level dB (A)		46/49	46/49	46	51/46	51/46	51	

Accessories

Outlet Filters	1 pc(s).	3239.200	3239.200	3239.200	3240.200	3240.200	3240.200	308
Spare Filter Mats		see page	see page	see page	see page	see page	see page	307
Fine Filter Mats	5 pc(s).	3181.100	3181.100	3181.100	3182.100	3182.100	3182.100	307
Hose-Proof Hood	1 pc(s).	3239.080	3239.080	3239.080	3240.080	3240.080	3240.080	308
Blanking Cover	2 pc(s).	3239.020	3239.020	3239.020	3240.020	3240.020	3240.020	308
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	315
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	3114.200	3114.200	315
Hygrostat	1 pc(s).	3118.000	3118.000	3118.000	3118.000	3118.000	3118.000	316
Speed Control	1 pc(s).	3120.200	3120.200	–	3120.200	3120.200	–	317

Air throughput 135 – 323 cfm (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) cfm (m³/h)		135/147 (230/250)	135/147 (230/250)	135 (230)	323/353 (550/600)	323/353 (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	
Height (H) inches (mm)		10 (255)	10 (255)	10 (255)	13 (323)	13 (323)	
Width (B) inches (mm)		10 (255)	10 (255)	10 (255)	13 (323)	13 (323)	
Depth (T1) inches (mm)		1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	
Maximum installation depth (T2) inches (mm)		4 (107)	4 (107)	4 (107)	5 (118.5)	5 (118.5)	
Required mounting cut-out (HxW) inches (mm)		9 x 9 (224 x 224)	9 x 9 (224 x 224)	9 x 9 (224 x 224)	12 x 12 (292 x 292)	12 x 12 (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		-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	
Storage temperature range		-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	
Noise pressure level dB (A)		54/56	54/56	54	59/61	59/61	

Accessories

Outlet Filters	1 pc(s).	3240.200	3240.200	3240.200	3243.200	3243.200	308
Spare Filter Mats		see page	see page	see page	see page	see page	307
Fine Filter Mats	5 pc(s).	3182.100	3182.100	3182.100	3183.100	3183.100	307
Hose-Proof Hood	1 pc(s).	3240.080	3240.080	3240.080	3243.080	3243.080	308
Blanking Cover	2 pc(s).	3240.020	3240.020	3240.020	3243.020	3243.020	308
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	315
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	3114.200	315
Hygrostat	1 pc(s).	3118.000	3118.000	3118.000	3118.000	3118.000	316
Speed Control	1 pc(s).	3120.200	3120.200	–	3120.200	3120.200	317

TopTherm Filter Fans

Air throughput 412 cfm (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) cfm (m³/h)		412/453 (700/770)	412/453 (700/770)	412/453 (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		–	–	6.3...10	
Power consumption W		95/135	100/145	93/140	
Height (H) inches (mm)		13 (323)	13 (323)	13 (323)	
Width (B) inches (mm)		13 (323)	13 (323)	13 (323)	
Depth (T1) inches (mm)		1 (25)	1 (25)	1 (25)	
Maximum installation depth (T2) inches (mm)		5 (130.5)	5 (130.5)	5 (130.5)	
Required mounting cut-out (HxW) inches (mm)		12 x 12 (292 x 292)	12 x 12 (292 x 292)	12 x 12 (292 x 292)	
Fan		Diagonal, 1~ capacitor motor	Diagonal, 1~ capacitor motor	Diagonal, three-phase motor	
Operating temperature range		-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	
Storage temperature range		-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	
Noise pressure level dB (A)		65/66	65/66	65/66	

Accessories

Outlet Filters	1 pc(s).	3243.200	3243.200	3243.200	308
Spare Filter Mats		see page	see page	see page	307
Fine Filter Mats	5 pc(s).	3183.100	3183.100	3183.100	307
Hose-Proof Hood	1 pc(s).	3243.080	3243.080	3243.080	308
Blanking Cover	2 pc(s).	3243.020	3243.020	3243.020	308
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	–	315
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	–	315
Hygrostat	1 pc(s).	3118.000	3118.000	–	316
Speed Control	1 pc(s).	3120.200	3120.200	–	317

Accessories



Spare Filter Mats

See page 307

TopTherm Filter Fans



Air throughputs including outlet filter and protection categories Page 250 Climate control accessories Page 305 Therm software package Page 321

Energy-efficient version of the TopTherm filter fans 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. Also, monitoring of the fan speed and function is supported.

