

Climate Control

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TÜV-tested performance to DIN EN 14511:2012-01

Rittal is the only supplier in the world to offer a full range of enclosure cooling units tested to the latest (DIN) EN standard (except cooling units with protection category NEMA 3R or NEMA 4X).

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for industry

Thanks to the Therm software and innovative Therm App, calculating the climate control requirements could not be easier. With the range of climate control products from Rittal, you can be sure of finding the perfect solution for every need.

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- Rittal – Therm software
- Rittal – Type-tested climate control software



ENCLOSURES

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Climate Control from the smallest to the largest

- Air cooling
- Cooling units
- Liquid cooling
- Enclosure heaters



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

- Up to 10% more output – with TÜV-tested cooling units
- Energy savings of up to 45% with cooling units from the “Blue e” generation



IT INFRASTRUCTURE

SOFTWARE & SERVICES



Your Benefits

Rittal is THE global system supplier of effective yet energy-efficient and environmentally-friendly climate control solutions perfectly tailored to every need.

Faster – Easy project planning with the Therm App

Better – Efficient and energy-saving climate control technology, TÜV-tested

Everywhere – Global spare parts service



ENCLOSURES

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CLIMATE CONTROL



IT INFRASTRUCTURE

SOFTWARE & SERVICES



Rittal – The System.

Faster – better – everywhere.



Air Cooling

TopTherm Filter Fans

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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:

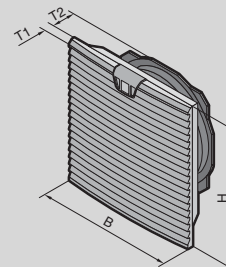
Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



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

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) cfm (m³/h)		12/15 (20/25)	12/15 (20/25)	12 (20)	32/39 (55/66)	32/39 (55/66)	32 (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	
Height (H) inches (mm)		5 (116.5)	5 (116.5)	5 (116.5)	6 (148.5)	6 (148.5)	6 (148.5)	
Width (B) inches (mm)		5 (116.5)	5 (116.5)	5 (116.5)	6 (148.5)	6 (148.5)	6 (148.5)	
Depth (T1) inches (mm)		1 (16)	1 (16)	1 (16)	1 (16)	1 (16)	1 (16)	
Maximum installation depth (T2) inches (mm)		2 (43)	2 (43)	2 (43)	2 (58.5)	2 (58.5)	2 (58.5)	
Required mounting cut-out (HxW) inches (mm)		4 x 4 (92 x 92)	4 x 4 (92 x 92)	4 x 4 (92 x 92)	5 x 5 (124 x 124)	5 x 5 (124 x 124)	5 x 5 (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		+5°F...+131°F	+5°F...+131°F	+5°F...+131°F	+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	-22°F...+158°F	-22°F...+158°F	-22°F...+158°F	
Noise pressure level dB (A)		38/43	38/43	38	46/49	46/49	46	

Accessories

Outlet Filters	1 pc(s).	3237.200	3237.200	3237.200	3238.200	3238.200	3238.200	308
Spare Filter Mats		see page	see page	see page	see page	see page	see page	307
Fine Filter Mats	5 pc(s).	–	–	–	3238.055	3238.055	3238.055	307
Hose-Proof Hood	1 pc(s).	3237.080	3237.080	3237.080	3238.080	3238.080	3238.080	308
Blanking Cover	2 pc(s).	3237.020	3237.020	3237.020	3238.020	3238.020	3238.020	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
Hygostat	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 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



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:

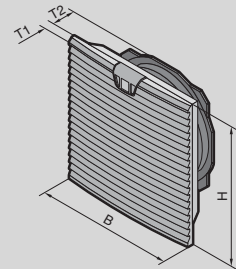
Available on the Internet

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



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:

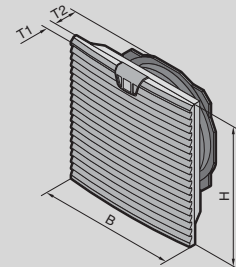
Available on the Internet

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

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
Hygrostat	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 (m³/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

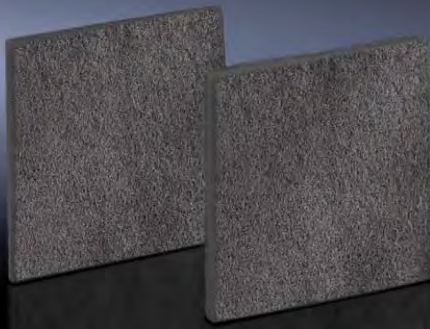
See page 321

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 (m³/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
Hygostat	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 9/11 (15/18)	-	-	IP 54	-	IP 56
3237.110							
3237.124	12 (20)						
3238.100	32/39 (55/66)	1 x 3238.200 25/29 (43/50)	2 x 3238.200 28/34 (48/57)	-			
3238.110							
3238.124	32 (55)	1 x 3238.200 25 (43)	2 x 3238.200 28 (48)				
3239.100	62/71 (105/120)	1 x 3239.200 51/59 (87/100)	2 x 3239.200 55/64 (93/108)	1 x 3240.200 58/65 (98/111)			
3239.110							
3239.124	62 (105)	1 x 3239.200 51 (87)	2 x 3239.200 55 (93)	1 x 3240.200 58 (98)			
3240.100	106/94 (180/160)	1 x 3240.200 81/68 (138/115)	2 x 3240.200 97/82 (165/140)	1 x 3243.200 97/82 (165/140)			
3240.110							
3240.124	106 (180)	1 x 3240.200 81 (138)	2 x 3240.200 97 (165)	1 x 3243.200 97 (165)			
3241.100	135/147 (230/250)	1 x 3240.200 108/115 (183/195)	2 x 3240.200 119/135 (203/230)	1 x 3243.200 119/135 (203/230)			
3241.110							
3241.124	135 (230)	1 x 3240.200 108 (183)	2 x 3240.200 119 (203)	1 x 3243.200 119 (203)			
3243.100	324/353 (550/600)	1 x 3243.200 259/288 (440/490)	2 x 3243.200 300/330 (510/560)	-			
3243.110							
3244.100	412/453 (700/770)	1 x 3243.200 320/359 (544/610)	2 x 3243.200 371/406 (630/690)	-			
3244.110							
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 25 (43)	2 x 3238.200 28 (48)	-	IP 54	IP 55	IP 56
3239.500	62 (105)	1 x 3239.200 51 (87)	2 x 3239.200 55 (93)	1 x 3240.200 58 (98)			
3240.500	106 (180)	1 x 3240.200 81 (138)	2 x 3240.200 97 (165)	1 x 3243.200 97 (165)			
3241.500	135 (230)	1 x 3240.200 108 (183)	2 x 3240.200 119 (203)	1 x 3243.200 119 (203)			
3243.500	324 (550)	1 x 3243.200 259 (440)	2 x 3243.200 300 (510)	-			
3244.500	412 (700)	1 x 3243.200 320 (544)	2 x 3243.200 371 (630)	-			
3245.500	530 (900)	1 x 3243.200 400 (680)	2 x 3243.200 483 (820)	-	IP 51	IP 52	
3245.510	530 (900)	1 x 3243.200 400 (680)	2 x 3243.200 483 (820)	-			

Air Throughput and Protection Category

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 54	–	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)	–		IP 55	
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)	–	IP 51	IP 52	



Expert knowledge
from the experts

See Rittal websites

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

Supply includes:

- Unit ready for installation with built-in radial fan
- Sealing and assembly components

Technical details:

Available on the Internet

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

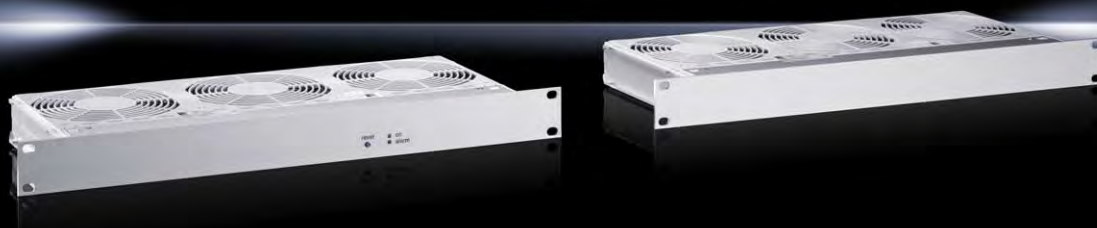
Air throughput 212 cfm (360 m³/h)

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:

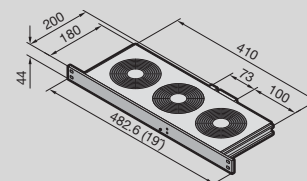
- Wired unit ready for installation
- Terminal strip and assembly components

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:

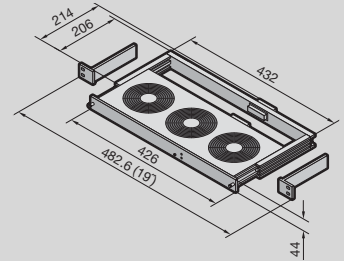
- Wired unit ready for installation
- Terminal strip and assembly components

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
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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:

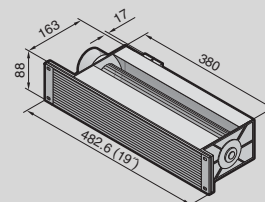
- Wired unit ready for installation
- Filter mat

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

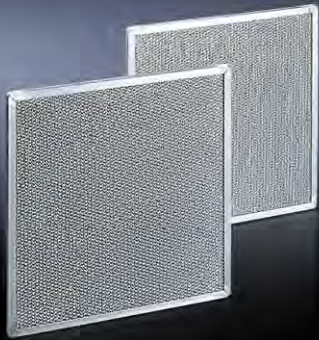
Model No.	Packs of	3126.100	3126.115	3127.100	3127.115	3128.100	3128.115	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	
Specific thermal output W/K		17.5	17.5	30	30	45	45	
Max. rated current per fan A		0.11/0.13	0.11/0.13	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 (m³/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 (m³/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

TopTherm Air/Air Heat Exchangers

Specific thermal output 60 – 90 W/K, wall-mounted with controller

Model No.	Packs of	3129.100	3129.115	3130.100	3130.115	Page
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	
Specific thermal output W/K		60	60	90	90	
Max. rated current per fan A		0.38/0.4	0.38/0.4	0.67/0.88	0.67/0.88	
Pre-fuse A		2	2	4	4	
Output per fan BTU (W)		290/307 (85/90)	290/307 (85/90)	512/682 (150/200)	512/682 (150/200)	
Air throughput of fans (unimpeded air flow), external circuit cfm (m³/h)		506/530 (860/900)	506/530 (860/900)	500/556 (850/945)	500/556 (850/945)	
Air throughput of fans (unimpeded air flow), internal circuit cfm (m³/h)		506/530 (860/900)	506/530 (860/900)	500/556 (850/945)	500/556 (850/945)	
Height inches (mm)		37 (950)	37 (950)	62 (1580)	62 (1580)	
Width inches (mm)		16 (400)	16 (400)	16 (400)	16 (400)	
Depth inches (mm)		9 (225)	9 (225)	8 (215)	8 (215)	
Operating temperature range		+23°F...+131°F	+23°F...+131°F	+23°F...+131°F	+23°F...+131°F	
Weight lb (kg)		46 (21.0)	46 (21.0)	75 (34.0)	75 (34.0)	
Accessories						
Filter Mats	3 pc(s).	3286.400	3286.400	3286.400	3286.400	305
Metal Filters	1 pc(s).	3286.410	3286.410	3286.410	3286.410	306

Accessories



Metal Filters

See page 306

Rittal – The System.

Faster – better – everywhere.



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Thermoelectric Cooler

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Modular Climate Control Concept

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“Blue e” Generation

Continuous energy savings with cooling units from Rittal.

Saving in energy consumption **up to 45%** with the same cooling output (in ideal conditions, 70% in comparison to a conventional Rittal TopTherm Plus cooling unit in field testing).



Thermoelectric Cooler



Climate control accessories Page 305 Therm software package Page 321

Unit material:

- Aluminum, anodized

Color of cover:

- RAL 7024

Protection category IP to

IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

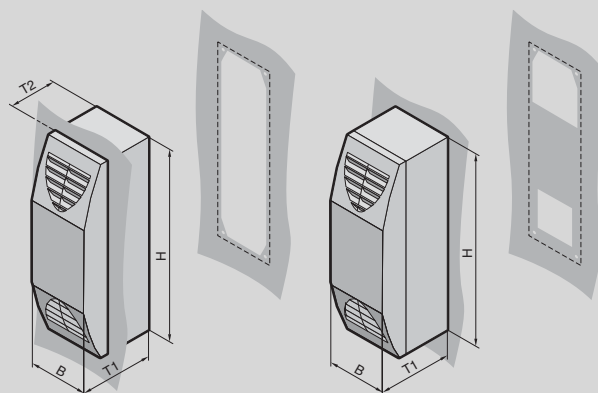
- Thermoelectric climate control unit
- Wired ready for connection (plug-in terminal strip)
- Mounting accessories
- Parameterization software

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



Total cooling output/heating output 341 BTU (100 W)

Model No.	Packs of	3201.200	3201.300	Page
Rated operating voltage V, ~, Hz		100 - 240, 1~, 50/60	24 (DC)	
Total cooling output L35 L35 BTU (W)		341/341 (100/100)	341 (100)	
Heating output BTU (W)		341 (100)	341 (100)	
Height (H) inches (mm)		16 (400)	16 (400)	
Width (B) inches (mm)		5 (125)	5 (125)	
Depth (T1) inches (mm)		6 (155)	6 (155)	
Installation depth (T2) inches (mm)		4 (100)	4 (100)	
Start-up current A		6.4	4.5	
Rated current max. A		1.9	4.5	
Pre-fuse A		4	10	
Operating temperature range		-22°F...+131°F	-22°F...+140°F	
Refrigeration factor/COP		1	1.2	
Power pack integrated		■	–	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)		29/29 (50/50)	29/29 (50/50)	
Weight lb (kg)		6.6 (3.0)	5.3 (2.4)	
Accessories				
Spare Filter Mats	5 pc(s).	3201.050	3201.050	307
SK BUS System	1 pc(s).	3201.070	3201.070	318
Condensate Hose	1 pc(s).	3301.606	3301.606	313

TopTherm Wall-Mounted Cooling Units, Horizontal Format



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- Basic controller (factory setting +35°C)

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

- Nano-coated condenser
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Approvals:

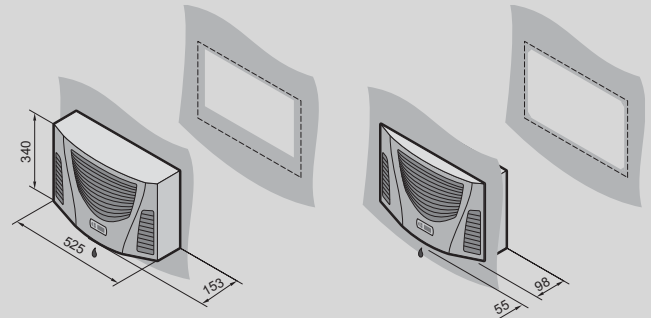
Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



Power category 1024 BTU (300 W)

Model No.		Packs of	3302.300	3302.310	Page
Material	Carbon steel		■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			1228 (0.36)	–	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			1228/1297 (0.36/0.38)	1297 (0.38)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			717/751 (0.21/0.22)	785 (0.23)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 60	
Height inches (mm)			13 (340)	13 (340)	
Width inches (mm)			21 (525)	21 (525)	
Depth inches (mm)			6 (153)	6 (153)	
Rated current max. A			1.6/1.7	4	
Start-up current A			4.3/5.3	12	
Pre-fuse A			10	10	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.27/0.29	0.32	
Rated power P _{el} 50/60 Hz L35 L50 kW			0.31/0.33	0.37	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	
Setting range			+86°F...+131°F	+86°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.3	1.18	
Refrigerant oz (g)			R134a, 3.5 (100)	R134a, 3.4 (95)	
Permissible operating pressure (p. max.) psi (bar)			363 (25)	363 (25)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			182/182 (310/310)	177/177 (300/300)	
Weight lb (kg)			28.7 (13.0)	28.7 (13.0)	
Accessories					
Filter Mats		3 pc(s).	3286.110	3286.110	305
Metal Filters		1 pc(s).	3286.120	3286.120	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	550
Condensate Hose		1 pc(s).	3301.610	3301.610	313

TopTherm Wall-Mounted Cooling Units



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- Basic controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

- Nano-coated condenser
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Approvals:

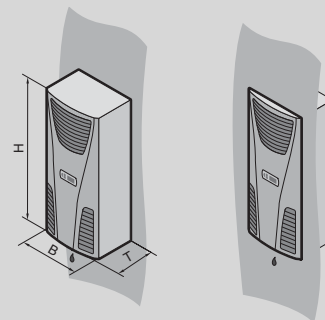
Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



Power category 1024 BTU (300 W)

Model No.		Packs of	3302.100	3302.110	3302.200	Page
Material	Stainless steel		–	–	■	
	Carbon steel		■	■	–	
Color	RAL 7035		■	■	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			1228 (0.36)	–	1228 (0.36)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			1228/1297 (0.36/0.38)	1297 (0.38)	1228/1297 (0.36/0.38)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			717/785 (0.21/0.23)	785 (0.23)	717/785 (0.21/0.23)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 60	230, 1~, 50/60	
Height (H) inches (mm)			22 (550)	22 (550)	22 (550)	
Width (B) inches (mm)			11 (280)	11 (280)	11 (280)	
Depth (T) inches (mm)			6 (140)	6 (140)	6 (140)	
Rated current max. A			1.6/1.7	3.3	1.6/1.7	
Start-up current A			3/3.4	8	3/3.4	
Pre-fuse A			10	10	10	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.27/0.28	0.32	0.28/0.29	
Rated power P _{el} 50/60 Hz L35 L50 kW			0.28/0.3	0.37	0.29/0.31	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+86°F...+131°F	+86°F...+131°F	+86°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.32	1.18	1.3	
Refrigerant oz (g)			R134a, 3.5 (100)	R134a, 3.5 (100)	R134a, 3.5 (100)	
Permissible operating pressure (p. max.) psi (bar)			363 (25)	363 (25)	363 (25)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			203/182 (345/310)	203/182 (345/310)	203/182 (345/310)	
Weight lb (kg)			28.7 (13.0)	28.7 (13.0)	28.7 (13.0)	
Accessories						
Filter Mats		3 pc(s).	3286.300	3286.300	3286.300	305
Metal Filters		1 pc(s).	3286.310	3286.310	3286.310	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550
Condensate Hose		1 pc(s).	3301.610	3301.610	3301.610	313

TopTherm Blue e Wall-Mounted Cooling Units



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

- Nano-coated condenser
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Approvals:

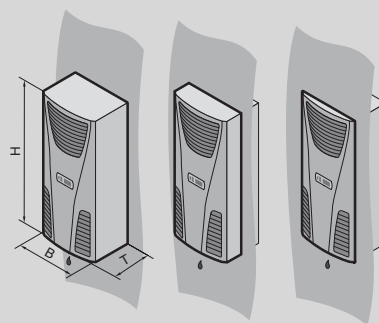
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Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



Power category 1706 BTU (500 W)

