

10 Technical specifications

EN

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- Observe the mains connection data (voltage and frequency) as per the rating plate
- Observe the pre-fuse as per the specifications on the rating plate

	Unit	Model No.					
Fan-and-filter unit, RAL 7035	–	3237.100	3237.110	3237.124	3238.100	3238.110	3238.124
EMC fan-and-filter unit, RAL 7035	–	3237.600	–	–	3238.600	–	–
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)
Rated current max.	A	0.065/0.052	0.12/0.1	0.125	0.12/0.11	0.24/0.22	0.24
Power consumption	W	11/9		3	19/18		5.5
Pre-fuse T	A	2					
Dimensions							
Width (B1) x height (H1)	mm	116.5 x 116.5			148.5 x 148.5		
Required mounting cut-out (B2 x H2)	mm	92 x 92			124 x 124		
Depth (T1)	mm	16					
Max. installation depth (T2)	mm	43			58.5		
Air throughput, unimpeded airflow	m³/h	20/25		20	55/66		55
Air throughput with outlet filter including standard filter mat	m³/h	1 x 3237.200: 15/18			1 x 3238.200: 43/50		
		–			2 x 3238.200: 46/56		
Outlet filter	–	3237.200			3238.200		
EMC outlet filter	–	3237.060			3238.060		
Fan	–	Axial, self-starting shaded pole motor		Axial, DC motor	Diagonal, self-starting shaded pole motor		Diagonal, DC motor
Noise pressure level	dB (A)	38/43		38	46/49		46
Operating temperature	°C	-15...+55					
Storage temperature	°C	-30...+70					
Protection category (to IEC 60 529)	–	IP 54 standard IP 55 with hose-proof hood IP 56 with hose-proof hood			IP 54 standard IP 55 with hose-proof hood IP 56 with hose-proof hood		

Tab. 2: Technical specifications

Technical modifications reserved.

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	Unit	Model No.		
Fan-and-filter unit, RAL 7035	–	3239.100	3239.110	3239.124
EMC fan-and-filter unit, RAL 7035	–	3239.600	–	–
Rated operating voltage	V Hz	230, 1~, 50/60	115, 1~, 50/60	24 (DC)
Rated current max.	A	0.12/0.11	0.24/0.22	0.23
Power consumption	W	19/18		5.5
Pre-fuse T	A	2		
Dimensions				
Width (B1) x height (H1)	mm	204 x 204		
Required mounting cut-out (B2 x H2)	mm	177 x 177		
Depth (T1)	mm	24		
Max. installation depth (T2)	mm	90		
Air throughput, unimpeded airflow	m³/h	105/120		105
Air throughput with outlet filter including standard filter mat	m³/h	1 x 3239.200: 87/100		
		2 x 3239.200: 93/108		
		1 x 3240.200: 98/111		
Outlet filter	–	3239.200		
EMC outlet filter	–	3239.060		
Fan	–	Diagonal, self-starting shaded pole motor		Diagonal, DC motor
Noise pressure level	dB (A)	46/49		46
Operating temperature	°C	-15...+55		
Storage temperature	°C	-30...+70		
Protection category (to IEC 60 529)	–	IP 54 standard IP 55 with additional fine filter mat or hose-proof hood IP 56 with hose-proof hood		

Tab. 3: Technical specifications

Technical modifications reserved.

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	Unit	Model No.					
Fan-and-filter unit, RAL 7035	–	3240.100	3240.110	3240.124	3241.100	3241.110	3241.124
EMC fan-and-filter unit, RAL 7035	–	3240.600	–	–	3241.600	–	–
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)
Rated current max.	A	0.21/0.19	0.42/0.38	0.43	0.26/0.24	0.52/0.48	0.8
Power consumption	W	35/34		10	40/42	40/42	19
Pre-fuse T	A	2	4	2	4		2
Dimensions							
Width (B1) x height (H1)	mm	255 x 255					
Required mounting cut-out (B2 x H2)	mm	224 x 224					
Depth (T1)	mm	25					
Max. installation depth (T2)	mm	107					
Air throughput, unimpeded airflow	m³/h	180/160		180	230/250		230
Air throughput with outlet filter including standard filter mat	m³/h	1 x 3240.200: 138/121			1 x 3240.200: 183/205		
		2 x 3240.200: 165/140			2 x 3240.200: 203/230		
		1 x 3243.200: 165/140			1 x 3243.200: 203/230		
Outlet filter	–	3240.200					
EMC outlet filter	–	3240.060					
Fan	–	Diagonal, self-starting shaded pole motor		Diagonal, DC motor	Diagonal, self-starting shaded pole motor		Diagonal, DC motor
Noise pressure level	dB (A)	51/46		51	54/56		54
Operating temperature	°C	-30...+55					
Storage temperature	°C	-30...+70					
Protection category (to IEC 60 529)	–	IP 54 standard IP 55 with additional fine filter mat or hose-proof hood IP 56 with hose-proof hood					