Color:

- RAL 7035

Supply includes:

- Complete unit ready to install, including filter mat

Note:

- For even more efficient operation or for monitoring the filter fans, we recommend the use of an EC speed control for EC filter fans

Approvals:

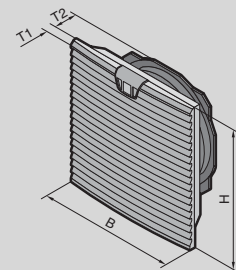
Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



Air throughput 32 – 135 cfm (55 – 230 m³/h), with EC technology

Model No.	Packs of	3238.500	3239.500	3240.500	3241.500	Page
Control interface		–	–	■	■	
Rated operating voltage V, ~, Hz		200 - 240, 1~, 50/60	200 - 240, 1~, 50/60	200 - 240, 1~, 50/60	200 - 240, 1~, 50/60	
Air throughput (unimpeded air flow) cfm (m³/h)		32 (55)	62 (105)	106 (180)	135 (230)	
Rated current A		0.05	0.05	0.12	0.17	
Pre-fuse A		6	6	6	6	
Power consumption W		6	6	11	16	
Height (H) inches (mm)		6 (148.5)	8 (204)	10 (255)	10 (255)	
Width (B) inches (mm)		6 (148.5)	8 (204)	10 (255)	10 (255)	
Depth (T1) inches (mm)		1/16	1/24	1/25	1/25	
Maximum installation depth (T2) inches (mm)		2 (58.5)	4 (90)	4 (107)	4 (107)	
Required mounting cut-out (HxW) inches (mm)		5 x 5 (124 x 124)	7 x 7 (177 x 177)	9 x 9 (224 x 224)	9 x 9 (224 x 224)	
Fan		Diagonal, EC motor	Diagonal, EC motor	Diagonal, EC motor	Diagonal, EC motor	
Operating temperature range		-4°F...+131°F	-4°F...+131°F	-13°F...+131°F	-13°F...+131°F	
Storage temperature range		-22°F...+158°F	-22°F...+158°F	-13°F...+158°F	-13°F...+158°F	
Noise pressure level dB (A)		49	53	47	52	

Accessories

Outlet Filters	1 pc(s).	3238.200	3239.200	3240.200	3240.200	308
Spare Filter Mats		see page	see page	see page	see page	307
Fine Filter Mats	5 pc(s).	3238.055	3181.100	3182.100	3182.100	307
Hose-Proof Hood	1 pc(s).	3238.080	3239.080	3240.080	3240.080	308
Blanking Cover	2 pc(s).	3238.020	3239.020	3240.020	3240.020	308
Speed Control EC		–	–	from page	from page	316
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	315
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	315
Hygrostat	1 pc(s).	3118.000	3118.000	3118.000	3118.000	316


TopTherm Filter Fans

Air throughput 323 – 530 cfm (550 – 900 m³/h), with EC technology

Model No.	Packs of	3243.500	3244.500	3245.500	3245.510	Page
Control interface		■	■	■	■	
Rated operating voltage V, ~, Hz		200 - 240, 1~, 50/60	200 - 240, 1~, 50/60	200 - 240, 1~, 50/60	100 - 130, 1~, 50/60	
Air throughput (unimpeded air flow) cfm (m³/h)		323 (550)	412 (700)	530 (900)	530 (900)	
Rated current A		0.5	0.7	1.33	2.1	
Pre-fuse A		6	6	4	6	
Power consumption W		51	80	165	165	
Height (H) inches (mm)		13 (323)	13 (323)	13 (323)	13 (323)	
Width (B) inches (mm)		13 (323)	13 (323)	13 (323)	13 (323)	
Depth (T1) inches (mm)		1 (25)	1 (25)	1 (25)	1 (25)	
Maximum installation depth (T2) inches (mm)		5 (118.5)	5 (130.5)	5 (130.5)	5 (130.5)	
Required mounting cut-out (HxW) inches (mm)		12 x 12 (292 x 292)	12 x 12 (292 x 292)	12 x 12 (292 x 292)	12 x 12 (292 x 292)	
Fan		Diagonal, EC motor	Diagonal, EC motor	Diagonal, EC motor	Diagonal, EC motor	
Operating temperature range		-13°F...+131°F	-13°F...+131°F	-13°F...+131°F	-13°F...+131°F	
Storage temperature range		-13°F...+158°F	-13°F...+158°F	-13°F...+158°F	-13°F...+158°F	
Noise pressure level dB (A)		63	64	72	72	