Model No.		Packs of	3303.500	3303.510	3303.600	Page
Material	Stainless steel		-	-	■	
	Carbon steel		■	■	-	
Color	RAL 7035		■	■	-	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			1877 (0.55)	-	1877 (0.55)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			1877/2252 (0.55/0.66)	2252 (0.66)	1877/2252 (0.55/0.66)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			1126/1365 (0.33/0.4)	1365 (0.4)	1126/1365 (0.33/0.4)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 60	230, 1~, 50/60	
Height (H) inches (mm)			22 (550)	22 (550)	22 (550)	
Width (B) inches (mm)			11 (280)	11 (280)	11 (280)	
Depth (T) inches (mm)			8 (210)	8 (210)	8 (210)	
Rated current max. A			2.6/2.6	5.7	2.6/2.6	
Start-up current A			5.1/6.4	11.5	5.1/6.4	
Pre-fuse A			10	10	10	
Rated power P _{ei} 50/60 Hz L35 L35 kW			0.39/0.41	0.5	0.39/0.41	
Rated power P _{ei} 50/60 Hz L35 L50 kW			0.45/0.42	0.53	0.45/0.42	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.4	1.31	1.4	
Refrigerant oz (g)			R134a, 6.0 (170)	R134a, 6.0 (170)	R134a, 6.0 (170)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			156/185 (265/315)	165/203 (280/345)	156/185 (265/315)	
Weight lb (kg)			37.5 (17.0)	37.5 (17.0)	37.5 (17.0)	
Accessories						
Filter Mats	3 pc(s).		3286.300	3286.300	3286.300	305
Metal Filters	1 pc(s).		3286.310	3286.310	3286.310	306
Door-Operated Switch	1 pc(s).		4127.010	4127.010	4127.010	550
Condensate Hose	1 pc(s).		3301.610	3301.610	3301.610	313

TopTherm Blue e Wall-Mounted Cooling Units

Power category 2559 BTU (750 W)

Model No.		Packs of	3361.500	3361.510	3361.600	Page
Material	Stainless steel		–	–	■	
	Carbon steel		■	■	–	
Color	RAL 7035		■	■	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			2900 (0.85)	–	2900 (0.85)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			2900/3037 (0.85/0.89)	3037 (0.89)	2900/3037 (0.85/0.89)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			2286/2286 (0.67/0.67)	2286 (0.67)	2286/2286 (0.67/0.67)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 60	230, 1~, 50/60	
Height (H) inches (mm)			22 (550)	22 (550)	22 (550)	
Width (B) inches (mm)			11 (280)	11 (280)	11 (280)	
Depth (T) inches (mm)			11 (280)	11 (280)	11 (280)	
Rated current max. A			2.7/2.7	5.3	2.7/2.7	
Start-up current A			6/9.6	12	6/9.6	
Pre-fuse A			10	10	10	
Transformer circuit-breaker A			–	–	–	
Toroidal transformer (external) Ø x D inches (mm)			–	–	–	
Rated power P _{ei} 50/60 Hz L35 L35 kW			0.41/0.44	0.56	0.41/0.44	
Rated power P _{ei} 50/60 Hz L35 L50 kW			0.47/0.5	0.66	0.47/0.5	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Operating temperature (max.) 60 Hz			+50°F...+127°F	+50°F...+126°F	+50°F...+127°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.08	1.59	2.08	
Refrigerant oz (g)			R134a, 9.9 (280)	R134a, 9.2 (260)	R134a, 9.9 (280)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			135/324 (230/550)	135/368 (230/625)	135/324 (230/550)	
Weight lb (kg)			48.5 (22.0)	48.5 (22.0)	48.5 (22.0)	
Accessories						
Filter Mats		3 pc(s).	3286.300	3286.300	3286.300	305
Metal Filters		1 pc(s).	3286.310	3286.310	3286.310	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550
Condensate Hose		1 pc(s).	3301.610	3301.610	3301.610	313

Accessories



Thermoelectric Cooler

See page 262

TopTherm Blue e Wall-Mounted Cooling Units



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

- Nano-coated condenser
- Integral electric condensate evaporation
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Approvals:

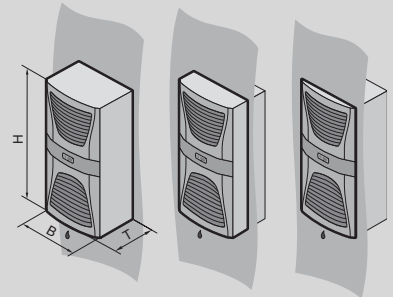
Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



Power category 3412 BTU (1000 W)

Model No.		Packs of	3304.500	3304.510	Page
Material	Stainless steel		—	—	
	Carbon steel		■	■	
Color	RAL 7035		■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			3753 (1.1)	3753 (1.1)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			3753/4265 (1.1/1.25)	3753/4265 (1.1/1.25)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			3105/3071 (0.91/0.9)	3105/3071 (0.91/0.9)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	
Height (H) inches (mm)			37 (950)	37 (950)	
Width (B) inches (mm)			16 (400)	16 (400)	
Depth (T) inches (mm)			10 (260)	10 (260)	
Rated current max. A			5.4/5	10.6/11.1	
Start-up current A			12/14	26/28	
Pre-fuse A			10	—	
Transformer circuit-breaker A			—	11...16	
Motor circuit-breaker A			—	—	
Rated power P _{st} 50/60 Hz L35 L35 kW			0.6/0.68	0.6/0.68	
Rated power P _{st} 50/60 Hz L35 L50 kW			0.71/0.81	0.71/0.81	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.83	1.83	
Refrigerant oz (g)			R134a, 11.4 (325)	R134a, 17.6 (500)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			353/530 (600/900)	353/530 (600/900)	
Weight lb (kg)			86.0 (39.0)	97.0 (44.0)	

Accessories

Filter Mats	3 pc(s).	3286.400	3286.400	305
Metal Filters	1 pc(s).	3286.410	3286.410	306
Door-Operated Switch	1 pc(s).	4127.010	4127.010	550

TopTherm Blue e Wall-Mounted Cooling Units

Power category 3412 BTU (1000 W)

Model No.		Packs of	3304.540	3304.600	3304.640	Page
Material	Stainless steel		–	■	■	
	Carbon steel		■	–	–	
Color	RAL 7035		■	–	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			3753 (1.1)	3753 (1.1)	3753 (1.1)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			3753/4265 (1.1/1.25)	3753/4265 (1.1/1.25)	3753/4265 (1.1/1.25)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			3344/3071 (0.98/0.9)	3105/3071 (0.91/0.9)	3344/3071 (0.98/0.9)	
Rated operating voltage V, ~, Hz			400, 3~, 50 460, 3~, 60	230, 1~, 50/60	400, 3~, 50 460, 3~, 60	
Height (H) inches (mm)			37 (950)	37 (950)	37 (950)	
Width (B) inches (mm)			16 (400)	16 (400)	16 (400)	
Depth (T) inches (mm)			10 (260)	10 (260)	10 (260)	
Rated current max. A			2.8/2.9	5.4/5	2.8/2.4	
Start-up current A			11.5/12.7	12/14	11.5/12.7	
Pre-fuse A			–	10	–	
Transformer circuit-breaker A			–	–	–	
Motor circuit-breaker A			6.3...10	–	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.64/0.79	0.6/0.68	0.64/0.79	
Rated power P _{el} 50/60 Hz L35 L50 kW			0.73/0.9	0.71/0.81	0.73/0.9	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.83	1.83	1.83	
Refrigerant oz (g)			R134a, 11.4 (325)	R134a, 11.4 (325)	R134a, 11.4 (325)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			353/530 (600/900)	353/530 (600/900)	353/530 (600/900)	
Weight lb (kg)			88.2 (40.0)	86.0 (39.0)	88.2 (40.0)	
Accessories						
Filter Mats		3 pc(s).	3286.400	3286.400	3286.400	305
Metal Filters		1 pc(s).	3286.410	3286.410	3286.410	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550

Accessories

Spare Filter Mats

See page 307

TopTherm Blue e Wall-Mounted Cooling Units

Power category 5118 BTU (1500 W)

Model No.		Packs of	3305.500	3305.510	3305.540	3305.600	3305.640	Page
Material	Stainless steel		–	–	–	■	■	
	Carbon steel		■	■	■	–	–	
Color	RAL 7035		■	■	■	–	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			5459 (1.6)	5459 (1.6)	5459 (1.6)	5459 (1.6)	5459 (1.6)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			5459/6005 (1.6/1.76)	5459/6005 (1.6/1.76)	5459/5494 (1.6/1.61)	5459/6005 (1.6/1.76)	5459/5494 (1.6/1.61)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			4265/4675 (1.25/1.37)	4265/4675 (1.25/1.37)	4538/4606 (1.33/1.35)	4265/4675 (1.25/1.37)	4538/4606 (1.33/1.35)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	400, 3~, 50/460, 3~, 60	230, 1~, 50/60	400, 3~, 50/460, 3~, 60	
Height (H) inches (mm)			37 (950)	37 (950)	37 (950)	37 (950)	37 (950)	
Width (B) inches (mm)			16 (400)	16 (400)	16 (400)	16 (400)	16 (400)	
Depth (T) inches (mm)			10 (260)	10 (260)	10 (260)	10 (260)	10 (260)	
Rated current max. A			5.5/5.8	11.5/12.5	2.5/2.8	5.5/5.8	2.5/2.8	
Start-up current A			12/14	26/28	12.2/11.3	12/14	12.2/11.3	
Pre-fuse A			16	–	–	16	–	
Transformer circuit-breaker A			–	14...20	–	–	–	
Motor circuit-breaker A			–	–	6.3...10	–	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.87/0.98	0.87/0.98	0.9/1.08	0.87/0.98	0.9/1.08	
Rated power P _{el} 50/60 Hz L35 L50 kW			1.03/1.15	1.03/1.15	1.06/1.25	1.03/1.15	1.06/1.25	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.83	1.83	1.83	1.83	1.83	
Refrigerant oz (g)			R134a, 17.6 (500)	R134a, 17.6 (500)	R134a, 17.6 (500)	R134a, 17.6 (500)	R134a, 17.6 (500)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			353/530 (600/900)	353/530 (600/900)	353/530 (600/900)	353/530 (600/900)	353/530 (600/900)	
Weight lb (kg)			90.4 (41.0)	101.4 (46.0)	92.6 (42.0)	90.4 (41.0)	92.6 (42.0)	
Accessories								
Filter Mats		3 pc(s).	3286.400	3286.400	3286.400	3286.400	3286.400	305
Metal Filters		1 pc(s).	3286.410	3286.410	3286.410	3286.410	3286.410	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	550

Accessories

Therm Software

See page 321

TopTherm Blue e Wall-Mounted Cooling Units



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

- Nano-coated condenser
- Integral electric condensate evaporation
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Note:

- Full installation not supported with SK 3332.XXX

Approvals:

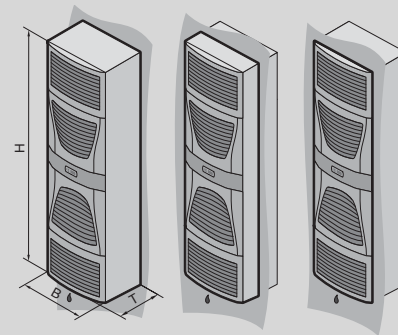
Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



Power category 6824 BTU (2000 W)

Model No.		Packs of	3328.500	3328.510	Page
Material	Stainless steel		—	—	
	Carbon steel		■	■	
Color	RAL 7035		■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			7507 (2.2)	7507 (2.2)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			7507/8735 (2.2/2.56)	7507/8735 (2.2/2.56)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			6210/6654 (1.82/1.95)	6210/6654 (1.82/1.95)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	
Height (H) inches (mm)			62 (1580)	62 (1580)	
Width (B) inches (mm)			16 (400)	16 (400)	
Depth (T) inches (mm)			12 (295)	12 (295)	
Rated current max. A			6.1/6.6	13.4/14.8	
Start-up current A			20/22	40/38	
Pre-fuse A			16	—	
Transformer circuit-breaker A			—	18...25	
Motor circuit-breaker A			—	—	
Rated power P _a 50/60 Hz L35 L35 kW			0.92/1.03	0.92/1.03	
Rated power P _a 50/60 Hz L35 L50 kW			1.06/1.23	1.06/1.23	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.4	2.4	
Refrigerant oz (g)			R134a, 33.5 (950)	R134a, 33.5 (950)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			577/577 (980/980)	577/577 (980/980)	
Weight lb (kg)			145.5 (66.0)	160.9 (73.0)	
Accessories					
Filter Mats		3 pc(s).	3286.400	3286.400	305
Metal Filters		1 pc(s).	3286.410	3286.410	306

TopTherm Blue e Wall-Mounted Cooling Units

Power category 6824 BTU (2000 W)

Model No.		Packs of	3328.540	3328.600	3328.640	Page
Material	Stainless steel		–	■	■	
	Carbon steel		■	–	–	
Color	RAL 7035		■	–	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			7507 (2.2)	7507 (2.2)	7507 (2.2)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			7507/8701 (2.2/2.55)	7507/8735 (2.2/2.56)	7507/8701 (2.2/2.55)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			5630/6449 (1.65/1.89)	6210/6654 (1.82/1.95)	5630/6449 (1.65/1.89)	
Rated operating voltage V, ~, Hz			400, 3~, 50 460, 3~, 60	230, 1~, 50/60	400, 3~, 50 460, 3~, 60	
Height (H) inches (mm)			62 (1580)	62 (1580)	62 (1580)	
Width (B) inches (mm)			16 (400)	16 (400)	16 (400)	
Depth (T) inches (mm)			12 (295)	12 (295)	12 (295)	
Rated current max. A			2.8/3.3	6.1/6.6	2.8/3.3	
Start-up current A			6.8/7.8	20/22	6.8/7.8	
Pre-fuse A			–	16	–	
Transformer circuit-breaker A			–	–	–	
Motor circuit-breaker A			6.3...10	–	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.92/1.15	0.92/1.03	0.93/1.15	
Rated power P _{el} 50/60 Hz L35 L50 kW			1.15/1.4	1.06/1.23	1.15/1.4	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.22	2.4	2.22	
Refrigerant oz (g)			R134a, 33.5 (950)	R134a, 33.5 (950)	R134a, 33.5 (950)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			530/530 (900/900)	577/577 (980/980)	530/530 (900/900)	
Weight lb (kg)			147.7 (67.0)	145.5 (66.0)	147.7 (67.0)	
Accessories						
Filter Mats		3 pc(s).	3286.400	3286.400	3286.400	305
Metal Filters		1 pc(s).	3286.410	3286.410	3286.410	306

Power category 8530 BTU (2500 W)

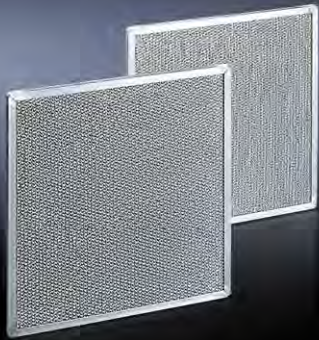
Model No.		Packs of	3329.500	3329.510	3329.540	3329.600	3329.640	Page
Material	Stainless steel		–	–	–	■	■	
	Carbon steel		■	■	■	–	–	
Color	RAL 7035		■	■	■	–	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			8701 (2.55)	8701 (2.55)	8701 (2.55)	8701 (2.55)	8701 (2.55)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			8701/9247 (2.55/2.71)	8701/9247 (2.55/2.71)	8701/9383 (2.55/2.75)	8701/9247 (2.55/2.71)	8701/9383 (2.55/2.75)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			6449/6722 (1.89/1.97)	6449/6722 (1.89/1.97)	6654/6824 (1.95/2)	6449/6722 (1.89/1.97)	6654/6824 (1.95/2)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	400, 3~, 50 460, 3~, 60	230, 1~, 50/60	400, 3~, 50 460, 3~, 60	
Height (H) inches (mm)			62 (1580)	62 (1580)	62 (1580)	62 (1580)	62 (1580)	
Width (B) inches (mm)			16 (400)	16 (400)	16 (400)	16 (400)	16 (400)	
Depth (T) inches (mm)			12 (295)	12 (295)	12 (295)	12 (295)	12 (295)	
Rated current max. A			8.2/9.3	17/22	3.7/3.8	8.2/9.3	3.7/3.8	
Start-up current A			20/24	44/42	6.8/7.6	20/24	6.8/7.6	
Pre-fuse A			16	–	–	16	–	
Transformer circuit-breaker A			–	18...25	–	–	–	
Motor circuit-breaker A			–	–	6.3...10	–	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW			1.21/1.35	1.21/1.35	1.2/1.4	1.21/1.35	1.2/1.4	
Rated power P _{el} 50/60 Hz L35 L50 kW			1.41/1.64	1.41/1.64	1.45/1.75	1.41/1.64	1.45/1.75	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.11	2.11	2.11	2.11	2.11	
Refrigerant oz (g)			R134a, 33.5 (950)	R134a, 33.5 (950)	R134a, 33.5 (950)	R134a, 33.5 (950)	R134a, 33.5 (950)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			724/724 (1230/1230)	724/724 (1230/1230)	706/706 (1200/1200)	724/724 (1230/1230)	706/706 (1200/1200)	
Weight lb (kg)			152.1 (69.0)	167.6 (76.0)	154.3 (70.0)	152.1 (69.0)	154.3 (70.0)	
Accessories								
Filter Mats		3 pc(s).	3286.400	3286.400	3286.400	3286.400	3286.400	305
Metal Filters		1 pc(s).	3286.410	3286.410	3286.410	3286.410	3286.410	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	550

TopTherm Blue e Wall-Mounted Cooling Units

Power category 13649 BTU (4000 W)

Model No.		Packs of	3332.540	3332.640	Page
Material	Stainless steel		–	■	
	Carbon steel		■	–	
Color	RAL 7035		■	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			13478 (3.95)	13478 (3.95)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			13478/14843 (3.95/4.35)	13478/14843 (3.95/4.35)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			10305/12011 (3.02/3.52)	10305/12011 (3.02/3.52)	
Rated operating voltage V, ~, Hz			400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	
Height (H) inches (mm)			62 (1580)	62 (1580)	
Width (B) inches (mm)			20 (500)	20 (500)	
Depth (T) inches (mm)			13 (340)	13 (340)	
Rated current max. A			4.2/4.2	4.2/4.2	
Start-up current A			9.2/11	9.2/11	
Pre-fuse			–	–	
Transformer circuit-breaker			–	–	
Motor circuit-breaker A			6.3...10	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW			1.6/2	1.6/2	
Rated power P _{el} 50/60 Hz L35 L50 kW			1.87/2.34	1.87/2.34	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.47	2.47	
Refrigerant oz (g)			R134a, 105.6 (2995)	R134a, 105.6 (2995)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			883/1177 (1500/2000)	883/1177 (1500/2000)	
Weight lb (kg)			200.6 (91.0)	200.6 (91.0)	
Accessories					
Filter Mats		3 pc(s).	3286.400	3286.400	305
Metal Filters		1 pc(s).	3286.410	3286.410	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	550

Accessories



Metal Filters

See page 306

TopTherm Blue e Wall-Mounted Cooling Units, Slimline



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

- Nano-coated condenser
- Integral electric condensate evaporation
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 5118 BTU (1500 W)

Model No.		Packs of	3366.500	3366.540	Page
Material	Carbon steel		■	■	
Color	RAL 7035		■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			5459 (1.6)	5459 (1.6)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			5459/5459 (1.6/1.6)	5459/5459 (1.6/1.6)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			3924/4095 (1.15/1.2)	3685/4026 (1.08/1.18)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	400, 3~, 50 460, 3~, 60	
Height inches (mm)			63 (1590)	63 (1590)	
Width inches (mm)			17 (435)	17 (435)	
Depth inches (mm)			8 (205)	8 (205)	
Rated current max. A			6.7/6.9	2.7/2.9	
Start-up current A			22/24	8/8.8	
Pre-fuse A			10	–	
Motor circuit-breaker A			–	6.3...10	
Rated power P _a 50/60 Hz L35 L35 kW			0.84/0.97	0.91/1.06	
Rated power P _a 50/60 Hz L35 L50 kW			1.02/1.13	1.08/1.25	
Operating temperature range			+50°F...+131°F	+50°F...+131	
Setting range			+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.9	1.9	
Refrigerant oz (g)			R134a, 24.7 (700)	R134a, 24.7 (700)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			506/536 (860/910)	506/536 (860/910)	
Weight lb (kg)			99.2 (45.0)	101.4 (46.0)	
Accessories					
Filter Mats	3 pc(s).		3286.400	3286.400	305
Metal Filters	1 pc(s).		3286.410	3286.410	306
Door-Operated Switch	1 pc(s).		4127.010	4127.010	550