Tab. 4: Technical specifications

Technical modifications reserved.

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	Unit	Model No.						
Fan-and-filter unit, RAL 7035	–	3243.100	3243.110	3244.100	3244.110	3244.140	3245.500	3245.510
EMC fan-and-filter unit, RAL 7035	–	3243.600	–	3244.600	–	–	3245.600	–
Rated operating voltage	V Hz	230, 1~, 50/60	115, 1~, 50/60	230, 1~, 50/60	115, 1~, 50/60	400/460, 3~, 50/60	200...240 1~, 50/60	100...130 1~, 50/60
Rated current max.	A	0.37/0.39	0.78/0.8	0.43/0.6	0.9/1.25	0.17/0.21	1.33	2.1
Power consumption	W	70/87	75/90	95/135	100/145	93/140	165	165
Pre-fuse T	A	4	6	4	6	Motor circuit-breaker	4	6
Dimensions								
Width (B1) x height (H1)	mm	323 x 323						
Required mounting cut-out (B2 x H2)	mm	292 x 292						
Depth (T1)	mm	25						
Max. installation depth (T2)	mm	118.5		130.5			130.5	
Air throughput, unimpeded airflow	m³/h	550/600		700/770			900	
Air throughput with outlet filter including stand-ard filter mat	m³/h	1 x 3243.200: 465/510 2 x 3243.200: 508/548		1 x 3243.200: 544/587 2 x 3243.200: 614/662			1 x 3243.200: 680 2 x 3243.200: 820	
Outlet filter	–	3243.200						
EMC outlet filter	–	3243.060						
Fan	–	Diagonal, capacitor motor				Diagonal, rotary current motor	Diagonal, EC motor	
Noise pressure level	dB (A)	59/61		65/66		67/70	72	
Operating temperature	°C	-30...+55						
Storage temperature	°C	-30...+70						
Protection category (to IEC 60 529)	–	IP 54 standard IP 55 with additional fine filter mat or hose-proof hood IP 56 with hose-proof hood					IP 51 standard IP 52 with additional fine filter mat IP 56 with hose-proof hood	

Tab. 5: Technical specifications

Technical modifications reserved.

11 Cut-out/drilling dimensions

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11 Cut-out/drilling dimensions

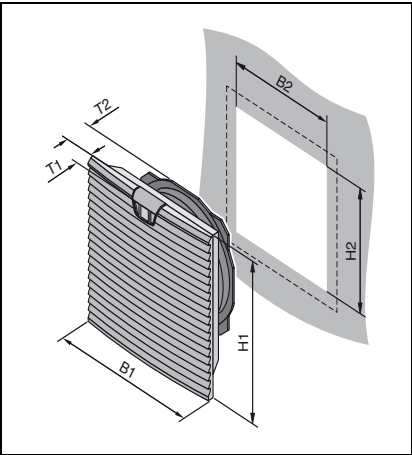


Fig. 8: Cut-out dimensions

B = Width, T= Depth



Note:
From a certain wall thickness, a slightly larger cut-out is required (see the enclosed drilling template).