Accessories						
Outlet Filters	1 pc(s).	3243.200	3243.200	3243.200	3243.200	308
Spare Filter Mats		see page	see page	see page	see page	307
Fine Filter Mats	5 pc(s).	3183.100	3183.100	3183.100	3183.100	307
Hose-Proof Hood	1 pc(s).	3243.080	3243.080	3245.080	3245.080	308
Blanking Cover	2 pc(s).	3243.020	3243.020	3243.020	3243.020	308
Speed Control EC		from page	from page	from page	from page	316
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	315
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	315
Hygrostat	1 pc(s).	3118.000	3118.000	3118.000	3118.000	316

Accessories



Speed Control EC

See page 316

TopTherm Filter Fans



Air throughputs including outlet filter and protection categories Page 250 **Climate control accessories** Page 305 **Therm software package** Page 321

Color:

– RAL 7035

Supply includes:

– Complete unit ready to install, including filter mat

Note:

– For energy-efficient operation of the filter fans, we recommend using the enclosure internal thermostat, the speed control or the digital enclosure internal temperature display and thermostat

Approvals:

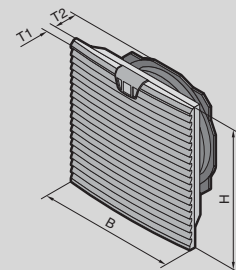
Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



Air throughput 12 – 32 cfm (20 – 55 m³/h), EMC

Model No.	Packs of	3237.600	3237.610	3238.600	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	
Air throughput (unimpeded air flow) cfm (m³/h)		12/15 (20/25)	12/15 (20/25)	32/39 (55/66)	
Rated current A		0.065/0.052	0.12/0.1	0.12/0.11	
Pre-fuse A		2	2	2	
Power consumption W		11/9	11/9	19/18	
Height (H) inches (mm)		4.5 (116.5)	4.5 (116.5)	6 (148.5)	
Width (B) inches (mm)		4.5 (116.5)	4.5 (116.5)	6 (148.5)	
Depth (T1) inches (mm)		1 (16)	1 (16)	1 (16)	
Maximum installation depth (T2) inches (mm)		2 (43)	2 (43)	2 (58.5)	
Required mounting cut-out (HxW) inches (mm)		4 x 4 (92 x 92)	4 x 4 (92 x 92)	5 x 5 (124 x 124)	
Fan		Axial, self-starting shaded pole motor	Axial, self-starting shaded pole motor	Diagonal, self-starting shaded pole motor	
Operating temperature range		+5°F...+131°F	+5°F...+131°F	+5°F...+131°F	
Storage temperature range		-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	
Noise pressure level dB (A)		38/43	38/43	46/49	

Accessories

Accessories	Packs of	3237.600	3237.610	3238.600	Page
Outlet Filters	1 pc(s).	3237.060	3237.060	3238.060	308
Spare Filter Mats	5 pc(s).	3237.066	3237.066	3238.066	307
Fine Filter Mats	5 pc(s).	–	–	3238.055	307
Hose-Proof Hood	1 pc(s).	3237.080	3237.080	3238.080	308
Blanking Cover	2 pc(s).	3237.020	3237.020	3238.020	308
Speed Control EC		–	–	–	
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	315
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	315
Hyrostat	1 pc(s).	3118.000	3118.000	3118.000	316
Speed Control	1 pc(s).	3120.200	3120.200	3120.200	317


TopTherm Filter Fans

Air throughput 62 – 106 cfm (105 – 180 m³/h), EMC

Model No.	Packs of	3239.600	3240.600	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	230, 1~, 50/60	
Air throughput (unimpeded air flow) cfm (m ³ /h)		62/71 (105/120)	106/94 (180/160)	
Rated current A		0.12/0.11	0.21/0.19	
Pre-fuse A		2	2	
Power consumption W		19/18	35/34	
Height (H) inches (mm)		8 (204)	10 (255)	
Width (B) inches (mm)		8 (204)	10 (255)	
Depth (T1) inches (mm)		1 (24)	1 (25)	
Maximum installation depth (T2) inches (mm)		4 (90)	4 (107)	
Required mounting cut-out (HxW) inches (mm)		7 x 7 (177 x 177)	9 x 9 (224 x 224)	
Fan		Diagonal, self-starting shaded pole motor	Diagonal, self-starting shaded pole motor	
Operating temperature range		+5°F...+131°F	-22°F...+131°F	
Storage temperature range		-22°F...+158°F	-22°F...+158°F	
Noise pressure level dB (A)		46/49	51/46	

