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ENCLOSURES

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Rittal – The System.

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Cooling Units

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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).



TopTherm Blue e Roof-Mounted Cooling Units



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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 _{cl} 50/60 Hz L35 L35 kW		0.27/0.31	0.27/0.32	0.27/0.32	
Rated power P _{cl} 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 (m ³ /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 _{ai} 50/60 Hz L35 L35 kW			0.33/0.43	0.33/0.43	0.33/0.43	
Rated power P _{ai} 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 (m ³ /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 _{ai} 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 _{ai} 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 (m ³ /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 _{ei} 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 _{ei} 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 (m ³ /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

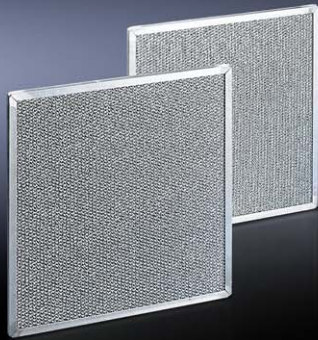
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TopTherm Blue e Roof-Mounted Cooling Units

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

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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 _{ei} 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 _{ei} 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 (m ³ /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

Accessories



Air Duct System

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