TopTherm Blue e Wall-Mounted Cooling Units, UL Type 3R



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- Basic controller or e-Comfort controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 55

Supply includes:

- Nano-coated condenser
- Permanent connection via terminal box & connector
- Drilling template
- Assembly components

Approvals:

UL Listed

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 1024 – 1706 BTU (300 – 500 W)

Model No.		Packs of	3302.403	3302.413	3303.503	3303.513	Page
Material	Carbon steel		■	■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			1025 (0.33)	1025 (0.30)	1443 (0.42)	1443 (0.42)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			1025/1093 (0.33/0.37)	1025 (0.30)	1443/1778 (0.42/0.52)	1443 (0.42)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			512/581 (0.15/0.17)	512 (0.15)	957/1082 (0.28/0.32)	957 (0.28)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 60	230, 1~, 50/60	115, 1~, 60	
Height inches (mm)			22 (550)	22 (550)	22 (550)	22 (550)	
Width inches (mm)			11 (280)	11 (280)	11 (280)	11 (280)	
Depth inches (mm)			8.3 (212)	8.3 (212)	11 (278)	11 (278)	
Rated current max. A			1.6/1.7	3.3	2.6/2.6	5.7	
Start-up current A			3.0/3.4	8.0	5.1/6.4	11.5	
Pre-fuse A			10	10	10	10	
Motor circuit-breaker A			–	–	–	–	
Rated power P _a 50/60 Hz L35 L35 kW			0.30/0.31	0.34	0.43/0.45	0.55	
Rated power P _a 50/60 Hz L35 L50 kW			0.34/0.34	0.41	0.50/0.56	0.67	
Operating temperature range			+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Temperature control	Basic controller		■	■	–	–	
	e-Comfort controller		–	–	■	■	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.1	1.1	1.0	1.0	
Refrigerant oz (g)			R134a, 3.5 (100)	R134a, 3.5 (100)	R134a, 6.0 (170)	R134a, 6.0 (170)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			182/203 (310/345)	182/203 (310/345)	203/182 (345/310)	203/182 (345/310)	
Weight lb (kg)			28.5 (13)	28.5 (13)	42 (19)	42 (19)	

Accessories

Condensate Hose	1 pc(s).	3301.610	3301.610	3301.610	3301.610	313
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	550
Metal Filters	1 pc(s).	3286.310	3286.310	3286.310	3286.310	306
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	–	–	315
Master/Slave Cable for SK-BUS System	1 pc(s).	–	–	3124.100	3124.100	318
Interface Board for Units with e-Comfort Controller	1 pc(s).	–	–	3124.200	3124.200	317

TopTherm Blue e Wall-Mounted Cooling Units, UL Type 3R



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 55

Supply includes:

- Nano-coated condenser
- Permanent connection via terminal box & connector
- Drilling template
- Assembly components

Approvals:

UL Listed

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 3412 – 5118 BTU (1000 – 1500 W)

Model No.		Packs of	3304.503	3304.513	3305.503	3305.513	Page
Material	Carbon steel		■	■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			3415 (1.00)	3415 (1.00)	4170 (1.22)	4170 (1.22)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			3415/3620 (1.00/1.06)	3415/3620 (1.00/1.06)	4170/4204 (1.22/1.23)	4170/4204 (1.22/1.23)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			2698/2869 (0.79/0.84)	2698/2869 (0.79/0.84)	2638/2873 (0.77/0.84)	2638/2873 (0.77/0.84)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 60	230, 1~, 50/60	115, 1~, 60	
Height inches (mm)			37 (950)	37 (950)	37 (950)	37 (950)	
Width inches (mm)			16 (400)	16 (400)	16 (400)	16 (400)	
Depth inches (mm)			13 (324)	13 (324)	13 (324)	13 (324)	
Rated current max. A			4.8/4.4	9.5/10.0	5.4/6.0	11.0/12.5	
Start-up current A			12/14	26/28	22/24	42/46	
Pre-fuse A			10	16	16	20	
Motor circuit-breaker A			–	–	–	–	
Rated power P _a 50/60 Hz L35 L35 kW			0.69/0.80	0.72/0.83	1.00/1.08	1.03/1.13	
Rated power P _a 50/60 Hz L35 L50 kW			0.81/0.93	0.84/0.97	1.12/1.21	1.16/1.25	
Operating temperature range			+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Temperature control	Basic controller		–	–	–	–	
	e-Comfort controller		■	■	■	■	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.4	1.4	1.2	1.2	
Refrigerant oz (g)			R134a, 11.5 (325)	R134a, 11.5 (325)	R134a, 17.6 (500)	R134a, 17.6 (500)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			353/530 (600/900)	353/530 (600/900)	353/530 (600/900)	353/530 (600/900)	
Weight lb (kg)			86 (39)	97 (44)	90 (41)	101 (46)	

Accessories

Air Diverter	1 pc(s).	3213.310	3213.310	3213.310	3213.310	312
Condensate Hose	1 pc(s).	3301.610	3301.610	3301.610	3301.610	313
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	550
Metal Filters	1 pc(s).	3286.310	3286.310	3286.310	3286.310	306
Master/Slave Cable for SK-BUS System	1 pc(s).	–	–	3124.100	3124.100	318
Interface Board for Units with e-Comfort Controller	1 pc(s).	–	–	3124.200	3124.200	317

TopTherm Blue e Wall-Mounted Cooling Units, UL Type 3R



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 55

Supply includes:

- Nano-coated condenser
- Permanent connection via terminal box & connector
- Drilling template
- Assembly components

Approvals:

UL Listed

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 6824 – 7506 BTU (2000 – 2200 W)

Model No.		Packs of	3328.503	3328.513	3329.503	3329.513	Page
Material	Carbon steel		■	■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			6125 (1.80)	6125 (1.80)	7725 (2.3)	7725 (2.3)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			6125/6480 (1.80/1.90)	6125/6480 (1.80/1.90)	7724/8076 (2.26/2.36)	7724/8076 (2.26/2.36)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			4490/4808 (1.32/1.41)	4490/4808 (1.32/1.41)	5281/5627 (1.54/1.64)	5281/5627 (1.54/1.64)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	
Height inches (mm)			62 (1580)	62 (1580)	62 (1580)	62 (1580)	
Width inches (mm)			16 (400)	16 (400)	16 (400)	16 (400)	
Depth inches (mm)			14 (359)	14 (359)	12 (295)	12 (295)	
Rated current max. A			7.5/9.1	14.7/17.3	8.6/10.6	17/22	
Start-up current A			22/26	36/39	21/21	44/42	
Pre-fuse A			16	25	16	25	
Motor circuit-breaker A			–	–	–	6.3...10	
Rated power P _a 50/60 Hz L35 L35 kW			0.99/1.09	1.05/1.14	1.31/1.49	1.36/1.54	
Rated power P _a 50/60 Hz L35 L50 kW			1.15/1.29	1.20/1.35	1.54/1.76	1.59/1.83	
Operating temperature range			+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Temperature control	Basic controller		–	–	–	–	
	e-Comfort controller		■	■	■	■	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.6	1.6	1.6	1.6	
Refrigerant oz (g)			R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			324/377 (550/640)	324/377 (550/640)	377/418 (640/710)	377/418 (640/710)	
Weight lb (kg)			145 (66)	161 (73)	152.1 (69.0)	167.6 (76.0)	
Accessories							
Air Diverter		1 pc(s).	3213.310	3213.310	3213.310	3213.310	312
Condensate Hose		1 pc(s).	3301.610	3301.610	3301.610	3301.610	313
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	4127.010	550
Metal Filters		1 pc(s).	3286.310	3286.310	3286.310	3286.310	306
Master/Slave Cable for SK-BUS System		1 pc(s).	–	–	3124.100	3124.100	318
Interface Board for Units with e-Comfort Controller		1 pc(s).	–	–	3124.200	3124.200	317

TopTherm Blue e Wall-Mounted Cooling Units, NEMA 4X



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category NEMA:

- NEMA 4X

Supply includes:

- Nano-coated condenser
- Integral electric condensate evaporation
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Note:

- 3303.XXX without integrated condensate evaporation

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 1706 – 3753 BTU (500 – 1100 W)

Model No.	Packs of	3303.504	3303.514	3304.504	3304.514	3304.544	Page
Material	Stainless steel	■	■	■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)		1877 (0.55)	–	3753 (1.1)	3753 (1.1)	3753 (1.1)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)		1877/2252 (0.55/0.66)	2252 (0.66)	3753/4265 (1.1/1.25)	3753/4265 (1.1/1.25)	3753/4265 (1.1/1.25)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)		1126/1365 (0.33/0.4)	1365 (0.4)	3105/3071 (0.91/0.9)	3105/3071 (0.91/0.9)	3344/3105 (0.98/0.91)	
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 60	230, 1~, 50/60	115, 1~, 60	400, 3~, 50 460, 3~, 60	
Height inches (mm)		24 (620)	24 (620)	40 (1020)	40 (1020)	40 (1020)	
Width inches (mm)		11 (285)	11 (285)	16 (405)	16 (405)	16 (405)	
Depth inches (mm)		12 (298)	12 (298)	14 (358)	14 (358)	14 (358)	
Rated current max. A		2.6/2.6	5.7	3.9/4.3	10.6/11.1	2.2/2.1	
Start-up current A		5.1/6.4	11.5	12/14	26/28	11.5/12.7	
Pre-fuse A		10	10	10	16	–	
Motor circuit-breaker A		–	–	–	–	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW		0.36/0.38	0.47	0.6/0.68	0.6/0.68	0.64/0.82	
Rated power P _{el} 50/60 Hz L35 L50 kW		0.42/0.39	0.5	0.71/0.81	0.71/0.81	0.73/0.93	
Operating temperature range		+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Setting range		+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511		1.4	1.31	1.83	1.83	1.83	
Refrigerant oz (g)		R134a, 6.0 (170)	R134a, 6.0 (170)	R134a, 11.4 (325)	R134a, 11.4 (325)	R134a, 11.4 (325)	
Permissible operating pressure (p. max.) psi (bar)		406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)		156/185 (265/315)	165/203 (280/345)	353/530 (600/900)	353/530 (600/900)	353/530 (600/900)	
Weight lb (kg)		55.1 (25.0)	55.1 (25.0)	108.0 (49.0)	119.0 (54)	110.2 (50.0)	
Accessories							
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	550

TopTherm Blue e Wall-Mounted Cooling Units, NEMA 4X

Power category 5118 BTU (1500 W)

Model No.		Packs of	3305.504	3305.514	3305.544	Page
Material	Stainless steel		■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			5459 (1.6)	5459 (1.6)	5459 (1.6)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			5459/6005 (1.6/1.76)	5459/6005 (1.6/1.76)	5459/5494 (1.6/1.61)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			4265/4675 (1.25/1.37)	4265/4675 (1.25/1.37)	4538/4606 (1.33/1.35)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 60	400, 3~, 50 460, 3~, 60	
Height inches (mm)			40 (1020)	40 (1020)	40 (1020)	
Width inches (mm)			16 (405)	16 (405)	16 (405)	
Depth inches (mm)			14 (358)	14 (358)	14 (358)	
Rated current max. A			5.5/5.8	12.1/13.6	2.6/2.8	
Start-up current A			12/14	42.0/46.0	12.2/11.3	
Pre-fuse A			16	20	–	
Motor circuit-breaker A			–	–	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.79/0.98	0.79/0.98	0.9/1.08	
Rated power P _{el} 50/60 Hz L35 L50 kW			0.9/1.15	0.9/1.15	1.06/1.25	
Operating temperature range			+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Setting range			+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.83	1.83	1.83	
Refrigerant oz (g)			R134a, 21.2 (600)	R134a, 21.2 (600)	R134a, 21.2 (600)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			471/530 (800/900)	471/530 (800/900)	471/530 (800/900)	
Weight lb (kg)			112.4 (51.0)	123.5 (56.0)	114.6 (52.0)	
Accessories						
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550

Power category 6824 – 8530 BTU (2000 – 2500 W)

Model No.		Packs of	3328.504	3328.514	3328.544	3329.504	3329.514	3329.544	Page
Material	Stainless steel		■	■	■	■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			7507 (2.2)	7507 (2.2)	7507 (2.2)	8701 (2.55)	8701 (2.55)	8701 (2.55)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			7507/8053 (2.2/2.36)	7507/8053 (2.2/2.36)	7507/8019 (2.2/2.35)	8701/9076 (2.55/2.66)	8701/9076 (2.55/2.66)	8701/9213 (2.55/2.7)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			5528/5971 (1.62/1.75)	5528/5971 (1.62/1.75)	4948/5767 (1.45/1.69)	6278/6551 (1.84/1.92)	6278/6551 (1.84/1.92)	6483/6654 (1.9/1.95)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	400, 3~, 50 460, 3~, 60	230, 1~, 50/60	115, 1~, 50/60	400, 3~, 50 460, 3~, 60	
Height inches (mm)			65 (1650)	65 (1650)	65 (1650)	65 (1650)	65 (1650)	65 (1650)	
Width inches (mm)			16 (405)	16 (405)	16 (405)	16 (405)	16 (405)	16 (405)	
Depth inches (mm)			15 (388)	15 (388)	15 (388)	15 (388)	15 (388)	15 (388)	
Rated current max. A			6.1/6.6	14.7/17.3	2.8/3.3	8.2/9.3	17.0/22.0	3.7/3.8	
Start-up current A			20/22	36/39	6.8/7.8	20/24	44/42	6.8/7.6	
Pre-fuse A			16	25	–	16	25	–	
Motor circuit-breaker A			–	–	6.3...10	–	–	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.92/1.06	0.92/1.06	0.92/1.15	1.21/1.35	1.21/1.35	1.2/1.4	
Rated power P _{el} 50/60 Hz L35 L50 kW			1.06/1.25	1.06/1.25	1.15/1.4	1.41/1.64	1.41/1.64	1.44/1.75	
Operating temperature range			+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Setting range			+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.4	2.4	2.4	2.11	2.11	2.11	
Refrigerant oz (g)			R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			577/577 (980/980)	577/577 (980/980)	530/530 (900/900)	724/724 (1230/1230)	724/724 (1230/1230)	706/706 (1200/1200)	
Weight lb (kg)			176.4 (80.0)	191.8 (87.0)	178.6 (81.0)	198.4 (90.0)	183.0 (83.0)	185.2 (84.0)	
Accessories									
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	4127.010	550

TopTherm Blue e Roof-Mounted Cooling Units



Climate control accessories Page 305 Therm software package Page 321 Roof plates TS with mounting cut-out Page 319

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

- Nano-coated condenser
- Integral electric condensate evaporation
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Note:

- Due to their low noise level, the roof-mounted cooling units 3273.500 and 3273.515 are also suitable for use in office applications

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 1706 BTU (500 W)

Model No.		Packs of	3382.500	3382.510	3382.600	Page
Material	Stainless steel		–	–	■	
	Carbon steel		■	■	–	
Color	RAL 7035		■	■	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			1877 (0.55)	1877 (0.55)	1877 (0.55)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			1877/2116 (0.55/0.62)	1877/2116 (0.55/0.62)	1877/2116 (0.55/0.62)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			1433/1638 (0.42/0.48)	1433/1638 (0.42/0.48)	1433/1638 (0.42/0.48)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	
Height inches (mm)			16 (417)	16 (417)	16 (417)	
Width inches (mm)			24 (597)	24 (597)	24 (597)	
Depth inches (mm)			15 (380)	15 (380)	15 (380)	
Rated current max. A			2.3/2.6	4.7/5.4	2.3/2.6	
Start-up current A			9.1/8.8	18.2/15.9	9.1/8.8	
Pre-fuse A			10	–	10	
Transformer circuit-breaker A			–	6.3...10	–	
Motor circuit-breaker			–	–	–	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.27/0.31	0.27/0.32	0.27/0.32	
Rated power P _{el} 50/60 Hz L35 L50 kW			0.31/0.37	0.31/0.37	0.31/0.37	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.04	2.04	2.04	
Refrigerant oz (g)			R134a, 10.6 (300)	R134a, 10.6 (300)	R134a, 10.6 (300)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			100/471 (170/800)	100/471 (170/800)	100/471 (170/800)	
Weight lb (kg)			66.1 (30.0)	77.2 (35.0)	66.1 (30.0)	
Accessories						
Filter Mats		3 pc(s).	3286.500	3286.500	3286.500	305
Metal Filters		1 pc(s).	3286.510	3286.510	3286.510	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550
Air Duct System		1 pc(s).	3286.870	3286.870	3286.870	310
Stoppers		2 pc(s).	3286.780	3286.780	3286.780	312

TopTherm Blue e Roof-Mounted Cooling Units

Power category 2559 BTU (750 W)

Model No.		Packs of	3359.500	3359.510	3359.600	Page
Material	Stainless steel		–	–	■	
	Carbon steel		■	■	–	
Color	RAL 7035		■	■	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			2627 (0.77)	2627 (0.77)	2627 (0.77)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			2627/2696 (0.77/0.79)	2627/2696 (0.77/0.79)	2627/2696 (0.77/0.79)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			1774/1604 (0.52/0.47)	1774/1604 (0.52/0.47)	1774/1604 (0.52/0.47)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	
Height inches (mm)			16 (417)	16 (417)	16 (417)	
Width inches (mm)			24 (597)	24 (597)	24 (597)	
Depth inches (mm)			15 (380)	15 (380)	15 (380)	
Rated current max. A			2.8/3.7	5.6/7.4	2.8/3.7	
Start-up current A			9.2/9	18.4/18	9.2/9	
Pre-fuse A			10	–	10	
Transformer circuit-breaker A			–	11...16	–	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.33/0.43	0.33/0.43	0.33/0.43	
Rated power P _{el} 50/60 Hz L35 L50 kW			0.49/0.42	0.49/0.42	0.49/0.42	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.28	2.28	2.28	
Refrigerant oz (g)			R134a, 14.1 (400)	R134a, 14.1 (400)	R134a, 14.1 (400)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			344/471 (585/800)	259/536 (440/910)	344/471 (585/800)	
Weight lb (kg)			70.5 (32.0)	81.6 (37.0)	70.5 (32.0)	
Accessories						
Filter Mats		3 pc(s).	3286.500	3286.500	3286.500	305
Metal Filters		1 pc(s).	3286.510	3286.510	3286.510	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550
Air Duct System		1 pc(s).	3286.870	3286.870	3286.870	310
Stoppers		2 pc(s).	3286.780	3286.780	3286.780	312

Power category 3412 BTU (1000 W)