Model No.	B2 x H2 mm	T2 mm
3237.xxx	92 x 92	43
3238.xxx	124 x 124	58.5
3239.xxx	177 x 177	90
3240.xxx	224 x 224	107
3241.xxx	224 x 224	107
3243.xxx	292 x 292	118.5
3244.xxx	292 x 292	130.5
3245.xxx	292 x 292	130.5

Tab. 6: Cut-out dimensions

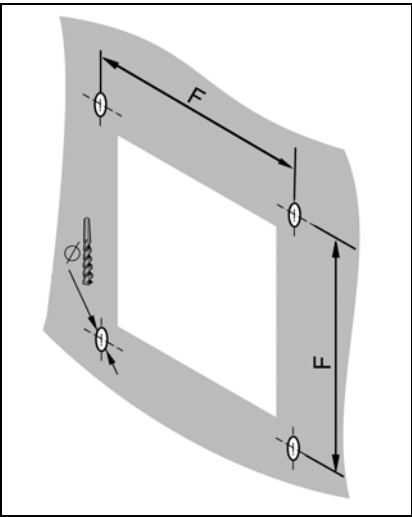


Fig. 9: Drilling pattern

Model No.	Ø mm	F mm
3237.xxx	3.5	100.5
3238.xxx	3.5	132.5
3239.xxx	4.5	185
3240.xxx	4.5	234
3241.xxx	4.5	234
3243.xxx	4.5	302
3244.xxx	4.5	302
3245.xxx	4.5	302

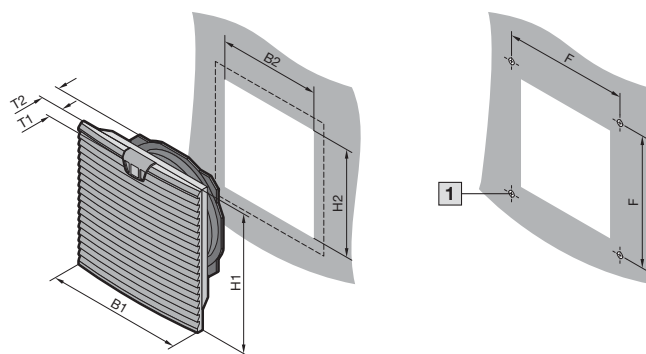
Tab. 7: Drilling dimensions

Climate control

Cooling with ambient air

TopTherm fan-and-filter units

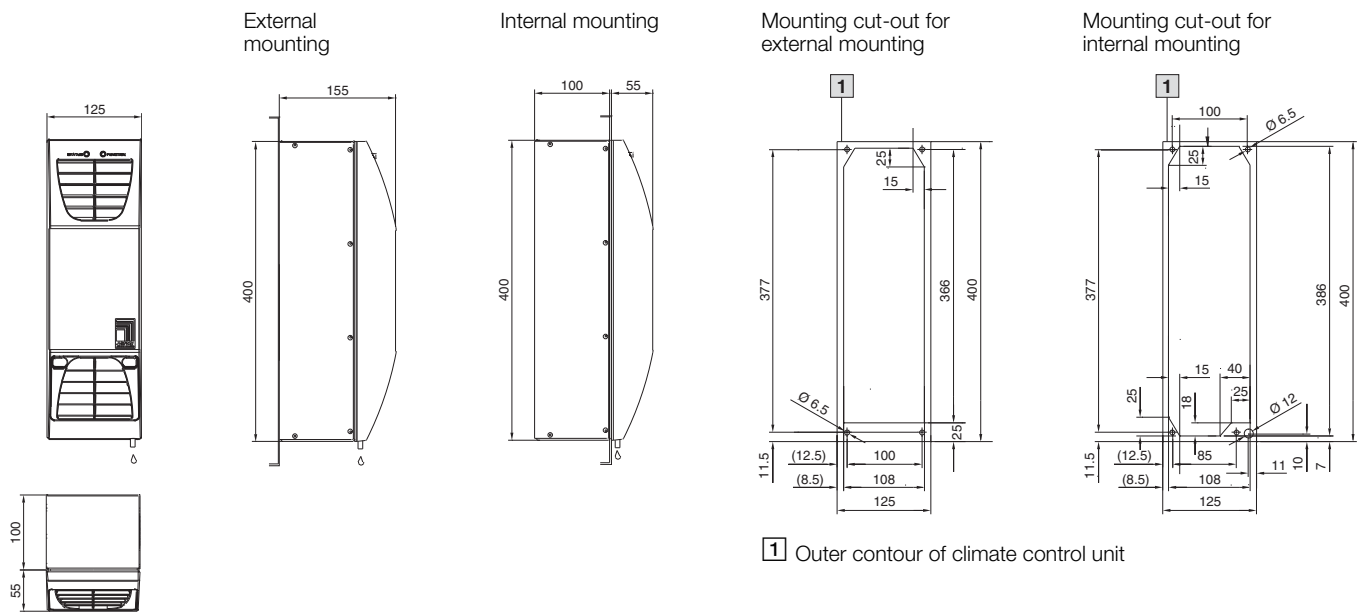
Model No. SK	Dimensions of mounting cut-out mm		Hole size	
	B2	H2	1 Ø mm	F mm
3237.100	92	92	3.5	100.5
3237.600				
3237.110				
3237.124				
3238.100	124	124	3.5	132.5
3238.500				
3238.600				
3238.110				
3238.124	177	177	4.5	185
3239.100				
3239.500				
3239.600				
3239.110	224	224	4.5	234
3239.124				
3240.100				
3240.500				
3240.600	292	292	4.5	302
3240.110				
3240.124				
3241.100				
3241.500	292	292	4.5	302
3241.600				
3241.110				
3241.124				
3243.100	292	292	4.5	302
3243.500				
3243.600				
3243.110				
3244.100	292	292	4.5	302
3244.500				
3244.600				
3244.110				
3244.140	292	292	4.5	302
3245.500				
3245.600				
3245.510				



