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Cooling Units

Thermoelectric Cooler

Thermoelectric Cooler.....	341 BTU.....	262
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Wall-Mounted Cooling Units

TopTherm, Horizontal Format	1024 BTU	263
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TopTherm Blue e	1706 BTU	265
TopTherm Blue e	2559 BTU	266
TopTherm Blue e	3412 BTU	267
TopTherm Blue e	5118 BTU	269
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Modular Climate Control Concept

Blue e Cooling Module.....	5118/8530 BTU	284
Section Doors for Installing Cooling Modules		285



“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).



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:

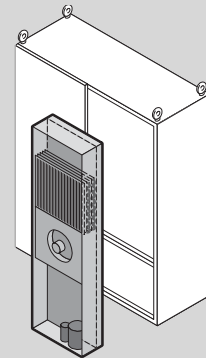
Available on the Internet

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)	

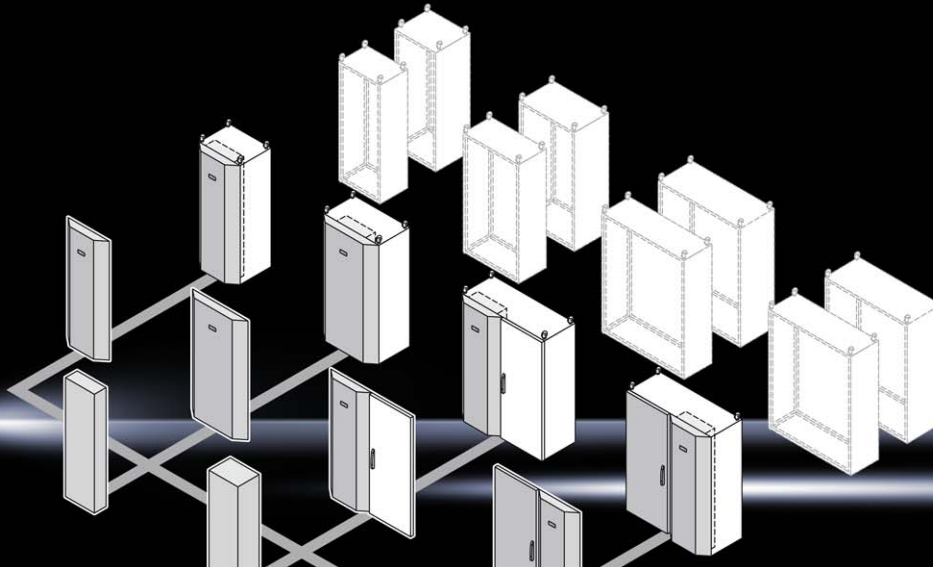
Also required

Modular Climate Control Concept - Section Doors		see page	see page	see page	see page	285
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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 pre-assembled 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