Accessories				
Outlet Filters	1 pc(s).	3239.060	3240.060	308
Spare Filter Mats	5 pc(s).	3239.066	3240.066	307
Fine Filter Mats	5 pc(s).	3181.100	3182.100	307
Hose-Proof Hood	1 pc(s).	3239.080	3240.080	308
Blanking Cover	2 pc(s).	3239.020	3240.020	308
Speed Control EC		–	–	316
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	315
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	315
Hygrostat	1 pc(s).	3118.000	3118.000	316
Speed Control	1 pc(s).	3120.200	3120.200	317

Accessories



Therm Software

See page 321

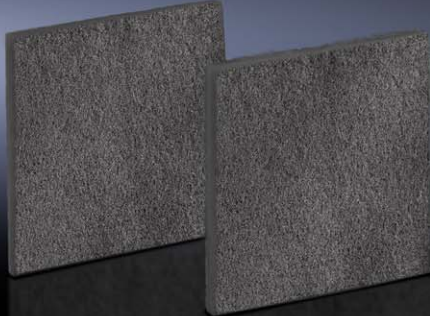
TopTherm Filter Fans

Air throughput 135 – 530 cfm (230 – 900 m³/h), EMC

Model No.	Packs of	3241.600	3241.610	3243.600	3243.610	3244.600	3244.610	3245.600	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	200 - 240, 1~, 50/60	
Air throughput, unimpeded airflow cfm (m ³ /h)		135/147 (230/250)	135/147 (230/250)	324/353 (550/600)	324/353 (550/600)	412/453 (700/770)	412/453 (700/770)	530 (900)	
Rated current A		0.26/0.24	0.52/0.48	0.37/0.39	0.78/0.80	0.43/0.6	0.9/1.25	1.33/1.33	
Pre-fuse A		4	4	4	6	4	6	4	
Power consumption W		40/42	40/42	70/87	75/90	95/135	100/145	165/165	
Height (H) inches (mm)		10 (255)	10 (255)	13 (323)	13 (323)	13 (323)	13 (323)	13 (323)	
Width (B) inches (mm)		10 (255)	10 (255)	13 (323)	13 (323)	13 (323)	13 (323)	13 (323)	
Depth (T1) inches (mm)		1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	
Max. installation depth (T2) inches (mm)		4 (107)	4 (107)	5 (118.5)	5 (118.5)	5 (130.5)	5 (130.5)	5 (130.5)	
Required mounting cut-out (HxW) inches (mm)		9 x 9 (224 x 224)	9 x 9 (224 x 224)	11 x 11 (292 x 292)	11 x 11 (292 x 292)	11 x 11 (292 x 292)	11 x 11 (292 x 292)	11 x 11 (292 x 292)	
Fan		Diagonal, self-starting shaded pole motor	Diagonal, self-starting shaded pole motor	Diagonal, 1~ capacitor motor	Diagonal, 1~ capacitor motor	Diagonal, 1~ capacitor motor	Diagonal, 1~ capacitor motor	Diagonal, EC motor	
Operating temperature range		-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	-22°F...+131°F	-13°F...+131°F	
Storage temperature range		-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	-13°F...+158°F	
Noise pressure level dB (A)		54/56	54/56	59/61	59/61	65/66	65/66	72	

Accessories									
Outlet Filters	1 pc(s).	3240.060	3240.060	3243.060	3243.060	3243.060	3243.060	3243.060	308
Spare Filter Mats	5 pc(s).	3240.066	3240.066	3243.066	3243.066	3243.066	3243.066	3243.066	307
Fine Filter Mats	5 pc(s).	3182.100	3182.100	3183.100	3183.100	3183.100	3183.100	3183.100	307
Hose-Proof Hood	1 pc(s).	3240.080	3240.080	3243.080	3243.080	3243.080	3243.080	3245.080	308
Blanking Cover	2 pc(s).	3240.020	3240.020	3243.020	3243.020	3243.020	3243.020	3243.020	308
Speed Control EC		-	-	-	-	-	-	from page	316
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	315
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	3114.200	3114.200	3114.200	315
Hygrostat	1 pc(s).	3118.000	3118.000	3118.000	3118.000	3118.000	3118.000	3118.000	316
Speed Control	1 pc(s).	3120.200	3120.200	3120.200	3120.200	3120.200	3120.200	-	317