Model No.		Packs of	3383.500	3383.510	3383.540	3383.600	Page
Material	Stainless steel		–	–	–	■	
	Carbon steel		■	■	■	–	
Color	RAL 7035		■	■	■	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			3412 (1)	3412 (1)	3412 (1)	3412 (1)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			3412/3719 (1/1.09)	3412/3719 (1/1.09)	3412/3719 (1/1.09)	3412/3719 (1/1.09)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			2423/2764 (0.71/0.81)	2423/2764 (0.71/0.81)	2423/2764 (0.71/0.81)	2423/2764 (0.71/0.81)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	400, 2~, 50/60	230, 1~, 50/60	
Height inches (mm)			16 (417)	16 (417)	16 (417)	16 (417)	
Width inches (mm)			24 (597)	24 (597)	24 (597)	24 (597)	
Depth inches (mm)			19 (475)	19 (475)	19 (475)	19 (475)	
Rated current max. A			2.9/3.9	6.2/8.4	1.7/2.2	2.9/3.9	
Start-up current A			8.8/10	14.4/15.8	4.6/5.7	8.8/10.1	
Pre-fuse A			10	–	–	10	
Transformer circuit-breaker A			–	11...16	6.3...10	–	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.39/0.48	0.39/0.45	0.39/0.45	0.39/0.46	
Rated power P _{el} 50/60 Hz L35 L50 kW			0.45/0.57	0.43/0.54	0.42/0.54	0.43/0.55	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.58	2.58	2.58	2.58	
Refrigerant oz (g)			R134a, 22.9 (650)	R134a, 22.9 (650)	R134a, 22.9 (650)	R134a, 22.9 (650)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			289/942 (491/1600)	289/942 (491/1600)	289/942 (491/1600)	289/942 (491/1600)	
Weight lb (kg)			88.2 (40.0)	101.4 (46.0)	101.4 (46.0)	88.2 (40.0)	
Accessories							
Filter Mats		3 pc(s).	3286.500	3286.500	3286.500	3286.500	305
Metal Filters		1 pc(s).	3286.510	3286.510	3286.510	3286.510	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	4127.010	550
Air Duct System		1 pc(s).	3286.870	3286.870	3286.870	3286.870	310
Stoppers		2 pc(s).	3286.880	3286.880	3286.880	3286.880	312

TopTherm Blue e Roof-Mounted Cooling Units

Power category 3753 – 5118 BTU (1100 – 1500 W)

Model No.		Packs of	3273.500	3273.515	3384.500	3384.510	3384.540	3384.600	Page
Material	Stainless steel		–	–	–	–	–	■	
	Carbon steel		■	■	■	■	■	–	
Color	RAL 7035		■	■	■	■	■	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			3753 (1.1)	3753 (1.1)	5118 (1.5)	5118 (1.5)	5118 (1.5)	5118 (1.5)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			3753/4095 (1.1/1.2)	3753/4095 (1.1/1.2)	5118/5630 (1.5/1.65)	5118/5630 (1.5/1.65)	5118/5630 (1.5/1.65)	5118/5630 (1.5/1.65)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			2900/2969 (0.85/0.87)	2900/2969 (0.85/0.87)	3924/4436 (1.15/1.3)	3924/4436 (1.15/1.3)	3924/4436 (1.15/1.3)	3924/4436 (1.15/1.3)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	110 (DC), 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	400, 2~, 50/60	230, 1~, 50/60	
Height inches (mm)			16 (417)	16 (417)	16 (417)	16 (417)	16 (417)	16 (417)	
Width inches (mm)			24 (597)	24 (597)	24 (597)	24 (597)	24 (597)	24 (597)	
Depth inches (mm)			19 (475)	19 (475)	19 (475)	19 (475)	19 (475)	19 (475)	
Rated current max. A			5.2/5.4	11/11.5	3.9/4.8	8.5/15.3	2.4/2.8	3.9/4.8	
Start-up current A			15.5/16.5	32/35	14.8/16	27.4/27.2	8.7/9	14.8/16	
Pre-fuse A			10	–	10	–	–	10	
Transformer circuit-breaker A			–	11...16	–	14...20	6.3...10	–	
Rated power P _{el} 50/60 Hz L35 L35 kW			0.52/0.54	0.52/0.54	0.67/0.77	0.67/0.76	0.67/0.76	0.67/0.77	
Rated power P _{el} 50/60 Hz L35 L50 kW			0.59/0.73	0.59/0.74	0.79/0.91	0.8/0.93	0.79/0.93	0.79/0.91	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.16	2.16	2.24	2.24	2.24	2.24	
Refrigerant oz (g)			R134a, 24.7 (700)	R134a, 24.7 (700)	R134a, 24.7 (700)	R134a, 24.7 (700)	R134a, 24.7 (700)	R134a, 24.7 (700)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			259/1036 (440/1760)	259/1036 (440/1760)	289/942 (491/1600)	289/942 (491/1600)	289/942 (491/1600)	289/942 (491/1600)	
Weight lb (kg)			92.6 (42.0)	103.6 (47.0)	90.4 (41.0)	103.6 (47.0)	103.6 (47.0)	90.4 (41.0)	
Accessories									
Filter Mats		3 pc(s).	3286.500	3286.500	3286.500	3286.500	3286.500	3286.500	305
Metal Filters		1 pc(s).	3286.510	3286.510	3286.510	3286.510	3286.510	3286.510	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	4127.010	550
Air Duct System		1 pc(s).	3286.870	3286.870	3286.870	3286.870	3286.870	3286.870	310
Stoppers		2 pc(s).	3286.880	3286.880	3286.880	3286.880	3286.880	3286.880	312

Accessories

Spare Filter Mats

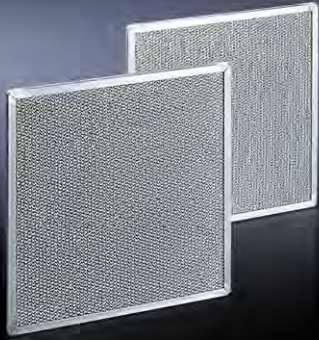
See page 307

TopTherm Blue e Roof-Mounted Cooling Units

Power category 6824 BTU (2000 W)

Model No.		Packs of	3385.500	3385.510	3385.540	3385.600	3385.640	Page
Material	Stainless steel		–	–	–	■	■	
	Carbon steel		■	■	■	–	–	
Color	RAL 7035		■	■	■	–	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			6824 (2)	6824 (2)	6824 (2)	6824 (2)	6824 (2)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			6824/7302 (2/2.14)	6824/7302 (2/2.14)	6824/7302 (2/2.14)	6824/7302 (2/2.14)	6824/7302 (2/2.14)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			4811/5152 (1.41/1.51)	4811/5152 (1.41/1.51)	4811/5152 (1.41/1.51)	4811/5152 (1.41/1.51)	4811/5152 (1.41/1.51)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	115, 1~, 50/60	400, 2~, 50/60	230, 1~, 50/60	400, 2~, 50/60	
Height inches (mm)			16 (417)	16 (417)	16 (417)	16 (417)	16 (417)	
Width inches (mm)			24 (597)	24 (597)	24 (597)	24 (597)	24 (597)	
Depth inches (mm)			19 (475)	19 (475)	19 (475)	19 (475)	19 (475)	
Rated current max. A			5.9/6.3	14.2/15.4	3.7/4.2	6.3/7.2	3.7/4.2	
Start-up current A			19.7/17.9	36/32	36/32	19.7/17.9	36/32	
Pre-fuse A			10	10	–	10	–	
Transformer circuit-breaker A			–	–	6.3...10	–	6.3...10	
Rated power P _{ei} 50/60 Hz L35 L35 kW			0.96/1.14	0.96/1.14	0.96/1.17	0.96/1.17	0.96/1.17	
Rated power P _{ei} 50/60 Hz L35 L50 kW			1.07/1.23	1.07/1.24	1.07/1.24	1.07/1.23	1.07/1.24	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.09	2.09	2.09	2.09	2.09	
Refrigerant oz (g)			R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			277/1036 (470/1760)	277/1036 (470/1760)	277/1036 (470/1760)	277/1036 (470/1760)	277/1036 (470/1760)	
Weight lb (kg)			92.6 (42.0)	105.8 (48.0)	105.8 (48.0)	92.6 (42.0)	105.8 (48.0)	
Accessories								
Filter Mats		3 pc(s).	3286.500	3286.500	3286.500	3286.500	3286.500	305
Metal Filters		1 pc(s).	3286.510	3286.510	3286.510	3286.510	3286.510	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	550
Air Duct System		1 pc(s).	3286.870	3286.870	3286.870	3286.870	3286.870	310
Stoppers		2 pc(s).	3286.880	3286.880	3286.880	3286.880	3286.880	312

Accessories



Metal Filters

See page 306

TopTherm Blue e Roof-Mounted Cooling Units

Power category 10236 – 13649 BTU (3000 – 4000 W)

Model No.		Packs of	3386.540	3386.640	3387.540	3387.640	Page
Material	Stainless steel		–	■	–	■	
	Carbon steel		■	–	■	–	
Color	RAL 7035		■	–	■	–	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)			10236 (3)	10236 (3)	12966 (3.8)	12966 (3.8)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			10236/11260 (3/3.3)	10236/11260 (3/3.3)	12966/13649 (3.8/4)	12966/13649 (3.8/4)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			7507/8530 (2.2/2.5)	7507/8530 (2.2/2.5)	10407/11260 (3.05/3.3)	10407/11260 (3.05/3.3)	
Rated operating voltage V, ~, Hz			400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	
Height inches (mm)			19 (470)	19 (470)	19 (470)	19 (470)	
Width inches (mm)			31 (796)	31 (796)	31 (796)	31 (796)	
Depth inches (mm)			23 (580)	23 (580)	23 (580)	23 (580)	
Rated current max. A			3.4/3.4	3.4/3.4	3.9/3.9	3.9/3.9	
Start-up current A			8/9	8/9	17/19	17/19	
Motor circuit-breaker A			6.3...10	6.3...10	6.3...10	6.3...10	
Rated power P _{el} 50/60 Hz L35 L35 kW			1.17/1.48	1.17/1.48	1.59/2.03	1.59/2.03	
Rated power P _{el} 50/60 Hz L35 L50 kW			1.42/1.76	1.42/1.76	1.84/2.31	1.84/2.31	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			2.56	2.56	2.38	2.38	
Refrigerant oz (g)			R134a, 56.4 (1600)	R134a, 56.4 (1600)	R134a, 56.4 (1600)	R134a, 56.4 (1600)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			753/2031 (1280/3450)	753/2031 (1280/3450)	836/2278 (1420/3870)	836/2278 (1420/3870)	
Weight lb (kg)			154.3 (70.0)	154.3 (70.0)	169.8 (77.0)	169.8 (77.0)	
Accessories							
Filter Mats		3 pc(s).	3286.600	3286.600	3286.600	3286.600	305
Metal Filters		1 pc(s).	3286.610	3286.610	3286.610	3286.610	306
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	4127.010	550
Air Duct System		1 pc(s).	3286.970	3286.970	3286.970	3286.970	310
Stoppers		2 pc(s).	3286.980	3286.980	3286.980	3286.980	312



Modular Climate Control Concept – Blue e Cooling Module



Climate control accessories Page 305 TS 8 Enclosures Page 64 Therm software package Page 321

All cooling modules can be combined individually with every profile door.

Temperature control:

- e-Comfort controller (factory setting +35°C)

Material:

- Carbon steel

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- External circuit IP 34
- Internal circuit IP 54

Supply includes:

- Cooling module prepared for installation in section door
- Nano-coated condenser
- Integral electric condensate evaporation

Note:

- A base/plinth with a height of 100 or 200 mm is required for efficient operation

Approvals:

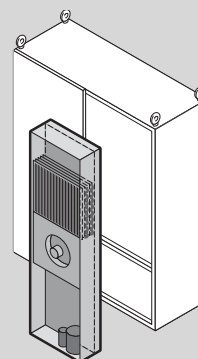
Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet



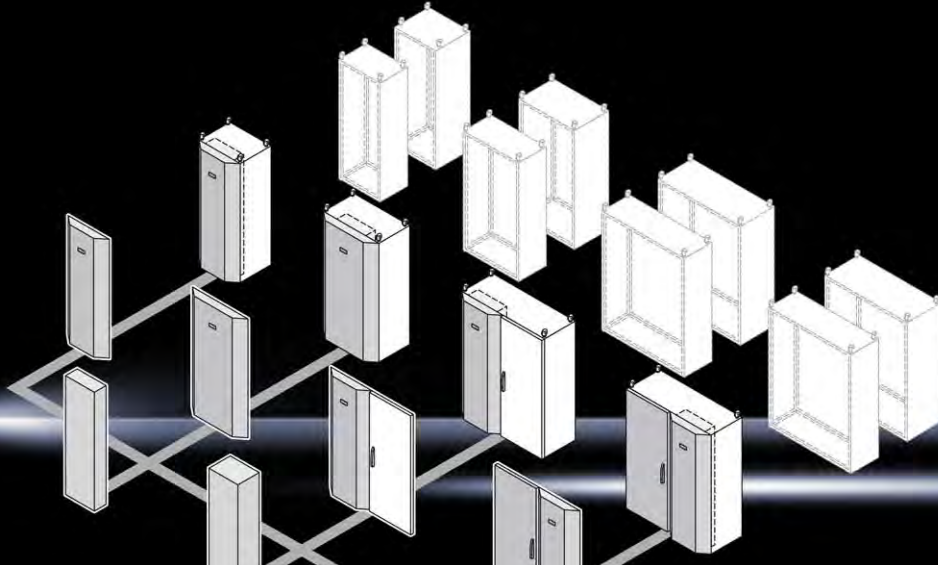
Power category 5118 – 8530 BTU (1500 – 2500 W)

Model No.		Packs of	3307.700	3307.740	3310.700	3310.740	Page
Material	Carbon steel		■	■	■	■	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	400, 3~, 50 460, 3~, 60	230, 1~, 50/60	400, 3~, 50 460, 3~, 60	
Total cooling output 50/60 Hz L35 L35 BTU (kW)			5289/5289 (1.55/1.55)	5289/5289 (1.55/1.55)	8530/8599 (2.5/2.52)	8530/8530 (2.5/2.5)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)			2900/3071 (0.85/0.9)	3173/3242 (0.93/0.95)	5528/6005 (1.62/1.76)	6005/6142 (1.76/1.8)	
Rated current max. A			6/6.1	2.5/2.7	7.6/9.4	3.5/3.7	
Start-up current A			22/24	8.5/9.2	22/24	13/14	
Pre-fuse A			16	–	16	–	
Motor circuit-breaker A			–	6.3...10	–	6.3...10	
Rated power P _a 50/60 Hz L35 L35 kW			0.85/1.05	0.79/1	1.31/1.52	1.13/1.48	
Rated power P _a 50/60 Hz L35 L50 kW			1/1.15	0.9/1.1	1.48/1.85	1.4/1.75	
Operating temperature range			+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	+50°F...+131°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511			1.8	1.9	1.9	2.2	
Refrigerant oz (g)			R134a, 24.7 (700)	R134a, 24.7 (700)	R134a, 41.4 (1175)	R134a, 41.4 (1175)	
Permissible operating pressure (p. max.) psi (bar)			406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)			353/647 (600/1100)	353/647 (600/1100)	647/647 (1100/1100)	647/647 (1100/1100)	
Weight lb (kg)			149.9 (68.0)	149.9 (68.0)	160.9 (73.0)	158.7 (72.0)	

Also required

Modular Climate Control Concept - Section Doors		see page	see page	see page	see page	285
Accessories						
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	550
SK BUS System	1 pc(s).	3124.100	3124.100	3124.100	3124.100	318
RiDiag II	1 pc(s).	3159.100	3159.100	3159.100	3159.100	321
Interface Board	1 pc(s).	3124.200	3124.200	3124.200	3124.200	317

Modular Climate Control Concept – Section Doors



Climate control accessories Page 305 TS 8 Enclosures Page 64 Therm software package Page 321

Material:

- Carbon steel

Color:

- RAL 7035

Supply includes:

- Section door without preassembled cooling module
- TS 8 hinges, door opening angle approx. 110°

Note:

The following information applies to 1200 mm wide TS 8 enclosures

- With the unit positioned on the right, one pack consists of a section door for installing in the right side of the enclosure plus a special lockable door for the left side.
- With the unit positioned on the left, one pack consists of a section door for installing in the left side of the enclosure. The existing lockable door on the right side may be used.

Approvals:

Available on the Internet

Technical details:

Available on the Internet

for installing cooling modules

Model No.	Packs of	3300.040	3300.050	3300.060	3300.070	3300.080	3300.090	3300.110	3300.120	Page
Dimensions to fit enclosure type		TS 8	TS 8	TS 8	TS 8	TS 8	TS 8	TS 8	TS 8	
with height (H) inches (mm)		71 (1800)	79 (2000)	71 (1800)	79 (2000)	71 (1800)	79 (2000)	71 (1800)	79 (2000)	
with width (B) inches (mm)		24 (600)	24 (600)	32 (800)	32 (800)	47 (1200)	47 (1200)	47 (1200)	47 (1200)	
Device positioned on the left		–	–	–	–	■	■	–	–	
Device positioned on the right		–	–	–	–	–	–	■	■	
Also required										
Modular Climate Control Concept Blue e Cooling Module		see page	see page	see page	see page	see page	see page	see page	see page	284
Accessories										
Metal Filters	1 pc(s).	3284.210	3284.210	3284.210	3284.210	3284.210	3284.210	3284.210	3284.210	306

Rittal – The System.

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Liquid Cooling

Air/Water Heat Exchangers

Wall-Mounted	1024 – 1706 BTU	288
Wall-Mounted	2047 – 3412 BTU	289
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Liquid Cooling Package

LCP Rack Industry	34121 BTU	296
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Chiller

TopTherm	3412 – 5118 BTU	297
TopTherm	10236 – 20473 BTU	298
TopTherm, Wall-Mounted	3412 – 8530 BTU	299
TopTherm	27297 – 54594 BTU	300
TopTherm	68243 – 136486 BTU	301



Air/Water Heat Exchangers



Climate control accessories Page 305 Chillers Page 297 Therm software package Page 321

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 55

Cooling medium:

- Water (see Internet for specifications)

Supply includes:

- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Sealing and assembly components

Note:

- Integral non-return valve for version with e-Comfort controller

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 1024 – 1706 BTU (300 – 500 W), wall-mounted

Model No.		Packs of	3212.024	3212.115	3212.230	3363.100	3363.500	Page
Water-carrying parts	Copper/brass (Cu/CuZn)		■	■	■	■	■	
Temperature control	Basic controller (factory setting +35°C)		–	–	–	■	–	
	e-Comfort controller (factory setting +35°C)		–	–	–	–	■	
Total cooling output L35 W10, 52.8 gal/h (200 l/h) BTU (kW)			1024 (0.3)	1024 (0.3)	1024 (0.3)	–	–	
Total cooling output L35 W10, 105 gal/h (400 l/h) BTU (kW)			–	–	–	1706 (0.5)	1706 (0.5)	
Rated operating voltage V, ~, Hz			24 (DC)	115, 1~, 50/60	230, 1~, 50/60	230, 1~, 50/60	230, 1~, 50/60	
Height inches (mm)			12 (300)	12 (300)	12 (300)	22 (550)	22 (550)	
Width inches (mm)			6 (150)	6 (150)	6 (150)	11 (280)	11 (280)	
Depth inches (mm)			3 (85)	3 (85)	3 (85)	5 (120)	5 (120)	
Rated power P _{el} 50/60 Hz BTU (W)			89 (26)	89/102 (26/30)	78/92 (23/27)	126/130 (37/38)	126/130 (37/38)	
Rated current max. A			1.2	0.23/0.24	0.11/0.13	0.18/0.18	0.18/0.18	
Pre-fuse A			2	2	2	4	4	
Operating temperature range			+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	
Setting range			–	–	–	+68°F...+131°F	+68°F...+131°F	
Water inlet temperature			+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	
Water connection	½" connector sleeve		–	–	–	■	■	
	G ¾" external thread		–	–	–	■	■	
	¾" connector sleeve		■	■	■	–	–	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			147 (250)	153/177 (260/300)	165/182 (280/310)	171/203 (290/345)	171/203 (290/345)	
Weight lb (kg)			7.1 (3.2)	7.1 (3.2)	7.1 (3.2)	17.6 (8.0)	17.6 (8.0)	