Climate control

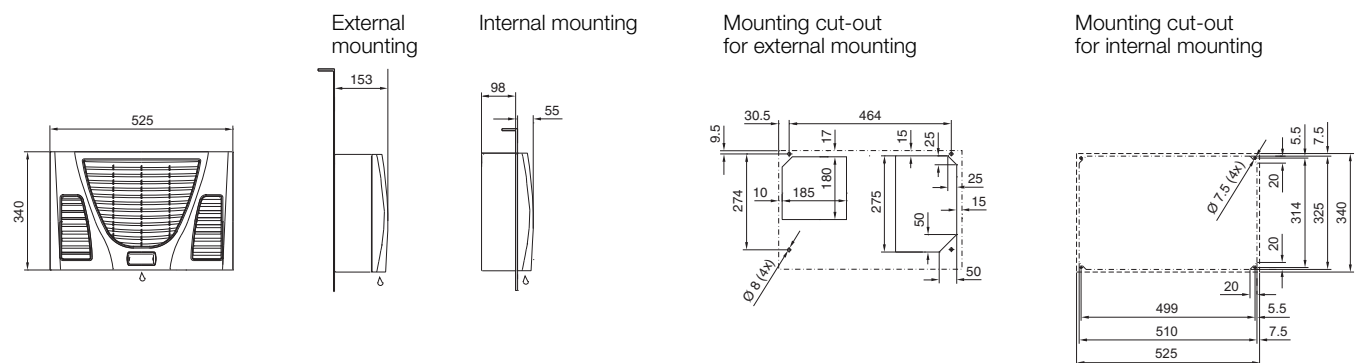
Cooling units

Thermoelectric coolers

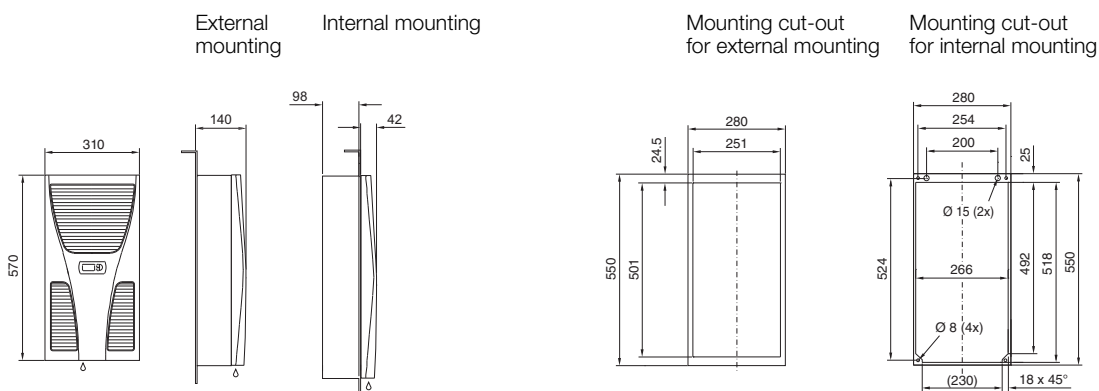


Wall-mounted cooling units

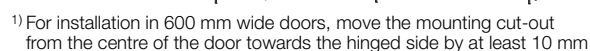
TopTherm, horizontal format



TopTherm, SK 3302.XXX



TopTherm Blue e, SK 3303.XXX, SK 3361.XXX

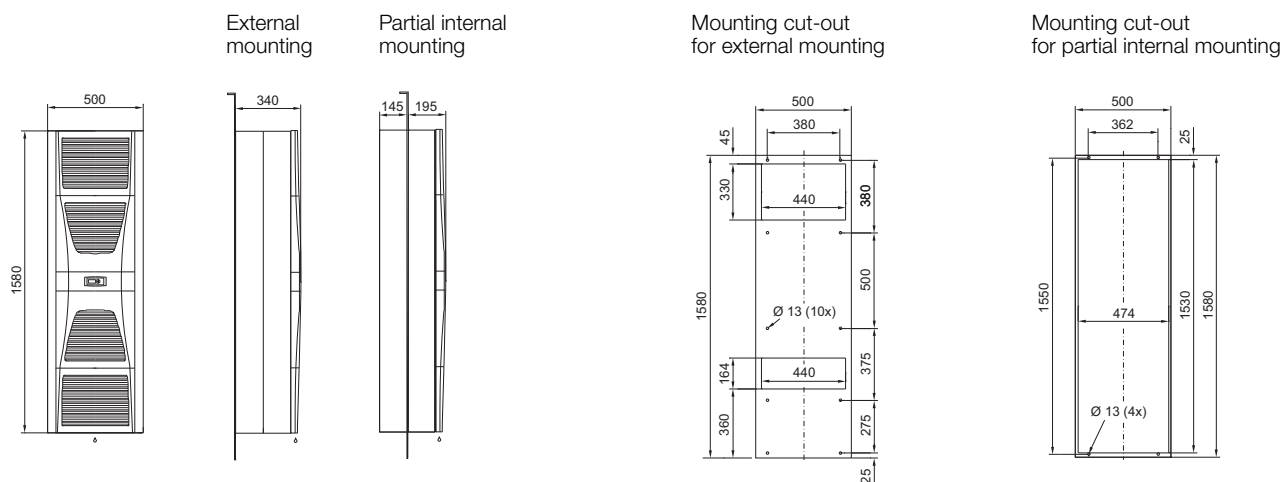