Accessories



Spare Filter Mat EMC

See page 307

TopTherm Filter Fans

Air Throughput and Protection Category

TopTherm Filter Fans

Model No.	Air throughput cfm (m³/h) at 50/60 Hz				Protection category IP to IEC 60 529		
	Unimpeded air flow	with outlet filter incl. filter mat			Standard	with additional fine filter mat	with hose-proof hood
3237.100	12/15 (20/25)	1 x 3237.200	-	-	IP 54	IP 55	IP 56
3237.110		9/11 (15/18)	-	-			
3237.124		12 (20)	-	-			
3238.100	32/39 (55/66)	1 x 3238.200	2 x 3238.200	-			
3238.110		25/29 (43/50)	28/34 (48/57)	-			
3238.124	32 (55)	1 x 3238.200	2 x 3238.200	-			
3239.100	62/71 (105/120)	1 x 3239.200	2 x 3239.200	1 x 3240.200			
3239.110		51/59 (87/100)	55/64 (93/108)	58/65 (98/111)			
3239.124	62 (105)	1 x 3239.200	2 x 3239.200	1 x 3240.200			
3240.100	106/94 (180/160)	1 x 3240.200	2 x 3240.200	1 x 3243.200			
3240.110		81/68 (138/115)	97/82 (165/140)	97/82 (165/140)			
3240.124	106 (180)	1 x 3240.200	2 x 3240.200	1 x 3243.200			
3241.100	135/147 (230/250)	1 x 3240.200	2 x 3240.200	1 x 3243.200			
3241.110		108/115 (183/195)	119/135 (203/230)	119/135 (203/230)			
3241.124	135 (230)	1 x 3240.200	2 x 3240.200	1 x 3243.200			
3243.100	324/353 (550/600)	1 x 3243.200	2 x 3243.200	-			
3243.110		259/288 (440/490)	300/330 (510/560)	-			
3244.100	412/453 (700/770)	1 x 3243.200	2 x 3243.200	-			
3244.110		320/359 (544/610)	371/406 (630/690)	-			
3244.140		-	-	-			


TopTherm Filter Fans with EC Technology

Model No.	Air throughput cfm (m³/h) at 50/60 Hz				Protection category IP to IEC 60 529		
	Unimpeded air flow	with outlet filter incl. filter mat			Standard	with additional fine filter mat	with hose-proof hood
3238.500	32 (55)	1 x 3238.200	2 x 3238.200	-	IP 54	IP 55	IP 56
3239.500	62 (105)	1 x 3239.200	2 x 3239.200	1 x 3240.200			
3240.500	106 (180)	1 x 3240.200	2 x 3240.200	1 x 3243.200			
3241.500	135 (230)	1 x 3240.200	2 x 3240.200	1 x 3243.200			
3243.500	324 (550)	1 x 3243.200	2 x 3243.200	-			
3244.500	412 (700)	1 x 3243.200	2 x 3243.200	-			
3245.500	530 (900)	1 x 3243.200	2 x 3243.200	-	IP 51	IP 52	
3245.510	530 (900)	1 x 3243.200	2 x 3243.200	-			