Accessories

Condensate Hose	1 pc(s).	3301.610	3301.610	3301.610	3301.612	3301.612	313
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	550
Toroidal Transformer, Primary Connection 115 V/400 V	1 pc(s).	–	–	3201.960	see page	see page	318
Fitting G ¾"	2 pc(s).	–	–	–	3201.900	3201.900	314
Flow Regulator Valve		see page	see page	see page	see page	see page	314
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	–	–	315
SK BUS System	1 pc(s).	–	–	–	–	3124.100	318
Interface Board	1 pc(s).	–	–	–	–	3124.200	317

Air/Water Heat Exchangers

Power category 2047 – 3412 BTU (600 – 1000 W), wall-mounted

Model No.		Packs of	3214.100	3364.100	3364.500	Page
Water-carrying parts	Stainless steel (1.4571)		–	–	–	
	Copper/brass (Cu/CuZn)		■	■	■	
Temperature control	Basic controller (factory setting +35°C)		–	■	–	
	e-Comfort controller (factory setting +35°C)		–	–	■	
	Thermostat-controlled solenoid valve		■	–	–	
Total cooling output L35 W10, 52.8 gal/h (200 l/h) BTU (kW)			2047 (0.6)	–	–	
Total cooling output L35 W10, 105 gal/h (400 l/h) BTU (kW)			2388 (0.7)	3412 (1)	3412 (1)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	230, 1~, 50/60	230, 1~, 50/60	
Height inches (mm)			20 (500)	22 (550)	22 (550)	
Width inches (mm)			8 (200)	11 (280)	11 (280)	
Depth inches (mm)			4 (100)	5 (120)	5 (120)	
Rated power P _{el} 50/60 Hz BTU (W)			123/126 (36/37)	123/130 (37/38)	123/130 (37/38)	
Rated current max. A			0.17/0.18	0.18/0.18	0.18/0.18	
Pre-fuse A			2	4	4	
Operating temperature range			+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Water inlet temperature			+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	
Water connection	½" connector sleeve		■	■	■	
	G ¾" external thread		–	■	■	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			165/182 (280/310)	171/203 (290/345)	171/203 (290/345)	
Weight lb (kg)			15.4 (7.0)	19.8 (9.0)	19.8 (9.0)	
Accessories						
Condensate Hose		1 pc(s).	3301.612	3301.612	3301.612	313
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550
Toroidal Transformer, Primary Connection 115 V/400 V			see page	see page	see page	318
Fitting G ¾"		2 pc(s).	–	3201.900	3201.900	314
Flow Regulator Valve			see page	see page	see page	314
Digital Enclosure Internal Temperature Display and Thermostat			–	–	–	
SK BUS System		1 pc(s).	–	–	3124.100	318
Interface Board		1 pc(s).	–	–	3124.200	317

Accessories



Therm Software

See page 321

Air/Water Heat Exchangers

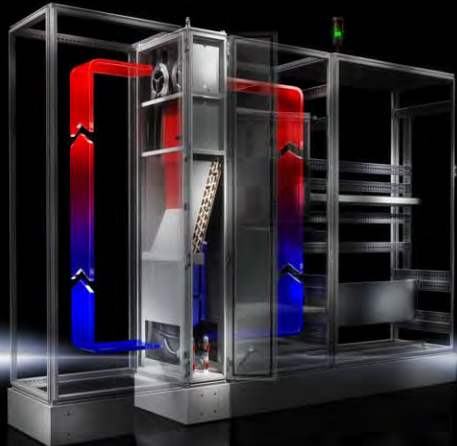
Power category 4265 – 6824 BTU (1250 – 2000 W), wall-mounted

Model No.		Packs of	3215.100	3373.100	3373.500	Page
Water-carrying parts	Stainless steel (1.4571)		–	–	–	
	Copper/brass (Cu/CuZn)		■	■	■	
Temperature control	Basic controller (factory setting +35°C)		–	■	–	
	e-Comfort controller (factory setting +35°C)		–	–	■	
	Thermostat-controlled solenoid valve		■	–	–	
Total cooling output L35 W10, 52.8 gal/h (200 l/h) BTU (kW)			4265 (1.25)	–	–	
Total cooling output L35 W10, 105 gal/h (400 l/h) BTU (kW)			4436 (1.3)	6824 (2)	6824 (2)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	230, 1~, 50/60	230, 1~, 50/60	
Height inches (mm)			37 (950)	37 (950)	37 (950)	
Width inches (mm)			8 (200)	16 (400)	16 (400)	
Depth inches (mm)			4 (100)	6 (145)	6 (145)	
Rated power P _a 50/60 Hz BTU (W)			283/290 (83/85)	375/478 (110/140)	375/478 (110/140)	
Rated current max. A			0.38/0.4	0.49/0.61	0.49/0.61	
Pre-fuse A			4	4	4	
Operating temperature range			+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Water inlet temperature			+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	
Water connection	½" connector sleeve		■	■	■	
	G ¾" external thread		–	■	■	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			400/433 (680/735)	518/559 (880/950)	518/559 (880/950)	
Weight lb (kg)			28.7 (13.0)	44.1 (20.0)	44.1 (20.0)	

Accessories

Condensate Hose	1 pc(s).	3301.612	3301.612	3301.612	313
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	550
Toroidal Transformer, Primary Connection 115 V/400 V		see page	–	–	318
Fitting G ¾"	2 pc(s).	–	3201.900	3201.900	314
Flow Regulator Valve		see page	see page	see page	314
Digital Enclosure Internal Temperature Display and Thermostat		–	–	–	
SK BUS System	1 pc(s).	–	–	3124.100	318
Interface Board	1 pc(s).	–	–	3124.200	317

New



LCP – Liquid Cooling Package

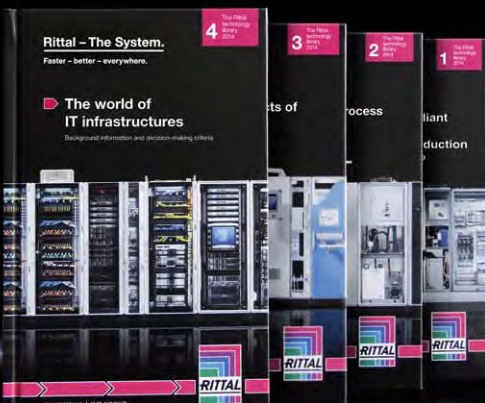
See page 296

Air/Water Heat Exchangers

Power category 9554 – 10236 BTU (2800 – 3000 W), wall-mounted

Model No.		Packs of	3374.504	3374.100	3374.110	Page
Water-carrying parts	Stainless steel (1.4571)		■	–	–	
	Copper/brass (Cu/CuZn)		–	■	■	
Temperature control	Basic controller (factory setting +35°C)		–	■	■	
	e-Comfort controller (factory setting +35°C)		■	–	–	
	Thermostat-controlled solenoid valve		–	–	–	
Total cooling output L35 W10, 105 gal/h (400 l/h) BTU (kW)			9554 (2.8)	10236 (3)	10236 (3)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	
Height inches (mm)			37 (950)	37 (950)	37 (950)	
Width inches (mm)			16 (400)	16 (400)	16 (400)	
Depth inches (mm)			6 (145)	6 (145)	6 (145)	
Rated power P _a 50/60 Hz BTU (W)			577/792 (169/232)	577/792 (169/232)	577/792 (169/232)	
Rated current max. A			0.76/1.01	0.76/1.01	0.76/1.01	
Pre-fuse A			4	4	4	
Operating temperature range			+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Water inlet temperature			+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	
Water connection	½" connector sleeve		■	■	■	
	G ¾" external thread		■	■	■	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			677/765 (1150/1300)	677/765 (1150/1300)	677/765 (1150/1300)	
Weight lb (kg)			50.7 (23.0)	50.7 (23.0)	50.7 (23.0)	
Accessories						
Condensate Hose		1 pc(s).	3301.612	3301.612	3301.612	313
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550
Toroidal Transformer, Primary Connection 115 V/400 V			–	–	–	318
Fitting G ¾"		2 pc(s).	3201.900	3201.900	3201.900	314
Flow Regulator Valve			see page	see page	see page	314
Digital Enclosure Internal Temperature Display and Thermostat			–	–	–	
SK BUS System		1 pc(s).	3124.100	–	–	318
Interface Board		1 pc(s).	3124.200	–	–	317

Technology Library



Expert knowledge from the experts

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Air/Water Heat Exchangers

Power category 10236 – 17061 BTU (3000 – 5000 W), wall-mounted

Model No.		Packs of	3374.500	3375.100	3375.500	3375.510	Page
Water-carrying parts	Stainless steel (1.4571)		–	–	–	–	
	Copper/brass (Cu/CuZn)		■	■	■	■	
Temperature control	Basic controller (factory setting +35°C)		–	■	–	–	
	e-Comfort controller (factory setting +35°C)		■	–	■	■	
Total cooling output L35 W10, 52.8 gal/h (200 l/h) BTU (kW)			–	–	–	–	
Total cooling output L35 W10, 105 gal/h (400 l/h) BTU (kW)			10236 (3)	17061 (5)	17061 (5)	17061 (5)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	230, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	
Height inches (mm)			37 (950)	55 (1400)	55 (1400)	55 (1400)	
Width inches (mm)			16 (400)	18 (450)	18 (450)	18 (450)	
Depth inches (mm)			6 (145)	9 (220)	9 (220)	9 (220)	
Rated power P _a 50/60 Hz BTU (W)			577/ 792 (169/232)	607/792 (178/232)	607/792 (178/232)	607/792 (178/232)	
Rated current max. A			0.76/1.01	0.78/1.01	0.78/1.01	0.78/1.01	
Pre-fuse A			4	4	4	4	
Operating temperature range			+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Water inlet temperature			+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	
Water connection	1/2" connector sleeve		■	■	■	■	
	G 3/8" external thread		■	■	■	■	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			677/765 (1150/1300)	877/977 (1490/1660)	877/977 (1490/1660)	877/977 (1490/1660)	
Weight lb (kg)			50.7 (23.0)	86.0 (39.0)	86.0 (39.0)	86.0 (39.0)	

Accessories

Condensate Hose	1 pc(s).	3301.612	3301.612	3301.612	3301.612	313
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	550
Toroidal Transformer, Primary Connection 115 V/400 V		–	–	–	–	
Fitting G 3/8"	2 pc(s).	3201.900	3201.900	3201.900	3201.900	314
Flow Regulator Valve		see page	see page	see page	see page	314
Digital Enclosure Internal Temperature Display and Thermostat		–	–	–	–	
SK BUS System	1 pc(s).	3124.100	–	3124.100	3124.100	318
Interface Board	1 pc(s).	3124.200	–	3124.200	3124.200	317

Accessories



TopTherm Chillers

See page 297



Climate control accessories Page 305 Chillers Page 297 Therm software package Page 321

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 55

Cooling medium:

- Water (see Internet for specifications)

Supply includes:

- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Sealing and assembly components

Note:

- Use 3-pole miniature circuit-breaker

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 23885 BTU (7000 W), wall-mounted

Model No.		Packs of	3216.480	Page
Water-carrying parts	Copper/brass (Cu/CuZn)		■	
Temperature control	Thermostat-controlled solenoid valve		■	
Total cooling output L35 W10, 132 gal/h (500 l/h) BTU (kW)			23885 (7)	
Total cooling output L35 W20, 132 gal/h (500 l/h) BTU (kW)			15355 (4.5)	
Rated operating voltage V, ~, Hz			400, 3~, 50 460, 3~, 60	
Height inches (mm)			71 (1800)	
Width inches (mm)			18 (450)	
Depth inches (mm)			12 (300)	
Rated current max. A			1.4/1.6	
Pre-fuse A			4	
Operating temperature range			+34°F...+158°F	
Setting range			+68°F...+131°F	
Water inlet temperature			+34°F...+86°F	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			2137/2749 (3630/4670)	
Weight lb (kg)			174.2 (79.0)	
Accessories				
Door-Operated Switch	1 pc(s).		4127.010	550
Condensate Hose	1 pc(s).		3301.612	313
Flow Regulator Valve			see page	314

Air/Water Heat Exchangers



Climate control accessories Page 305 Chillers Page 297 Roof plates TS with mounting cut-out Page 319 Air routing Page 310

Color:

- RAL 7035

Protection category IP to

IEC 60 529:

- IP 55

Cooling medium:

- Water (see Internet for specifications)

Supply includes:

- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Sealing mat
- Assembly components

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 8530 BTU (2500 W), roof-mounted

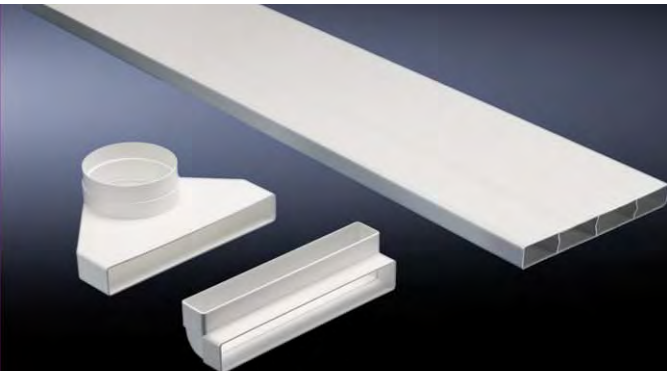
Model No.		Packs of	3209.100	3209.500	Page
Water-carrying parts	Stainless steel (1.4571)		–	–	
	Copper/brass (Cu/CuZn)		■	■	
Temperature control	Basic controller (factory setting +35°C)		■	–	
	e-Comfort controller (factory setting +35°C)		–	■	
Total cooling output L35 W10, 105 gal/h (400 l/h)			8530 (2.5)	8530 (2.5)	
BTU (kW)					
Rated operating voltage V, ~, Hz			230, 1~, 50/60	230, 1~, 50/60	
Height inches (mm)			16 (417)	16 (417)	
Width inches (mm)			24 (597)	24 (597)	
Depth inches (mm)			19 (475)	19 (475)	
Rated power P _{at} 50/60 Hz BTU (W)			324/375 (95/110)	324/375 (95/110)	
Rated current max. A			0.4/0.48	0.4/0.48	
Pre-fuse A			4	4	
Operating temperature range			+34°F...+158°F	+34°F...+158°F	
Setting range			+68°F...+131°F	+68°F...+131°F	
Water inlet temperature			+34°F...+86°F	+34°F...+86°F	
Water connection	½" connector sleeve		■	■	
	G ¾" external thread		■	■	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			544/606 (925/1030)	544/606 (925/1030)	
Weight lb (kg)			51.8 (23.5)	51.8 (23.5)	
Accessories					
Door-Operated Switch		1 pc(s).	4127.010	4127.010	550
SK BUS System		1 pc(s).	–	3124.100	318
Interface Board		1 pc(s).	–	3124.200	317
Air Duct System		1 pc(s).	3286.870	3286.870	310
Stoppers		2 pc(s).	3286.880	3286.880	312
Condensate Hose		1 pc(s).	3301.612	3301.612	313
Flow Regulator Valve			see page	see page	314

Air/Water Heat Exchangers

Power category 13649 BTU (4000 W), roof-mounted

Model No.		Packs of	3210.100	3210.500	3210.510	Page
Water-carrying parts	Stainless steel (1.4571)		—	—	—	
	Copper/brass (Cu/CuZn)		■	■	■	
Temperature control	Basic controller (factory setting +35°C)		■	—	—	
	e-Comfort controller (factory setting +35°C)		—	■	■	
Total cooling output L35 W10, 105 gal/h (400 l/h) BTU (kW)			13649 (4)	13649 (4)	13649 (4)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	
Height inches (mm)			16 (417)	16 (417)	16 (417)	
Width inches (mm)			24 (597)	24 (597)	24 (597)	
Depth inches (mm)			19 (475)	19 (475)	19 (475)	
Rated power P _{el} 50/60 Hz BTU (W)			341/409 (100/120)	341/409 (100/120)	341/409 (100/120)	
Rated current max. A			0.44/0.5	0.44/0.5	0.44/0.5	
Pre-fuse A			4	4	4	
Operating temperature range			+34°F...+158°F	+34°F...+158°F	+34°F...+158°F	
Setting range			+68°F...+131°F	+68°F...+131°F	+68°F...+131°F	
Water inlet temperature			+34°F...+86°F	+34°F...+86°F	+34°F...+86°F	
Water connection	½" connector sleeve		■	■	■	
	G ¾" external thread		■	■	■	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	15 - 145 (1 - 10)	15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			480/544 (815/925)	480/544 (815/925)	480/544 (815/925)	
Weight lb (kg)			56.2 (25.5)	56.2 (25.5)	65.0 (29.5)	
Accessories						
Door-Operated Switch		1 pc(s).	4127.010	4127.010	4127.010	550
SK BUS System		1 pc(s).	—	3124.100	3124.100	318
Interface Board		1 pc(s).	—	3124.200	3124.200	317
Air Duct System		1 pc(s).	3286.870	3286.870	3286.870	310
Stoppers		2 pc(s).	3286.880	3286.880	3286.880	312
Condensate Hose		1 pc(s).	3301.612	3301.612	3301.612	313
Flow Regulator Valve			see page	see page	see page	314

Accessories



Air Duct System

See page 310

Liquid Cooling Package



Climate control accessories Page 305 Chillers Page 297 Therm software package Page 321

Air/water heat exchangers in TS 8 baying system, to fit 2000 mm high and 600 or 800 mm deep TS 8 enclosures. Air outlet either with 5 kW on each side or 10 kW on one side only. Flexible water connection options on the top or bottom of the unit.