Climate control

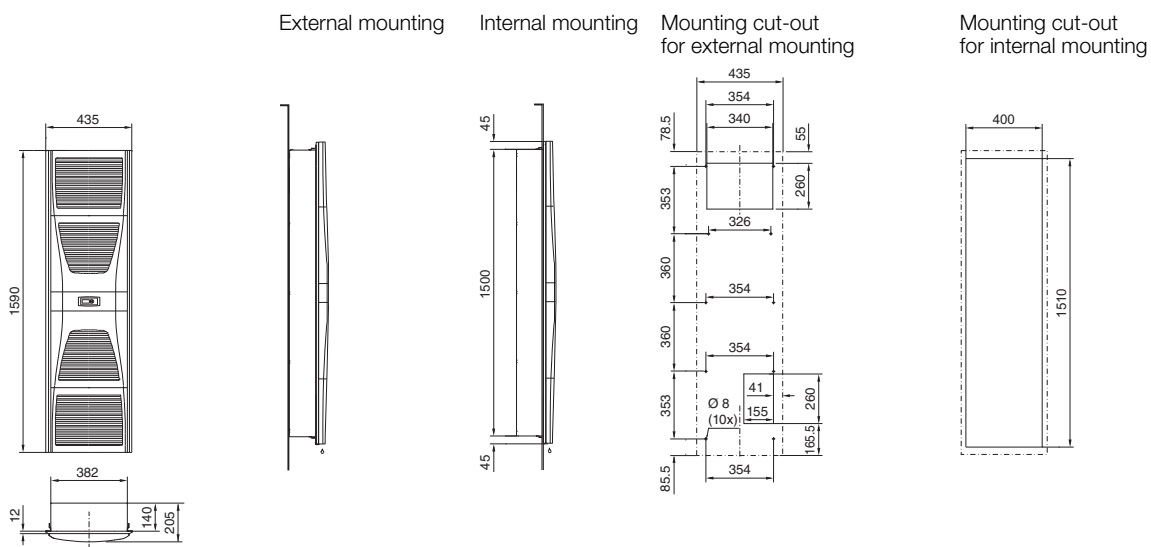
Cooling units

Wall-mounted cooling units

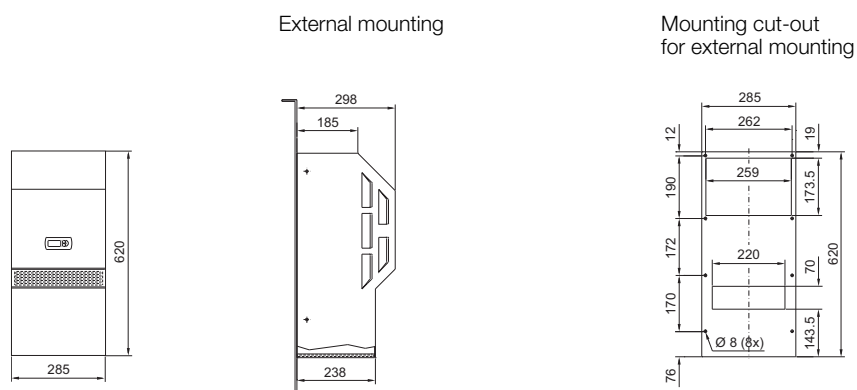
TopTherm Blue e, SK 3332.XXX



TopTherm Blue e, slimline, SK 3366.XXX



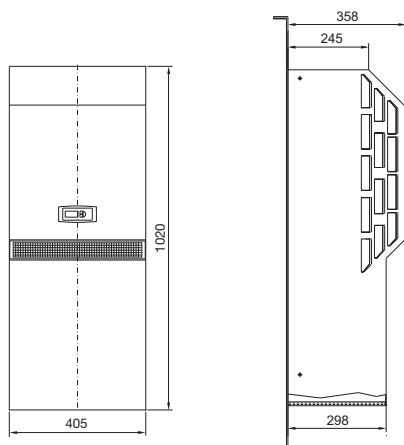
TopTherm Blue e, design NEMA 4X, SK 3303.XXX