TopTherm Filter Fans EMC

Model No.	Air throughput cfm (m³/h) at 50/60 Hz			Protection category IP to IEC 60 529		
	Unimpeded air flow	with EMC outlet filter incl. EMC filter mat		Standard	with additional fine filter mat	with hose-proof hood
3237.600	12/15 (20/25)	1 x 3237.060 9/11 (15/18)	-	-	-	IP 56
3237.610	12/15 (20/25)	1 x 3237.060 9/11 (15/18)	-	-	-	
3238.600	32/39 (55/66)	1 x 3238.060 25/29 (43/50)	2 x 3238.060 28/34 (48/57)	-	-	
3239.600	62/71 (105/120)	1 x 3239.060 51/59 (87/100)	2 x 3239.060 55/64 (93/108)	1 x 3240.060 58/65 (98/111)	-	
3240.600	106/94 (180/160)	1 x 3240.060 81/68 (138/115)	2 x 3240.060 97/82 (165/140)	1 x 3243.060 97/82 (165/140)	-	
3241.600	135/147 (230/250)	1 x 3240.060 108/115 (183/195)	2 x 3240.060 119/135 (203/230)	1 x 3243.060 119/135 (203/230)	-	
3241.610	135/147 (230/250)	1 x 3240.060 108/115 (183/195)	2 x 3240.060 119/135 (203/230)	1 x 3243.060 119/135 (203/230)	-	
3243.600	324/353 (550/600)	1 x 3243.060 259/288 (440/490)	2 x 3243.060 300/330 (510/560)	-	-	
3243.610	324/353 (550/600)	1 x 3243.060 259/288 (440/490)	2 x 3243.060 300/330 (510/560)	-	-	
3244.600	412/453 (700/770)	1 x 3243.060 320/359 (544/610)	2 x 3243.060 371/406 (630/690)	-	-	
3244.610	412/453 (700/770)	1 x 3243.060 320/359 (544/610)	2 x 3243.060 371/406 (630/690)	-	-	
3245.600	530 (900)	1 x 3243.060 400 (680)	2 x 3243.060 483 (820)	-	-	

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TopTherm Roof-Mounted Fans



Climate control accessories Page 305 Vent attachment TS Page 319

The active roof-mounted fans fit exactly on the cut-outs of small and medium performance category of the TopTherm roof-mounted cooling units.

Material:
– Carbon steel, spray finished
Color:
– RAL 7035

Protection category IP to IEC 60 529:
– IP 43

Technical details:
Available on the Internet

Supply includes:
– Unit ready for installation with built-in radial fan
– Sealing and assembly components

Air throughput 235 – 471 cfm (400 – 800 m³/h)

Model No.	Packs of	3149.410	3149.420	3149.440	3149.810	3149.820	3149.840	Page
Rated operating voltage V, ~, Hz		115, 1~, 50/60	230, 1~, 50/60	400, 3~, 50/60 460, 3~, 60	115, 1~, 50/60	230, 1~, 50/60	400, 3~, 50/60 460, 3~, 60	
Air throughput (unimpeded air flow) cfm (m³/h)		235 (400)	235 (400)	235 (400)	471 (800)	471 (800)	471 (800)	
Rated current A		1.1/1.6	0.55/0.88	0.35/0.35	1.5/2.2	0.75/1.1	0.35/0.55	
Power consumption W		120/170	120/170	95/140	170/225	170/225	180/310	
Height inches (mm)		5 (125)	5 (125)	5 (125)	5 (125)	5 (125)	5 (125)	
Width inches (mm)		22 (550)	22 (550)	22 (550)	22 (550)	22 (550)	22 (550)	
Depth inches (mm)		15 (370)	15 (370)	15 (370)	15 (370)	15 (370)	15 (370)	
Required mounting cut-out inches (mm)		19 x 10 (475 x 260)	19 x 10 (475 x 260)	19 x 10 (475 x 260)	19 x 10 (475 x 260)	19 x 10 (475 x 260)	19 x 10 (475 x 260)	
Operating temperature range		+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	
Noise pressure level dB (A)		68/69	68/69	68/69	69/70	69/70	69/70	
Weight lb (kg)		22 (10.0)	22 (10.0)	22 (10.0)	24 (11.0)	24 (11.0)	24 (11.0)	
Accessories								
Roof Plates TS	1 pc(s).	8801.320	8801.320	8801.320	8801.320	8801.320	8801.320	319
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	–	3114.200	3114.200	–	315
Speed Control	1 pc(s).	3120.200	3120.200	–	3120.200	3120.200	–	317
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	–	3110.000	3110.000	–	315

Roof-Mounted Fan, Roof Vent



Climate control accessories Page 305

Material:

- Carbon steel, spray finished

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 43

Supply includes:

- Unit ready for installation with built-in radial fan
- Sealing and assembly components
- Connection cable (3 m)
- Drilling template

Note:

- Via additional installation of the filter holder with filter mat, a protection category of IP 44 is achieved with roof vent 3148.007

Technical details:

Available on the Internet

Air throughput 212 cfm (360 m³/h)