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 54

Cooling medium:

- Water (see Internet for specifications)

Supply includes:

- Wired ready for connection (plug-in terminal strip)
- Front door

Note:

- Bayable by screw-fastening at the sides

Performance diagrams:

Available on the Internet

Photo shows a configuration example with equipment not included in the scope of supply

Power category 34121 BTU (10 kW), LCP Rack Industry

Model No.		Packs of	3378.200	3378.280	Page
Water-carrying parts	Copper/brass (Cu/CuZn)		■	■	
Total cooling output L35 W10, 528 gal/h (2000 l/h)			34121 (10)	34121 (10)	
BTU (kW)					
Rated power P_{a1} 50/60 Hz BTU (W)			2402/2784 (704/816)	2402/2784 (704/816)	
Rated operating voltage V, ~, Hz			230, 1~, 50/60	230, 1~, 50/60	
Height inches (mm)			79 (2000)	79 (2000)	
Width inches (mm)			12 (300)	12 (300)	
Depth inches (mm)			24 (600)	32 (800)	
Rated current max. A			3/3.5	3/3.5	
Pre-fuse A			4	4	
Operating temperature range			+41°F...+158°F	+41°F...+158°F	
Setting range			+68°F...+131°F	+68°F...+131°F	
Water inlet temperature			+45°F...+86°F	+45°F...+86°F	
Water connection	¾" internal thread		■	■	
	¾" connector sleeve		■	■	
Permissible operating pressure (p. max.) psi (bar)			15 - 145 (1 - 10)	15 - 145 (1 - 10)	
Air throughput of fans (unimpeded air flow) cfm (m³/h)			1248/1154 (2120/1960)	1248/1154 (2120/1960)	
Weight lb (kg)			266.8 (121.0)	286.6 (130.0)	
Accessories					
Base/plinth components, front and rear, 4" (100 mm)		1 set(s)	8601.915	8601.915	427
Base/plinth trim panels, side, 4" (100 mm)		1 set(s)	8601.060	8601.080	428
Side panels, screw-fastened, carbon steel		2 pc(s)	8106.235	8108.235	450
Condensate hose		1 pc(s)	3301.612	3301.612	313



Climate control accessories Page 305 Cooling medium Page 314 Flow regulator valve Page 314 Therm software package Page 321

Design:

- Compact, modular layout of the refrigeration components
- Nano-coated condenser
- Pump to convey the medium
- Precise temperature control, based on microprocessor technology
- Collective fault signal with float-in contact

Temperature control:

- Microcontroller control (factory setting +20°C)

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 44 (electrics)

Supply includes:

- Complete unit ready for connection
- Multilingual documentation including functional diagram and wiring plans

Note:

- For 3334.660, two metal filters are required

Characteristic curves of pump:

Available on the Internet

Approvals:

Available on the Internet

Technical details:

Available on the Internet

Power category 3412 – 5118 BTU (1000 – 1500 W)

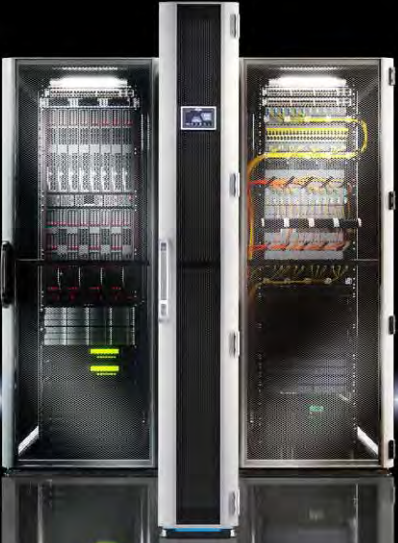
Model No.	Packs of	3318.600	3318.610	3319.600	3319.610	Page
Total cooling output at $T_w = 50^\circ\text{F}/T_u = 90^\circ\text{F}$ BTU (kW)		2730/3071 (0.8/0.9)	2730/3071 (0.8/0.9)	4095/4436 (1.2/1.3)	4095/4436 (1.2/1.3)	
Total cooling output at $T_w = 64^\circ\text{F}/T_u = 90^\circ\text{F}$ BTU (kW)		3412/3753 (1/1.1)	3412/3753 (1/1.1)	5118/5801 (1.5/1.7)	5118/5801 (1.5/1.7)	
Rated power P_{el} 50/60 Hz BTU (kW)		2150/2661 (0.63/0.78)	2150/2661 (0.63/0.78)	2900/3583 (0.85/1.05)	2900/3583 (0.85/1.05)	
Rated operating voltage V, ~, Hz		230, 1~, 50/60	230, 1~, 50/60	230, 1~, 50/60	230, 1~, 50/60	
Height inches (mm)		16 (400)	16 (400)	16 (400)	16 (400)	
Width inches (mm)		24 (600)	24 (600)	24 (600)	24 (600)	
Depth inches (mm)		17 (430)	17 (430)	17 (430)	17 (430)	
Rated current max. A		4.2/4.1	4.2/4.1	5.4/5.3	5.4/5.3	
Operating temperature range		+50°F...+109°F	+50°F...+109°F	+50°F...+109°F	+50°F...+109°F	
Refrigerant		R134a	R134a	R134a	R134a	
Water connection	½" internal thread	■	■	■	■	
Temperature hysteresis		+/- 2 K	+/- 2 K	+/- 2 K	+/- 2 K	
Liquid temperature		+50°F...+86°F	+50°F...+86°F	+50°F...+86°F	+50°F...+86°F	
Version		(pressure-sealed,	open)	(pressure-sealed,	open)	
Tank		–	Plastic PP	–	Plastic PP	
Tank capacity gal (l)		–	0.7 (2.5)	–	0.7 (2.5)	
Weight lb (kg)		105.8 (48.0)	105.8 (48.0)	112.4 (51.0)	112.4 (51.0)	
Accessories						
Metal Filters	1 pc(s).	3286.510	3286.510	3286.510	3286.510	306

TopTherm Chillers

Power category 10236 – 20473 BTU (3000 – 6000 W)

Model No.	Packs of	3320.600	3334.600	3334.660	Page
Total cooling output at $T_w = 50^\circ\text{F} / T_u = 90^\circ\text{F}$ BTU (kW)		9213/10236 (2.7/3)	13307/16037 (3.9/4.7)	16378/17743 (4.8/5.2)	
Total cooling output at $T_w = 64^\circ\text{F} / T_u = 90^\circ\text{F}$ BTU (kW)		10236/11601 (3/3.4)	15355/18426 (4.5/5.4)	20814/22520 (6.1/6.6)	
Rated power P_{el} 50/60 Hz BTU (kW)		7165/9213 (2.1/2.7)	9895/13990 (2.9/4.1)	13990/16378 (4.1/4.8)	
Rated operating voltage V, ~, Hz		400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	
Height inches (mm)		27 (676)	27 (676)	41 (1050)	
Width inches (mm)		24 (602)	24 (602)	24 (602)	
Depth inches (mm)		25 (645)	25 (645)	25 (645)	
Rated current max. A		4.1/4.4	5.7/6.3	8.4/9	
Operating temperature range		+50°F...+109°F	+50°F...+109°F	+50°F...+109°F	
Refrigerant		R134a	R134a	R134a	
Integral tank level display		—	—	■	
Water connection	½" internal thread	■	■	—	
	¾" internal thread	—	—	■	
Temperature hysteresis		+/- 2 K	+/- 2 K	+/- 2 K	
Liquid temperature		+50°F...+86°F	+50°F...+86°F	+50°F...+86°F	
Version		open)	open)	open)	
Tank		Plastic PP	Plastic PP	Plastic PP	
Tank capacity gal (l)		7.9 (30)	7.9 (30)	7.9 (30)	
Weight lb (kg)		194.0 (88.0)	207.2 (94.0)	275.6 (125.0)	
Accessories					
Metal Filters	1 pc(s).	3286.520	3286.520	3286.510	306

New



LCP – Liquid Cooling Package

See page 350



Climate control accessories Page 305 Cooling medium Page 314 Flow regulator valve Page 314 Therm software package Page 321

Design:

- Compact, modular layout of the refrigeration components
- Nano-coated condenser
- Pump to convey the medium
- Precise temperature control, based on microprocessor technology
- Open system with tank
- Collective fault signal with floating contact

Temperature control:

- Microcontroller control (factory setting +20°C)

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 44 (electronics)

Supply includes:

- Complete unit ready for connection
- Multilingual documentation including functional diagram and wiring plans

Characteristic curves of pump:

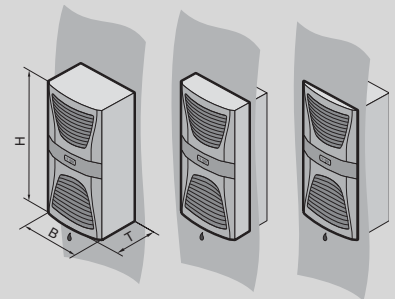
Available on the Internet

Approvals:

Available on the Internet

Technical details:

Available on the Internet



Power category 3412 – 8530 BTU (1000 – 2500 W), wall-mounted

Model No.	Packs of	3360.250	Page
Total cooling output at $T_w = 50^\circ\text{F} / T_u = 90^\circ\text{F}$ BTU (kW)		7165/7848 (2.1/2.3)	
Total cooling output at $T_w = 64^\circ\text{F} / T_u = 90^\circ\text{F}$ BTU (kW)		8530/9554 (2.5/2.8)	
Rated power P_{el} 50/60 Hz BTU (kW)		5289/6824 (1.55/2)	
Rated operating voltage V, ~, Hz		400, 3~, 50 460, 3~, 60	
Height (H) inches (mm)		62 (1580)	
Width (B) inches (mm)		16 (400)	
Depth (T) inches (mm)		11 (290)	
Rated current max. A		5.5/5.6	
Operating temperature range		+50°F...+109°F	
Refrigerant		R134a	
Water connection	Quick-release coupling (counterpart included in accessories bag)	■	
Temperature hysteresis		+/- 2 K	
Liquid temperature		+50°F...+86°F	
Tank		Plastic PP	
Tank capacity gal (l)		2.6 (10)	
Weight lb (kg)		172.0 (78.0)	
Accessories			
Metal Filters	1 pc(s).	3286.410	306

TopTherm Chillers



Climate control accessories Page 305 Cooling medium Page 314 Flow regulator valve Page 314 Therm software package Page 321

Advantages:

- Modular design
- Small footprint
- Convenient servicing
- High reliability thanks to icing protection
- Dual frequencies for international compatibility
- Base platform readily available from stock

Temperature control:

- Microcontroller control (factory setting +18°C, differential value control also possible)

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 44 (electrics)

Supply includes:

- Complete unit with side panels and door ready for connection
- Multilingual documentation including functional diagram and wiring plans

Note:

- For 3335.880 and 3335.890, two metal filters are required

Characteristic curves of pump:

Available on the Internet

Approvals:

Available on the Internet

Technical details:

Available on the Internet

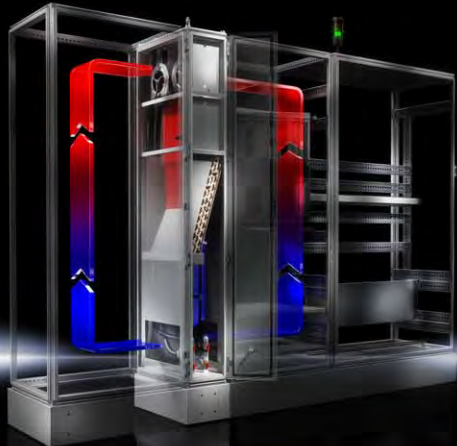
Power category 27297 – 54594 BTU (8000 – 16000 W)

Model No.	Packs of	3335.790	3335.830	3335.840	3335.850	Page
Total cooling output at $T_w = 50^\circ\text{F}/T_u = 90^\circ\text{F}$ BTU (kW)		22179/25591 (6.5/7.5)	22179/25591 (6.5/7.5)	35145/38557 (10.3/11.3)	47088/51865 (13.8/15.2)	
Total cooling output at $T_w = 64^\circ\text{F}/T_u = 90^\circ\text{F}$ BTU (kW)		27297/29344 (8/8.6)	27297/29344 (8/8.6)	40946/44699 (12/13.1)	54594/60054 (16/17.6)	
Rated power P_{el} 50/60 Hz BTU (kW)		14911/17777 (4.37/5.21)	14911/17777 (4.37/5.21)	22520/26478 (6.6/7.76)	24909/31392 (7.3/9.2)	
Rated operating voltage V, ~, Hz		400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	
Height inches (mm)		67 (1700)	83 (2100)	84 (2140)	84 (2140)	
Width inches (mm)		32 (805)	32 (805)	32 (805)	32 (805)	
Depth inches (mm)		24 (605)	24 (605)	24 (605)	24 (605)	
Rated current max. A		8.2/7.7	8.2/7.7	10/11.4	12.7/13.3	
Operating temperature range		+50°F...+109°F	+50°F...+109°F	+50°F...+109°F	+50°F...+109°F	
Refrigerant		R410a	R410a	R410a	R410a	
Water connection	1" internal thread	■	■	■	■	
Temperature hysteresis		+/- 2 K	+/- 2 K	+/- 2 K	+/- 2 K	
Liquid temperature		+50°F...+77°F	+50°F...+77°F	+50°F...+77°F	+50°F...+77°F	
Tank capacity gal (l)		19.8 (75)	19.8 (75)	19.8 (75)	19.8 (75)	
Weight lb (kg)		546.7 (248.0)	546.7 (248.0)	621.7 (282.0)	621.7 (282.0)	
Accessories						
Metal Filters	1 pc(s).	3286.550	3286.550	3286.530	3286.530	306
Flex-Block Base/Plinth System		from page	from page	from page	from page	424
TS Base/Plinth		from page	from page	from page	from page	426
Cooling Medium		see page	see page	see page	see page	314

Power category 68243 – 136486 BTU (20000 – 40000 W)

Model No.	Packs of	3335.860	3335.870	3335.880	3335.890	Page
Total cooling output at $T_w = 50^\circ\text{F}/T_u = 90^\circ\text{F}$ BTU (kW)		56642/63807 (16.6/18.7)	70973/ 81209 (20.8/23.8)	92128/103729 (27/30.4)	110895/127955 (32.5/37.5)	
Total cooling output at $T_w = 64^\circ\text{F}/T_u = 90^\circ\text{F}$ BTU (kW)		68243/74385 (20/21.8)	85304/94175 (25/27.6)	109189/120107 (32/35.2)	136486/150134 (40/44)	
Rated power P_{a} 50/60 Hz BTU (kW)		31392/40946 (9.2/12)	38898/47429 (11.4/13.9)	51012/60054 (14.95/17.6)	61111/78820 (17.91/23.1)	
Rated operating voltage V, ~, Hz		400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	400, 3~, 50 460, 3~, 60	
Height inches (mm)		84 (2140)	84 (2140)	84 (2140)	84 (2140)	
Width inches (mm)		47 (1205)	47 (1205)	63 (1605)	95 (2405)	
Depth inches (mm)		24 (605)	24 (605)	24 (605)	24 (605)	
Rated current max. A		20.1/17.3	22.8/23.8	26.3/26.7	38.4/32.7	
Operating temperature range		+50°F...+109°F	+50°F...+109°F	+50°F...+109°F	+50°F...+109°F	
Refrigerant		R410a	R410a	R410a	R410a	
Water connection	1" internal thread	■	■	–	–	
	1½" internal thread	–	–	■	■	
Temperature hysteresis		+/- 2 K	+/- 2 K	+/- 2 K	+/- 2 K	
Liquid temperature		+50°F...+77°F	+50°F...+77°F	+50°F...+77°F	+50°F...+77°F	
Tank capacity gal (l)		39.6 (150)	39.6 (150)	19.8 (75)	39.6 (150)	
Weight lb (kg)		793.7 (360.0)	824.5 (374.0)	1126.6 (511.0)	1424.2 (646.0)	
Accessories						
Metal Filters	1 pc(s).	3286.540	3286.540	3286.530	3286.540	306
Flex-Block Base/Plinth System		from page	from page	from page	from page	424
TS Base/Plinth		from page	from page	from page	from page	426
Cooling Medium		see page	see page	see page	see page	314

New



LCP – Liquid Cooling Package

See page 296

Enclosure Heaters



Climate control accessories Page 305 Therm software package Page 321

Supply includes:

- PTC heater
- Quick-connection terminal
- Assembly components

Note:

- For precise temperature control inside the enclosure, we recommend using the enclosure internal thermostat or the digital enclosure internal temperature display and thermostat.

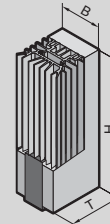
- In order to prevent condensation on the components, the Hygostat is recommended to regulate heating.
- In larger enclosures, even heat distribution is best achieved by installing several low-output heaters
- The installation of heaters is generally advisable in order to prevent condensation.

Approvals:

- UR
- cUR
- CSA

Technical details:

Available on the Internet



Continuous thermal output 34 – 512 BTU (10 – 150 W), without fan

Model No.	Packs of	3105.310	3105.320	3105.330	3105.340	3105.350	3105.360	3105.370	Page
Height (H) inches (mm)		5 (120)	5 (120)	6 (155)	6 (155)	9 (230)	6 (165)	7 (180)	
Width (B) inches (mm)		2 (45)	2 (45)	3 (64)	3 (64)	3 (64)	4 (90)	4 (90)	
Depth (T) inches (mm)		2 (46)	2 (46)	2 (56)	2 (56)	2 (56)	3 (75)	3 (75)	
Continuous thermal output at T_u = 50°F BTU (W)		27 - 34 (8 - 10)	61 - 68 (18 - 20)	78 - 102 (23 - 30)	167 - 171 (49 - 50)	215 - 256 (63 - 75)	293 - 341 (86 - 100)	444 - 512 (130 - 150)	
Rated operating voltage V, ~, Hz		110 - 240, 1~, 50/60	110 - 240, 1~, 50/60	110 - 240, 1~, 50/60	110 - 240, 1~, 50/60	110 - 240, 1~, 50/60	110 - 240, 1~, 50/60	110 - 240, 1~, 50/60	
Pre-fuse A		2	2	4	4	4	4	4	
Accessories									
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	315
Hygostat	1 pc(s).	3118.000	3118.000	3118.000	3118.000	3118.000	3118.000	3118.000	316
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
Bottom-Mounted Adapter	1 pc(s).	3110.200	3110.200	3110.200	3110.200	3110.200	3110.200	3110.200	316



Climate control accessories Page 305 Therm software package Page 321

Supply includes:

- PTC heater
- Fan
- Quick-connection terminal
- Assembly components

Note:

- For precise temperature control inside the enclosure, we recommend using the enclosure internal thermostat or the digital enclosure internal temperature display and thermostat.

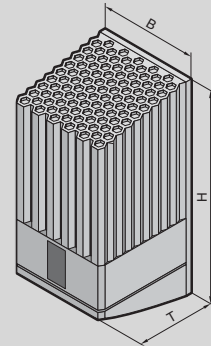
- In order to prevent condensation on the components, the Hygostat is recommended to regulate heating.
- In larger enclosures, even heat distribution is best achieved by installing several low-output heaters
- The installation of heaters is generally advisable in order to prevent condensation.

Approvals:

- UR
- cUR
- CSA

Technical details:

Available on the Internet



Continuous thermal output 802 – 2730 BTU (235 – 800 W), with fan

Model No.	Packs of	3105.410	3105.380	3105.420	3105.390	3105.430	3105.400	Page
Height (H) inches (mm)		8 (200)	8 (200)	8 (200)	8 (200)	8 (200)	8 (200)	
Width (B) inches (mm)		4 (103)	4 (103)	4 (103)	4 (103)	4 (103)	4 (103)	
Depth (T) inches (mm)		4 (103)	4 (103)	4 (103)	4 (103)	4 (103)	4 (103)	
Continuous thermal output at $T_u = 50^\circ\text{F}$ BTU (W)		802/853 (235/250)	853/904 (250/265)	1211/1365 (355/400)	1365/1416 (400/415)	2423/2730 (710/800)	2730/2969 (800/870)	
Rated operating voltage V, ~, Hz		115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	
Pre-fuse A		4	4	6	6	10	6	
Accessories								
Enclosure Internal Thermostat	1 pc(s).	3110.000	3110.000	3110.000	3110.000	3110.000	3110.000	315
Hygostat	1 pc(s).	3118.000	3118.000	3118.000	3118.000	3118.000	3118.000	316
Digital Enclosure Internal Temperature Display and Thermostat	1 pc(s).	3114.200	3114.200	3114.200	3114.200	3114.200	3114.200	315
Bottom-Mounted Adapter	1 pc(s).	3110.200	3110.200	3110.200	3110.200	3110.200	3110.200	316

Rittal – The System.

Faster – better – everywhere.



Filter mats

for blower fans

Made of chopped-fiber mat with a progressive construction.
Temperature-resistant to 212°F, self-extinguishing category F1 to DIN 53 438.
Dust-laden air side: Open structure.
Clean air side: Closed structure.
Reliable filtering of virtually all types of dust from a particle size of 10 µm.

Material:

- Chemical fibers



For blower fans/front outlet grilles, 2U	H x W x D inches (mm)	Packs of	Model No.
3144.000/3145.000	3 x 17 x 1 (85 x 425 x 8)	5 pc(s).	3177.000

Filter Mats

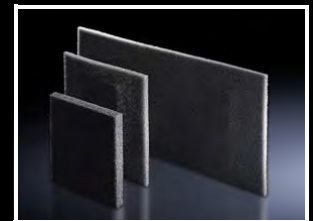
for

- Cooling units
- Air/air heat exchangers

Cooling units are low-maintenance and are supplied without filter mats. Filter mats may be used for extreme conditions.