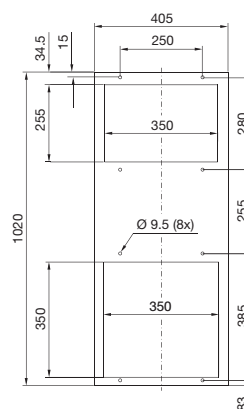
Wall-mounted cooling units

TopTherm Blue e, design NEMA 4X, SK 3304.XXX, SK 3305.XXX

External mounting

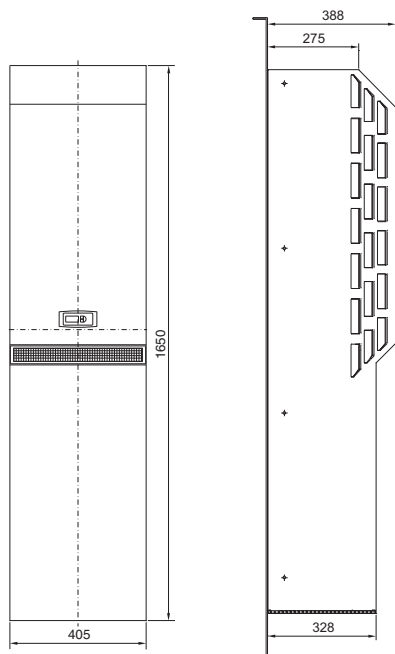


Mounting cut-out for external mounting



TopTherm Blue e, design NEMA 4X, SK 3328.XXX, SK 3329.XXX

External mounting



Mounting cut-out for external mounting