Model No.	Packs of	3148.007	3149.007	3169.007	Page
Rated operating voltage V, ~, Hz		without fan motor	230, 1~, 50/60	115, 1~, 50/60	
Air throughput (unimpeded air flow) cfm (m³/h)		-	212 (360)	212 (360)	
Rated current A		-	0.2	0.55	
Power consumption W		-	42	65	
Height inches (mm)		3 (65)	4 (95)	4 (95)	
Width inches (mm)		17 (420)	17 (420)	17 (420)	
Depth inches (mm)		13 (340)	13 (340)	13 (340)	
Required mounting cut-out inches (mm)		14 x 10 (345 x 265)	14 x 10 (345 x 265)	14 x 10 (345 x 265)	
Operating temperature range		+14°F...+140°F	+14°F...+140°F	+14°F...+140°F	
Noise pressure level dB (A)		-	53	53	
Weight lb (kg)		15 (6.8)	17 (7.8)	17 (7.8)	
Accessories					
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	-	3114.200	3114.200	315
Enclosure Internal Thermostat	1 pc(s).	-	3110.000	3110.000	315
Filter Holder	1 pc(s).	3175.000	-	-	309

Rack-Mounted Fans for 19" (482.6 mm)



Climate control accessories Page 305

Supply includes:

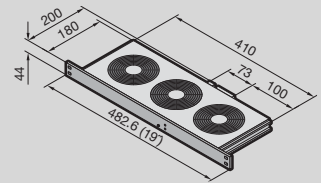
- Wired unit ready for installation
- Terminal strip and assembly components

Approvals:

Available on the Internet

Technical details:

Available on the Internet



Air throughput 188 – 283 cfm (320 – 480 m³/h)

Model No.	Packs of	3340.230	3341.115	3341.230	3342.024	3342.230	3342.500	Page
With monitoring		-	-	-	-	-	■	
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	24 (DC)	230, 1~, 50/60	115 - 230, 1~, 50/60 24 (DC)	
Air throughput (unimpeded air flow) cfm (m ³ /h)		188 (320)	283 (480)	283 (480)	283 (480)	283 (480)	283 (480)	
Number of fans		2	3	3	3	3	3	
Distance between axes, inches (mm)		3 (85)	3 (85)	3 (85)	4 (105)	4 (105)	4 (105)	
Rated current A		0.24/0.22	0.69/0.69	0.36/0.33	0.74	0.36/0.33	0.85	
Pre-fuse A		6	6	6	6	6	6	
Height inches (mm)		2 (44)	2 (44)	2 (44)	2 (44)	2 (44)	2 (44)	
Width inches (mm)		19 (482.6)	19 (482.6)	19 (482.6)	19 (482.6)	19 (482.6)	19 (482.6)	
Depth inches (mm)		8 (200)	8 (200)	8 (200)	8 (200)	8 (200)	8 (200)	
Operating temperature range		+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	
Noise pressure level dB (A)		51	52	51	51	51	51	
Accessories								
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	3114.200	3114.200	315
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	315
Speed Control	1 pc(s).	3120.200	3120.200	3120.200	-	3120.200	-	317

Vario Rack-Mounted Fans for 19" (482.6 mm)



Climate control accessories Page 305

Supply includes:

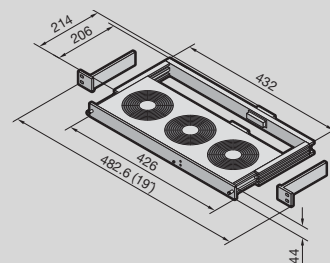
- Wired unit ready for installation
- Terminal strip and assembly components

Approvals:

Available on the Internet

Technical details:

Available on the Internet



Air throughput 188 – 283 cfm (320 – 480 m³/h)