Material:

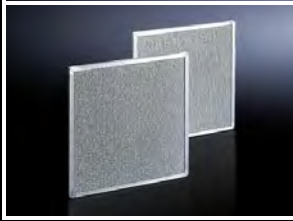
- Open-celled polyurethane foam
- Exceptional physical and mechanical properties
- Temperature-resistant: From -40°F to +176°F
- Thickness: 10 mm



For cooling units	H x W x D inches (mm)	Packs of	Model No.
3302.300/3302.310	4 x 7 x 0.4 (95 x 190 x 10)	3 pc(s).	3286.110
3302.../3303.../3361...	8 x 10 x 0.4 (200 x 265 x 10)	3 pc(s).	3286.300
3304.../3305.../3328.../3329.../3332.../3366...	11 x 14 x 0.4 (268 x 344 x 10)	3 pc(s).	3286.400
3273.../3382.../3383.../3384.../3385.../3359...	10 x 21 x 0.4 (255 x 530 x 10)	3 pc(s).	3286.500
3386.../3387...	12 x 28 x 0.4 (300 x 720 x 10)	3 pc(s).	3286.600
For air/air heat exchangers	H x W x D inches (mm)	Packs of	Model No.
3126.100/3126.115	8 x 10 x 0.4 (200 x 265 x 10)	3 pc(s).	3286.300
3127.100/3127.115/3128.100/3128.115/3129.100/3129.115/3130.100/3130.115	11 x 14 x 0.4 (268 x 344 x 10)	3 pc(s).	3286.400

Climate Control Accessories

Filter Systems



Metal Filters

When cooling units are used in dusty and oily environments, it is advisable to use washable metal filters.

If air or steam condenses on the metal surfaces, any particles present will adhere to the metal. These filters can easily be washed out with water or grease-dissolving solvents.

Material:

- Aluminum
- Thickness: 10 mm

Note:

- For 3334.660, 3335.880 and 3335.890, two metal filters are required

For cooling units	H x W x D inches (mm)	Packs of	Model No.
3302.300/3302.310	4 x 7 x 0.4 (95 x 190 x 10)	1 pc(s).	3286.120
3302.100/3302.110/3302.200/3303. . . /3361. . . .	8 x 10 x 0.4 (200 x 265 x 10)	1 pc(s).	3286.310
3304. . . /3305. . . /3328. . . /3329. . . /3332. . . /3366. . . .	11 x 14 x 0.4 (268 x 344 x 10)	1 pc(s).	3286.410
3273. . . /3382. . . /3383. . . /3384. . . /3385. . . /3359. . . .	10 x 21 x 0.4 (255 x 530 x 10)	1 pc(s).	3286.510
3386. . . /3387. . . .	12 x 28 x 0.4 (300 x 720 x 10)	1 pc(s).	3286.610
For climate control door/section door	H x W x D inches (mm)	Packs of	Model No.
3300.040/3300.050/3300.060/3300.070/3300.080/3300.090/3300.110/3300.120	3 x 17 x 0.4 (78 x 425 x 10)	1 pc(s).	3284.210
For air/air heat exchangers	H x W x D inches (mm)	Packs of	Model No.
3126.100/3126.115	8 x 10 x 0.4 (200 x 265 x 10)	1 pc(s).	3286.310
3127.100/3127.115/3128.100/3128.115/3129.100/3129.115/3130.100/3130.115	11 x 14 x 0.4 (268 x 344 x 10)	1 pc(s).	3286.410
For chillers	H x W x D inches (mm)	Packs of	Model No.
3318.600/3318.610/3319.600/3319.610/3334.660	10 x 21 x 0.4 (255 x 530 x 10)	1 pc(s).	3286.510
3320.600/3334.600	22 x 20 x 0.3 (558 x 500 x 8)	1 pc(s).	3286.520
3335.790/3335.830	32 x 24 x 0.8 (800 x 600 x 20)	1 pc(s).	3286.550
3335.840/3335.850/3335.880	41 x 24 x 0.8 (1050 x 600 x 20)	1 pc(s).	3286.530
3335.860/3335.870/3335.890	41 x 39 x 0.8 (1035 x 1000 x 20)	1 pc(s).	3286.540
3360.100/.250	11 x 14 x 0.4 (268 x 344 x 10)	1 pc(s).	3286.410

Spare Filter Mats

Made of chopped-fiber mat with a progressive construction.
 Temperature resistant to +212°F,
 self-extinguishing category F1 to DIN 53 438.
 Dust-laden air side: Open structure.
 Clean air side: Closed structure.
 Reliable filtering of virtually all types of dust from a particle size of 10 µm.

For thermoelectric coolers	Material	H x W x D inches (mm)	Filter class to DIN EN 779	Packs of	Model No.
3201.200/3201.300	Chemical fibers	4 x 4 x 0.3 (90 x 106 x 8)	G2	5 pc(s).	3201.050
For filter fans	Material	H x W x D inches (mm)	Filter class to DIN EN 779	Packs of	Model No.
3237. . . .	Chemical fibers	4 x 4 ¹⁾ x 0.4 (89 x 89 ¹⁾ x 10)	G2	5 pc(s).	3321.700
				50 pc(s).	3321.705
3238. . . .		5 x 5 x 0.5 (120 x 120 x 12)	G2	5 pc(s).	3322.700
				50 pc(s).	3322.705
3239. . . .		7 x 7 x 0.7 (173 x 173 x 17)	G3	5 pc(s).	3171.100
				50 pc(s).	3171.105
3240. . . ./3241. . . .		9 x 9 x 0.7 (221 x 221 x 17)	G3	5 pc(s).	3172.100
				50 pc(s).	3172.105
3243. . . ./3244. . . ./3245. . . .		11 x 11 x 0.7 (289 x 289 x 17)	G3	5 pc(s).	3173.100
				50 pc(s).	3173.105
For filter holders	Material	H x W x D inches (mm)	Filter class to DIN EN 779	Packs of	Model No.
3175.000	Chemical fibers	10 x 13 x 0.7 (242 x 338 x 17)	G2	3 pc(s).	3174.000
For EMC filter fans	Material	H x W x D inches (mm)	Filter class to DIN EN 779	Packs of	Model No.
3237. . . .	Copper/nickel/ chrome-coated chemical fibers	4 x 4 x 0.4 (92 x 92 x 10)	G2	5 pc(s).	3237.066
3238. . . .		5 x 5 x 0.5 (125 x 125 x 12)	G2	5 pc(s).	3238.066
3239. . . .		7 x 7 x 0.7 (178 x 178 x 17)	G3	5 pc(s).	3239.066
3240. . . ./3241. . . .		9 x 9 x 0.7 (226 x 226 x 17)	G3	5 pc(s).	3240.066
3243. . . ./3244. . . ./3245. . . .		12 x 12 x 0.7 (294 x 294 x 17)	G3	5 pc(s).	3243.066

¹⁾ Octagonal

Fine Filter Mats

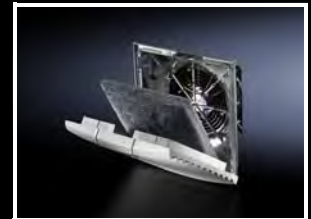
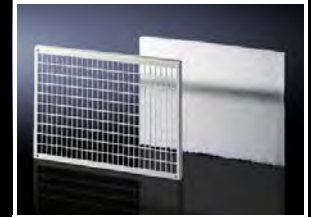
for filter fans

Made of chopped-fiber mat with a progressive construction.
 Temperature resistant to +212°F,
 self-extinguishing category F1 to DIN 53 438.
 Dust-laden air side: Open structure.
 Clean air side: Closed structure.
 Reliable filtering of virtually all types of dust from a particle size below 10 µm.

Material:

– Chemical fibers

For filter fans	H x W x D inches (mm)	Filter class to DIN EN 779	Packs of	Model No.
3238. . . .	5 x 5 x 0.5 (120 x 120 x 12)	F5/M5	5 pc(s).	3238.055
3239. . . .		F5/M5	5 pc(s).	3181.100
3240. . . ./3241. . . .	9 x 9 x 0.5 (221 x 221 x 12)	F5/M5	5 pc(s).	3182.100
3243. . . ./3244. . . ./3245. . . .	11 x 11 x 0.5 (289 x 289 x 12)	F5/M5	5 pc(s).	3183.100



Climate Control Accessories

Filter Systems



Outlet Filters

For ventilation by convection, an outlet filter can be installed in the upper and lower sections of the enclosure.

Material:

- ABS, material resistance to UL 94-5VA

Color:

- RAL 7035

Protection category IP to IEC 60 529:

- IP 54 incl. filter mat

Supply includes:

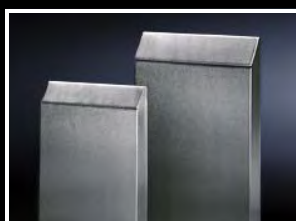
- Filter mat

Dimensions H x W x D inches (mm)	Model No.	
	Standard	EMC
5 x 5 x 0.6 (116.5 x 116.5 x 16)	3237.200	3237.060
6 x 6 x 0.9 (148.5 x 148.5 x 24)	3238.200	3238.060
8 x 8 x 0.9 (204 x 204 x 24)	3239.200	3239.060
10 x 10 x 1.0 (255 x 255 x 25)	3240.200	3240.060
13 x 13 x 1.0 (323 x 323 x 25)	3243.200	3243.060



Accessories:

- Spare filter mats, see page 307
- Fine filter mats, see page 307
- Hose-proof hood, see page 308
- Blanking cover, see page 308



Hose-Proof Hood

for a higher protection category

Easy cleaning thanks to external, food-safe silicone seal.

Material:

- Stainless steel/carbon steel
- Silicone

Protection category IP to IEC 60 529:

- IP 56 when fitted over a filter fan/outlet filter with filter mat

Protection category NEMA:

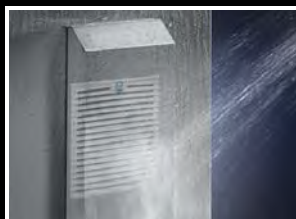
- NEMA Type 12 with 3237.080
- NEMA Type 1, 12, 3, 4, 4X with 3238.080, 3239.080, 3240.080, 3243.080
- NEMA Type 1, 12, 3R with 3245.080

Stainless steel

For filter fan/ outlet filter	Dimensions H x W x D inches (mm)	Model No.
3237. . . .	9 x 6 x 2 (230 x 150 x 40)	3237.080
3238. . . .	10 x 7 x 2 (245 x 176 x 55)	3238.080
3239. . . .	13 x 9 x 2 (330 x 233 x 55)	3239.080
3240. . . ./3241. . . .	15 x 11 x 3 (390 x 282 x 85)	3240.080
3243. . . ./3244. . . .	19 x 14 x 4 (480 x 350 x 110)	3243.080
3245. . . .	19 x 14 x 6 (480 x 350 x 160)	3245.080

Carbon steel, RAL 7035

For filter fan/ outlet filter	Dimensions H x W x D inches (mm)	Model No.
3237. . . .	9 x 6 x 2 (230 x 150 x 40)	3237.085
3238. . . .	10 x 7 x 2 (245 x 176 x 55)	3238.085
3239. . . .	13 x 9 x 2 (330 x 233 x 55)	3239.085
3240. . . ./3241. . . .	15 x 11 x 3 (390 x 282 x 85)	3240.085
3243. . . ./3244. . . .	19 x 14 x 4 (480 x 350 x 110)	3243.085



Blanking Cover

If existing mounting cut-outs for filter fans/outlet filters need to be closed to achieve a higher protection category, the filter mat of the filter fan/outlet filter can simply be replaced with a blanking cover; welding or other mechanical modification of the enclosure is not necessary.

Material:

- Closed-cell polyethylene foam

Color:

- Anthracite

Protection category IP to IEC 60 529:

- IP 54

For filter fan/outlet filter	Packs of	Model No.
3237. . . .	2 pc(s).	3237.020
3238. . . .	2 pc(s).	3238.020
3239. . . .	2 pc(s).	3239.020
3240. . . ./3241. . . .	2 pc(s).	3240.020
3243. . . ./3244. . . ./3245. . . .	2 pc(s).	3243.020

Filter Systems

Filter Holder

for roof ventilation

The use of a filter mat is required in order to increase the protection category of the roof vent 3148.007.

Material:

- Carbon steel

Protection category IP to IEC 60 529:

- IP 44

Supply includes:

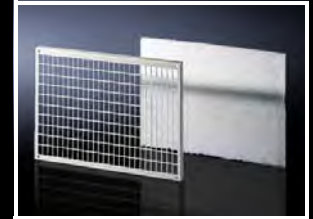
- Filter holder including filter mat

H x W x D inches (mm)	Model No.
10 x 13 x 0.6 (244 x 340 x 15)	3175.000



Accessories:

- Spare filter mat, see page 307



Enclosure Internal Fan

for TS

To prevent hot-spots and support the air routing of active enclosure climate control components. Adjustable in two axes. Mounted on the TS 8 frame section. Several fans can be cascaded using the quick-release terminal strip.

Supply includes:

- Complete unit with radial fan ready for connection
- Snap-on pivot device
- Assembly components

Technical details:

Available on the Internet

Air throughput (unimpeded air flow) cfm (m³/h)	Rated power BTU (W)	Rated current A	Rated voltage V, ~, Hz	Model No.
94 (160)	65/61(19.0/18.0)	0.12/0.11	230, 1~, 50/60	3108.100
94 (160)	65/61(19.0/18.0)	0.24/0.23	115, 1~, 50/60	3108.115
94 (160)	12 (3.5)	0.15	24 V (DC)	3108.024



Mini-Fan

Compact DC fan for housings and component cooling in housings.

Technical specifications:

- Rated operating voltage: 24 V (DC)
- Rated power: 1 W
- Air throughput (unimpeded air flow): 21 m³/h
- Noise pressure level (unimpeded air flow): 20 dB (A)
- Operating temperature range: -4°F...+158°F

Dimensions H x W x D inches (mm)	Packs of	Model No.
2 x 2 x 1 (60 x 60 x 25.4)	1 pc(s).	3236.124

Supply includes:

- Fans
- Assembly screws
- Contact protection guard (2 pcs)



Integrated Louvers

For ventilation by convection, easily retro-fitted using 4 screws.

Material:

- Carbon steel

Color:

- RAL 7035

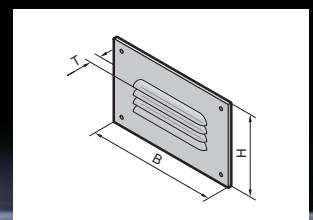
Supply includes:

- Assembly components

H x W x D inches (mm)	Packs of	Model No.
4 x 6 x 1 (110 x 160 x 8)	4 pc(s).	2541.235
4 x 8 x 1 (100 x 210 x 8)	4 pc(s).	2542.235
4 x 13 x 1 (110 x 330 x 8)	4 pc(s).	2543.235

Technical details:

Available on the Internet



Climate Control Accessories

Air Routing



Air Duct System

for roof-mounted variants:

Cooling units and air/water heat exchangers

Cold air can be routed directly to specific areas of the enclosure using the air duct system. This eliminates the risk of air short circuits due to self-ventilated installed devices.

The dimensions of the shallow duct are H x W x D 1500 x 229 x 29 mm, and can be shortened to the required length.

Material:

- Flame-resistant plastic to DIN 4102/B1

Color:

- RAL 7035

Supply includes:

- Shallow duct, compensating hose

Note:

- Do not direct cold air straight at active components
- When using the ducting system, the performance of the cooling unit may be reduced, depending on the application in question



Also required:

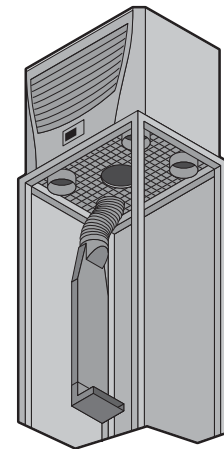
- TS support strips, see page 525
- Air duct adapter 3286.840 (for units 3359. . . / 3382. . .), see page 310



Accessories:

- Deflector 90°, see page 310
- Stoppers, see page 312
- Shallow duct extension, see page 311

For unit	Packs of	Model No.
3209. . . /3210. . . /3273. . . /3359. . . /3382. . . /3383. . . /3384. . . /3385. . .	1 pc(s).	3286.870
3386. . . /3387. . .	1 pc(s).	3286.970



Air Duct Adapter

for air duct system and shallow air duct system

as a connection between the cooling unit (air inlet opening) and the air duct system. Suitable for roof-mounted cooling units 3359.XXX, 3382.XXX.

Material:

- ABS

Color:

- RAL 9005

Packs of	Model No.
1 pc(s).	3286.840

Deflector, 90°

for air duct system

For targeted air deflection at the end of the shallow duct.

Color:

- RAL 7035

Packs of	Model No.
1 pc(s).	3286.990

Shallow Air Duct System

for roof-mounted options:

Cooling unit and air/water heat exchangers suitable for TS 8 enclosures with widths of 800 mm or more and depths of 600 mm or more

Cold air can be routed directly to specific areas of the enclosure using the air duct system. This eliminates the risk of air short circuits due to self-ventilated installed devices.

The dimensions of the shallow duct are H x W x D 1500 x 229 x 29 mm, and can be shortened to the required length.

Material:

- Flame-resistant plastic to DIN 4102/B1

Color:

- RAL 7035

Supply includes:

- Shallow duct
- Adapter
- Compensating piece
- Deflector, 90°

Note:

- Do not direct cold air straight at active components
- When using the ducting system, the performance of the cooling unit may be reduced, depending on the application in question
- Cannot be used in combination with quick-change frame, see page 320



Also required:

- TS support strips, see page 525



Accessories:

- Deflector 90°, see page 310
- Stoppers, see page 312
- Shallow duct extension, see page 311

For unit	Packs of	Model No.
3209.../3210.../3273.../3383.../3384.../3385...	1 pc(s).	3286.850

Shallow Duct Extension

Extension kit for air duct system and shallow air duct system for width, depth or height length extensions in TS 8 enclosures.

Material:

- Flame-resistant plastic to DIN 4102/B1

Packs of	Model No.
1 pc(s).	3286.860

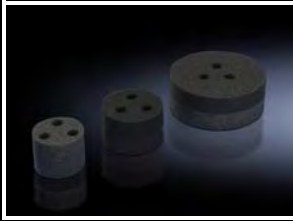
Supply includes:

- Shallow duct 1500 mm
- Connecting piece



Climate Control Accessories

Air Routing



Stoppers

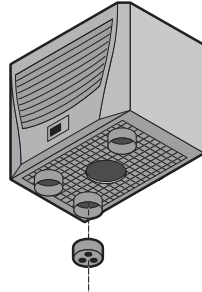
for roof-mounted cooling units and air/water heat exchangers

To cover unneeded cold air outlets.

Material:

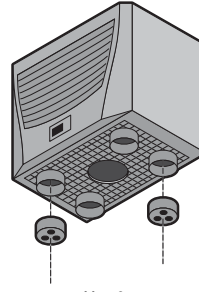
– Polyurethane foam

For units	Diameter inches (mm)	Max. number of stoppers per unit	Packs of	Model No.
3359.../3382....	3 (80)	1	2 pc(s).	3286.780
3209.../3210.../3273.../3383.../3384.../3385....	4 (100)	2	2 pc(s).	3286.880
3386.../3387....	6 (150)	1	2 pc(s).	3286.980



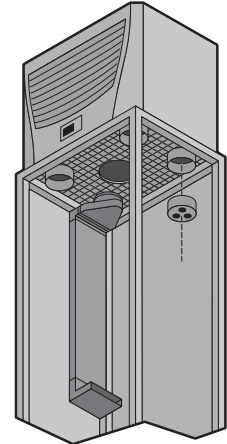
Max. 1 x

3359.../3382.../
3386.../3387....



Max. 2 x

3209.../3210.../3383.../
3384.../3385.../3273....



Air Diverter

For use with wall-mounted cooling units. For targeted air routing of the cold air in a downward direction. Especially well-suited for densely-packed electrical components in the lower section of the enclosure.