Model No.	Packs of	3350.230	3351.230	3352.230	3352.500	Page
With monitoring		-	-	-	■	
Rated operating voltage V, ~, Hz		230, 1~, 50/60	230, 1~, 50/60	230, 1~, 50/60	115 - 230, 1~, 50/60 24 (DC)	
Air throughput (unimpeded air flow) cfm (m³/h)		188 (320)	283 (480)	283 (480)	283 (480)	
Number of fans		2	3	3	3	
Distance between axes, inches (mm)		3 (85)	3 (85)	4 (105)	4 (105)	
Rated current A		0.24/0.22	0.36/0.33	0.36/0.33	0.85/0.85	
Pre-fuse A		6	6	6	6	
Height inches (mm)		2 (44)	2 (44)	2 (44)	2 (44)	
Width inches (mm)		19 (482.6)	19 (482.6)	19 (482.6)	19 (482.6)	
Depth inches (mm)		8 (200)	8 (200)	8 (200)	8 (200)	
Operating temperature range		+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	+14°F...+131°F	
Noise pressure level dB (A)		51	51	51	51	
Also required						
Guide Frame	1 pc(s).	3355.100	3355.100	3355.100	3357.100	320
Accessories						
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	315
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	315
Speed Control	1 pc(s).	3120.200	3120.200	3120.200	-	317

Blower Fans for 19" (482.6 mm)



Climate control accessories Page 305

Supply includes:

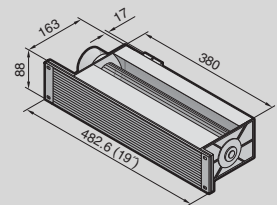
- Wired unit ready for installation
- Filter mat

Approvals:

Available on the Internet

Technical details:

Available on the Internet



Air throughput 188 cfm (320 m³/h)

Model No.	Packs of	3144.000	3145.000	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	
Air throughput (unimpeded air flow) cfm (m³/h)		188 (320)	188 (320)	
Rated current A		0.16	0.32	
Power consumption W		37	37	
Height inches (mm)		3 (88)	3 (88)	
Width inches (mm)		19 (482.6)	19 (482.6)	
Depth inches (mm)		6 (158)	6 (158)	
Operating temperature range		+14°F...+131°F	+14°F...+131°F	
Noise pressure level dB (A)		52	52	
Speed rpm		2245	2245	
Max. static pressure difference Pa		65 - 70	65 - 70	

Accessories

Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	315
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	315
Filter Mats	5 pc(s).	3177.000	3177.000	305
Roof Vent	1 pc(s).	3148.007	3148.007	253
Speed Control	1 pc(s).	3120.200	3120.200	317

TopTherm Air/Air Heat Exchangers



Climate control accessories Page 305

Temperature control:

- Electronic controller with digital display (factory setting +35°C)

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- Internal circuit IP 54

Supply includes:

- Complete unit ready for installation
- Plug-in terminal strip
- Floating fault signal contact in case of overtemperature

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Specific thermal output 17.5 – 45 W/K, wall-mounted with controller

Model No.	Packs of	3126.100	3126.115	3127.100	3127.115	3128.100	3128.115	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	
Specific thermal output W/K		17.5	17.5	30	30	45	45	
Max. rated current per fan A		0.11/0.13	0.11/0.13	0.28/0.34	0.28/0.34	0.3/0.4	0.3/0.4	
Pre-fuse A		2	2	2	2	2	2	
Output per fan BTU (W)		78/92 (23/27)	78/92 (23/27)	205/256 (60/75)	205/256 (60/75)	239/307 (70/90)	239/307 (70/90)	
Air throughput of fans (unimpeded air flow), external circuit cfm (m ³ /h)		156/185 (265/315)	156/185 (265/315)	283/309 (480/525)	283/309 (480/525)	353/368 (600/625)	353/368 (600/625)	
Air throughput of fans (unimpeded air flow), internal circuit cfm (m ³ /h)		156/185 (265/315)	156/185 (265/315)	283/309 (480/525)	283/309 (480/525)	353/368 (600/625)	353/368 (600/625)	
Height inches (mm)		22 (550)	22 (550)	37 (950)	37 (950)	37 (950)	37 (950)	
Width inches (mm)		11 (280)	11 (280)	16 (400)	16 (400)	16 (400)	16 (400)	
Depth inches (mm)		6 (150)	6 (150)	8 (205)	8 (205)	8 (205)	8 (205)	
Operating temperature range		+23°F...+131°F	+23°F...+131°F	+23°F...+131°F	+23°F...+131°F	+23°F...+131°F	+23°F...+131°F	
Weight lb (kg)		22 (10.0)	22 (10.0)	40 (18.0)	40 (18.0)	42 (19.0)	42 (19.0)	
Accessories								
Filter Mats	3 pc(s).	3286.300	3286.300	3286.400	3286.400	3286.400	3286.400	305
Metal Filters	1 pc(s).	3286.310	3286.310	3286.410	3286.410	3286.410	3286.410	306

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