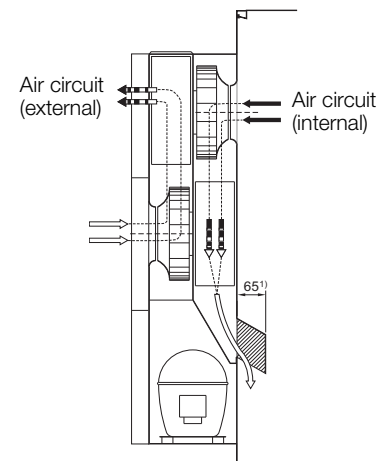
Material:

– Carbon steel

Color:

– RAL 7035

For units	Model No.
3304.../3305....	3213.310
3328.../3329....	3213.320
3332....	3213.330¹⁾



¹⁾ 115 mm with 3213.330

Water Distribution

Electric Condensate Evaporator

For external mounting on enclosures. For use with all cooling units and air/water heat exchangers (wall-mounted).
Compatible with multiple voltages for international use.

Evaporation performance:

- At 230 V: 3.5 l/d
- At 115 V: 3.0 l/d

Color:

- RAL 7035

Supply includes:

- Electric condensate evaporator, ready to connect

Width inches (mm)	Rated operating voltage V, ~, Hz	Model No.
11 (280)	115 – 230, 1~, 50/60	3301.500
16 (400)	115 – 230, 1~, 50/60	3301.505

Technical details:

Available on the Internet



Condensate Collecting Bottle

For mounting on the enclosure. For use with all cooling units and air/water heat exchangers.

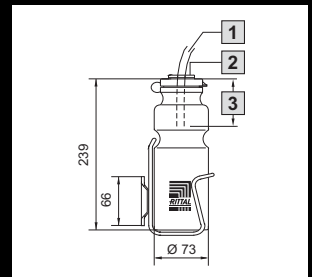
- Safety overflow at the side
- Capacity approximately 0.75 l

- 1** Condensate drain hose
- 2** Membrane grommet
- 3** Max. 70 mm

Packs of	Model No.
1 pc(s).	3301.600

Supply includes:

- Condensate collecting bottle
- Bottle holder
- Mounting accessories



Condensate Hose

For the discharge and transfer of condensate. For connecting to cooling units and air/water heat exchangers.

Material:

- PVC, transparent

For units	Hose length inches (m)	Material thickness Ø mm	Model No.
3201. . . .	196 (5)	6 x 1	3301.606
3212. . . ./3302. . . ./3303. . . ./3361. . . .	394 (10)	10 x 1.5	3301.610
3209. . . ./3210. . . ./3214.100/3215.100/3216.480/3273. . . ./3304. . . ./3305. . . ./3328. . . ./3329. . . ./3332. . . ./3359. . . ./3363. . . ./3364. . . ./3366. . . ./3373. . . ./3374. . . ./3375. . . ./3377. . . ./3378. . . ./3382. . . ./3383. . . ./3384. . . ./3385. . . ./3386. . . ./3387. . . ./	394 (10)	12 x 2	3301.612



Climate Control Accessories

Water Distribution



Flow Regulator Valve

For use with air/water heat exchangers, especially if more than one heat exchanger ($n > 1$) is used in the cooling water circuit. The correctly set valve ensures the same quantity of cooling medium for all equipment. The valve is also used for hydraulic balancing.

Setting range:

– 3 to 12 l/min

Material:

– Brass

Version	Packs of	Model No.
$\frac{3}{4}$ " x $\frac{1}{2}$ " for volume flow control	1 pc(s).	3301.930
$\frac{3}{4}$ " x $\frac{3}{4}$ " for volume flow control	1 pc(s).	3301.940



Fitting G $\frac{3}{8}$ "

The G $\frac{3}{8}$ " internal threaded adapter can be used to create fixed piping on the air/water heat exchanger for both the inlet and return.

Material:

– Brass

For air/water heat exchangers	Version	Packs of	Model No.
3209. . . /3210. . . / 3363. . . /3364. . . / 3373. . . /3374. . . / 3375. . . .	G $\frac{3}{8}$ " Internal thread	2 pc(s).	3201.900



Cooling Medium for chillers

Ready-mixed

Chillers – with the exception of chillers for oil and emulsion – are exclusively suitable for cooling water or a water-glycol mixture.

As well as protecting against frost, this cooling medium also serves to inhibit bacterial growth and provide optimum corrosion protection.

Supply includes:

- 10 l canister
- 25 l canister

Cooling medium	Antifreeze/ water mixture	Container gallons (l)	Model No.
Outdoor	1 : 2	2.64 (10)	3301.950
		6.6 (25)	3301.955
Standard	1 : 4	2.64 (10)	3301.960
		6.6 (25)	3301.965

Digital Enclosure Internal Temperature Display and Thermostat

For installation in the enclosure door or wall.

Technical specifications:

- 2 voltage ranges for 100 – 230 V, 50/60 Hz and 24 – 60 V (DC)
- Depth: 100 mm
- Three-digit, 7-segment display
- Option of switching between °C/°F
- Temperature range: +41°F...+131°F
- With 1.80 m long NTC sensor
- Two relay outputs as change-over contact and normally open contact (max. contact load 230 V, 6 A)
- Freely selectable switching hysteresis
- The freely selectable setpoints can be adjusted using the membrane keyboard on the front, setting range: +41°F...+131°F

Packs of	Model No.
1 pc(s).	3114.200

- Display and switching accuracy ± 2 K
- The minimum and maximum recorded temperatures are stored until it is reset

Color:

- RAL 7035



Digital Enclosure Internal Temperature Display and Thermostat

Integrated into a patch panel 1 U

Including cable attachment for connection cable and label holder.

Technical specifications:

- 2 voltage ranges for 100 – 230 V, 50/60 Hz and 24 – 60 V (DC)
- Depth: 100 mm
- Three-digit, 7-segment display
- Option of switching between °C/°F
- Temperature range: +41°F...+131°F
- With 1.80 m long NTC sensor
- Two relay outputs as change-over contact and normally open contact (max. contact load 230 V, 6 A)
- Freely selectable switching hysteresis
- The freely selectable setpoints can be adjusted using the membrane keyboard on the front, setting range: +41°F...+131°F

Packs of	Model No.
1 pc(s).	7109.035

- Display and switching accuracy ± 2 K
- The minimum and maximum recorded temperatures are stored until it is reset

Color:

- RAL 7035



Enclosure Internal Thermostat

Suitable for controlling filter fan units, heaters and heat exchangers. This thermostat can also be used as a signal generator for monitoring the internal enclosure temperature.

Technical specifications:

- Bi-metal controller as a temperature-sensitive element with thermal feedback
- Contact population: Single-pole change-over contact as a quick-break contact
- Permissible contact load:
Category 5 – 3 (heating)
AC 10 (4)¹⁾ A,
DC = max. 30 W
Category 5 – 4 (cooling)
AC 5 (4)¹⁾ A,
DC = max. 30 W
¹⁾ = Inductive load at $\cos \phi = 0.6$
- Setting range: +41°F...+140°F
- Weight: approx. 105 g
- Dimensions: 71 x 71 x 33.5 mm
- Switching hysteresis: approx. 1 K $\pm$ 0.8 K

Rated operating voltage V, ~	Model No.
230, 115, 1~, 60, 48, 24 60/48/24 (DC)	3110.000

- Flexible mounting on a vertical or horizontal 35 mm support rail to EN 50 022, snap fastening in the TS/SE enclosure section or on the mounting plate using the supplied adapter

Color:

- RAL 7035



Accessories:

- Bottom-mounted adapter, see page 316



Climate Control Accessories

Control/Regulation



Hygrostat

The hygrostat switches on the heater and/or fan when a preset relative humidity in the enclosure is exceeded.

The relative humidity is raised above the dew point and condensation on assemblies or electronic components is avoided.

Technical specifications:

- Contact population: Single-pole change-over contact as a quick-break contact
- Permissible contact load:
 - AC ~ 5 (0.2)¹⁾ A
 - DC = max. 20 W
 - ¹⁾ = Inductive load at $\cos \phi = 0.6$
- Setting range: 50 – 100% relative humidity
- Weight: approx. 100 g
- Dimensions: 71 x 71 x 33.5 mm
- Switching hysteresis: approx. 4%
- Flexible mounting on a vertical or horizontal 35 mm support rail to EN 50 022, snap fastening in the TS/SE enclosure section or on the mounting plate using the supplied adapter

Rated operating voltage V, ~	Model No.
24 – 230, 1~ 12 – 75 (DC)	3118.000

Color:

- RAL 7035



Accessories:

- Bottom-mounted adapter, see page 316



Bottom-Mounted Adapter

for enclosure internal thermostat 3110.000 and hygrostat 3118.000

Bottom-mounted adapter with mounting option for screwed cable glands, for targeted cable infeed from appropriate equipment such as filter fan units and enclosure heaters. In conjunction with screwed cable glands, it also provides strain relief.

Color:

- RAL 7035

Packs of	Model No.
1 pc(s).	3110.200



Speed Control EC

Control unit

Temperature-dependent speed control for EC filter fans to reduce noise and save energy. The fan function can also be monitored.

- Activation and monitoring of up to 4 EC filter fans (Caution: EC filter fans are not compatible with speed control 3120.200!)
- Rated operating voltage: 100 – 250 V
- Mounted on top-hat rail
- Temperature setting range: 41°F...131°F
- External temperature sensor for monitoring the actual temperature
- Status LED for displaying the operating condition
- Alarm relay for signaling overtemperature, fan fault, line disconnection and sensor failure

For EC filter fans	Model No.
3240.500/3241.500/3243.500/ 3244.500/3245.XXX	3235.440

Supply includes:

- NTC sensor, length 1.80 m

Speed Control EC

Speed control sensor

NTC sensor for the temperature-dependent speed control of EC filter fans to reduce noise and save energy. Controlled via an EC filter fan.

Technical specifications:

- Rated voltage: 10 – 12 V (DC)
(supplied via EC filter fan)
- Input current: 1 mA
- Output current: 0.1 mA
- Operating temperature range: -13°F...+176°F
- Cable length: 3 m
- Control characteristic: Fixed setpoint at 95°F, with linear control range between +95°F (maximum speed 100%) and +68°F (minimum speed 10%)

For EC filter fans	Model No.
3240.500/3241.500/3243.500/ 3244.500/3245.XXX	3235.450

Protection category IP to IEC 60 529:

- IP 40

Supply includes:

- Sensor and cable (length 3 m)



Speed Control

Temperature-dependent speed control for filter fans, air/air heat exchangers, rack-mounted fans and blower fans to reduce noise and save energy in part-load operation.

Technical specifications:

- For mounting on a 35 mm support rail
DIN EN 50 022
- Dimensions (H x W x D): 90.5 x 105 x 60.2 mm
- Rated operating voltage: 100 – 230 V (AC)
- Setting range: +68°F...+131°F
- Phase cross-over with microcontroller
- Maximum fan output 300 W or 2 A

Packs of	Model No.
1 pc(s).	3120.200

Supply includes:

- Speed control
- NTC sensor, length 1.80 m

Note:

- Only suitable for use with single-phase AC motors and equipment
- Not suitable for EC motors



Interface Board

for units with an e-Comfort controller

The interface board is an extension for cooling units with an e-Comfort controller. In this way it is possible, e.g. to monitor a master/slave combination of up to 10 cooling units. Control is achieved via standardized interfaces: RS232 (DB9) or RS485, one PLC interface (DB9). The extension board is built into a 1 U plastic housing.

A voltage supply of 24 V (DC) is required. This can be provided from an external source via a Kycon connector.

Packs of	Model No.
1 pc(s).	3124.200

Supply includes:

- Interface board integrated into plastic box
H x W x D: 44 (1 U) x 136 x 129
- Serial SUB-D cable, 1.50 m

Technical details:

Available on the Internet



Control/Regulation

SK BUS System

Master/slave cable

The SK BUS system is used to enable communication between multiple cooling units and air/water heat exchangers with an e-Comfort controller. Based on a master/slave set-up similar to that required in complex bayed enclosure systems for optimum operating conditions.

Technical description:

- The master-slave configuration facilitates common activation and deactivation via door limit switches, parallel activation and deactivation via a temperature setpoint, and common collective fault signals and temperature logging, thereby eliminating the need for intricate wiring.

For cooling units and air/water heat exchangers	Model No.
	3124.100

Supply includes:

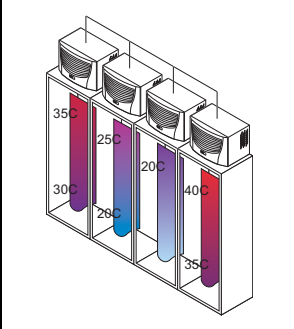
- 3 m shielded interface cable
- Operating instructions for programming the cooling units

Note:

- $n_B = n_K - 1$
- n_B : Number of order units (SK bus system)
- n_K : Number of cooling units to be linked

Technical details:

Available on the Internet



SK BUS System

Master/slave adapter

Parallel operation of up to 5 thermoelectric coolers for increased cooling output or for redundancy.

Supply includes:

- Adapter incl. master connection cable
- Assembly components

For thermoelectric coolers	Model No.
3201.200/3201.300	3201.070



Also required:

- CAN bus connection cable, 1 x RJ 45 per slave, see page 371



Toroidal Transformer

Primary connection 115 V/400 V

Technical specifications:

- Power 110 VA
- Primary connection 3500 mm long
- Secondary connection 1500 mm long
- Dimensions H x W x D: 123 x 105 x 55 mm
- For mounting on a 35 mm support rail DIN EN 50 022
- Voltage tolerance $\pm 10\%$

Supply includes:

- Assembly components for mounting on top-hat rail

For air/water heat exchangers	Primary connection V, 1~, Hz	Secondary connection V, 1~, Hz	Model No.
3363.X0X 3364.X0X 3214.100 3215.100	115, 1~, 50/60	230, 1~, 50/60	3201.970
3363.X0X 3364.X0X 3212.230 3214.100 3215.100	400, 2~, 50/60	230, 1~, 50/60	3201.960

Roof Plates TS

For mounting:

- Roof-mounted cooling units
- Air/water heat exchangers
- Roof-mounted fans
- Vent attachment TS

The cut-outs in the roof plate are arranged so that the roof-mounted cooling units are centered on the enclosure.

Material:

- Carbon steel

Color:

- RAL 7035

Supply includes:

- Assembly components

For enclosures W x D inches (mm)	For mounting	B1 inches (mm)	B2 inches (mm)	T1 inches (mm)	T2 inches (mm)	T3 inches (mm)	Model No.
32 x 24 (800 x 600)	3382.../3359.../3149.4.../3149.8...	30 (767.5)	19 (475)	22 (567.5)	10 (260)	5 (129.3)	8801.320
24 x 24 (600 x 600)	3209.../3383.../3210.../3384.../3273.../3385.../8801.380	22 (567.5)	19 (490)	22 (567.5)	15 (390)	2 (61.3)	8801.310¹⁾
32 x 24 (800 x 600)		30 (767.5)	19 (490)	22 (567.5)	15 (390)	2 (61.3)	8801.330
47 x 24 (1200 x 600)		46 (1167.5)	19 (490)	22 (567.5)	15 (390)	2 (61.3)	8801.350
32 x 24 (800 x 600)	3386.../3387...	30 (767.5)	27 (692)	22 (567.5)	15 (392)	2 (57.8)	8801.340²⁾

¹⁾ When mounting the cooling units, there may be a collision with the transportation eyebolts of the enclosure; for this reason, roof mounting screws are supplied loose with the roof plates

²⁾ Attachment is from the inside using metal brackets and retaining clamps

Vent Attachment TS

For passive ventilation with complicated air flow routing, to match the roofs for roof-mounted cooling units.

Color:

- RAL 7035

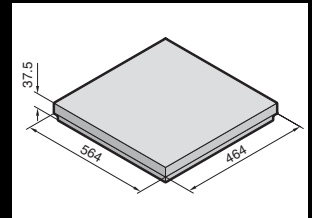
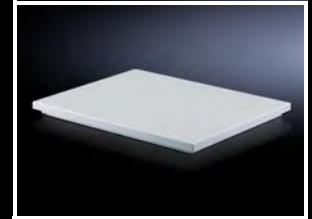
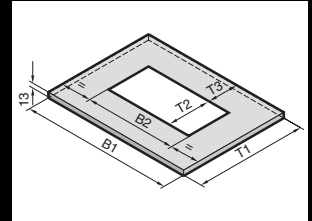
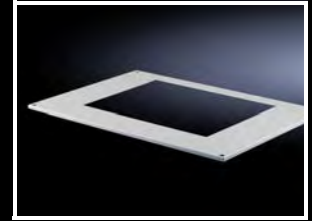
Protection category IP to IEC 60 529:

- IP 43

Supply includes:

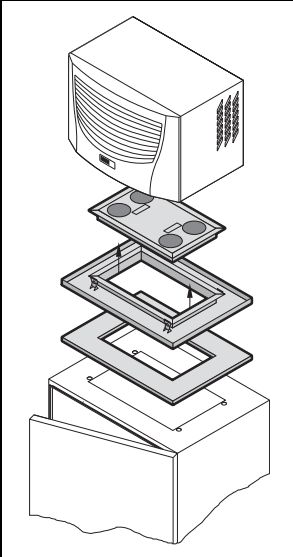
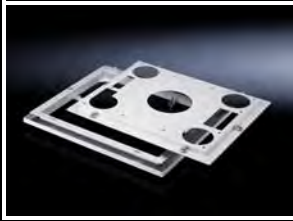
- Assembly components

For roof plates with cut-out inches (mm)	Model No.
19 x 15 (490 x 390)	8801.380



Climate Control Accessories

Mounting Accessories



Quick-Change Frame

for roof-mounted cooling units

The quick-change frame is more than just an alternate frame. Together with the seal, the lower part of the frame is screw-fastened to the enclosure. In this way, it is possible to install and remove the plug-in cooling unit with the upper part of the alternate frame previously mounted on the cooling unit with quick-release fasteners. During servicing work, this means shorter assembly times and so minimized downtime. Thanks to its integral drainage trough, the quick-change frame offers effective protection from the ingress of oil into the enclosure in oily environments.

Material:

- Carbon steel

Color:

- RAL 7035

Supply includes:

- Quick-change frame
- Seal
- Quick-release fasteners

For roof-mounted cooling units	Model No.
3359. . . /3382. . .	3286.700

Guide Frame

For Vario rack-mounted fan

Supply includes:

- Connector and fitted connection cable (3 m)
- Mounting bracket for optional attachment to the 19" (482.6 mm) design
- Assembly components

For Vario rack-mounted fan	Model No.
3350.230/3351.230/3352.230	3355.100
3352.500	3357.100

Therm Software

The Therm software package calculates all the climate control requirements. A user-friendly interface guides the operator to the most suitable, correctly dimensioned climate control component. All evaluations are closely based on the requirements of IEC/TR 60 890 AMD 1/02.95 and DIN 3168 for cooling units.

Therm is a calculation program for enclosure climate control

- Improved user guidance via tabs and simple selection menus
- Express and expert versions
- Configurator for recooling systems
- Heat loss calculator
- Internet updates
- Fast and thorough determination of climate control requirements
- Easy calculation of the required actual cooling output, as well as any upgrades or enhancements to the switchgear
- Documentation after calculation

Supply includes:

- CD-ROM, in 19 languages

Note:

- A quick version of the Therm software is available as a free app

Note:

Download from the Rittal website



RiDiag II

For the diagnosis, maintenance and long-term data capture of TopTherm units with an e-Comfort controller. RiDiag logs equipment data and prepares an error list. RiDiag also offers the option of displaying and setting the device's operating parameters. The logging of measurement data can be tracked in real time in the form of a diagram.

Supply includes:

- CD-ROM, in 6 languages
- Connection cable

Packs of	Model No.
1 pc(s).	3159.100

