Ex d Cabinet / Empty Enclosure EXpressure

Series 8280 Flameproof Enclosure, made of Stainless Steel

- Cost savings thanks to low weight and small installation area
- Easily adapted should there be any changes to an order
- More installation space thanks to a large installation volume
- Compact and flexible machinery and system design
- More control functions available
- Shorter planning and project turnaround times
- Low operating and maintenance costs
- Higher system availability and increased productivity

WebCode 8280A

The new EXpressure technology safely dissipates explosion pressure in cabinets, control boxes and other enclosures via flow channels. As a result, the lightweight and compact EXpressure enclosure, manufactured in accordance with industrial cabinet dimensions with a control panel made from industrial components, can be positioned as close as possible to the process for zones 1 and 2.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•			

Selection Table

Material Cover mounting		Stainless steel Screws			
Inner dimensions (WxHxD)	Hinge	volume	Product Type	Art. No.	Weight kg
300 x 400 x 200 mm	without	24 dm³	8280/.-20-2.11-1	264241	37.000
400 x 600 x 300 mm	with	72 dm³	8280/.-31-2.11-1	263860	79.000
600 x 800 x 400 mm	with	192 dm³	8280/.-41-2.11-1	263859	153.000
1000 x 1400 x 700 mm	with	980 dm³	8280/.-62-2.11-2	264577	551.000
1000 x 1400 x 700 mm	with	980 dm³	8280/.-62-2.21-2	267378	590.000

Ex d cabinet with base plate, without built-in components

Technical Data

Explosion Protection	
IECEx gas explosion protection	8280/0: Ex db sb IIB Gb 8280/5: Ex db eb ia [ia Ga] ib [ib Gb] mb op pr [op is] sb IIB T5...T3 Gb
ATEX gas explosion protection	8280/0: Ⓔx II 2 G Ex db sb IIB Gb 8280/5: Ⓔx II 2 G Ex db eb ia [ia Ga] ib [ib Gb] mb op pr [op is] IIB T5...T3 Gb
Certificates	ATEX (BVS), ATEX (PTB), IECEx (BVS), IECEx (PTB)
Notes	Product label may vary. Series devices have certification according to ATEX and IECEx.
Electrical Data	
Rated operational voltage AC	11 kV
Rated operational current	1250 A (T3)
Ambient Conditions	
Ambient temperature Ta	-40 °C ≤ Ta ≤ +60 °C

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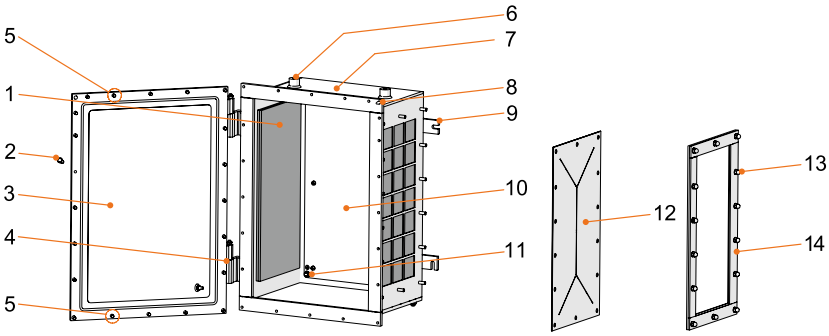
Technical Data

Mechanical Data	
Degree of protection (IP)	IP66
Cover seal	Silicone
Connection cross-section max.	300 mm²
Protective conductor connection size	M6
Protective conductor connection labelling	Internal/external on enclosure

Wall mounting:	only using mounting brackets
Stand variant:	only for enclosures size 62 (only possible without connection chamber)

Technical Drawings – Subject to Alterations

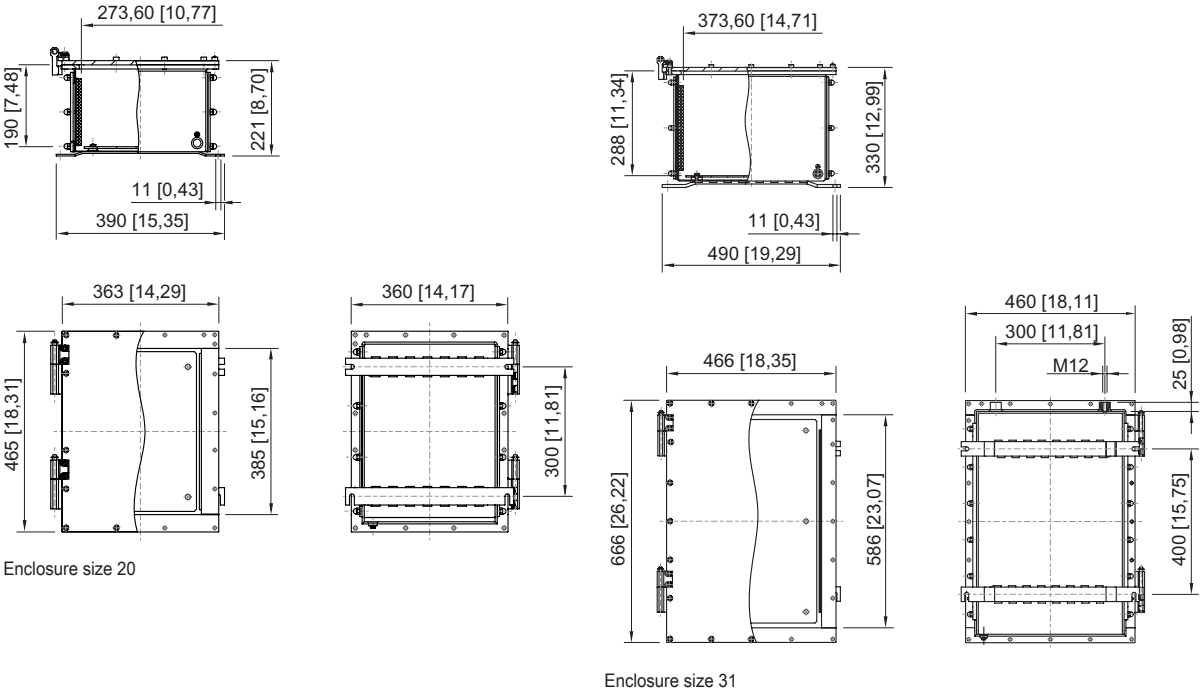


1 = Grid 2 = Cover screw 3 = Enclosure cover
4 = Hinge 5 = Mounting point for retaining lug
6 = Mounting point for transport lug 7 = Enclosure
8 = Positioning pin 9 = Fastening clip
10 = Base plate
11 = Inner earth connection for base plate
12 = Rupture disk 13 = Cap nut 14 = Frame

Accessories

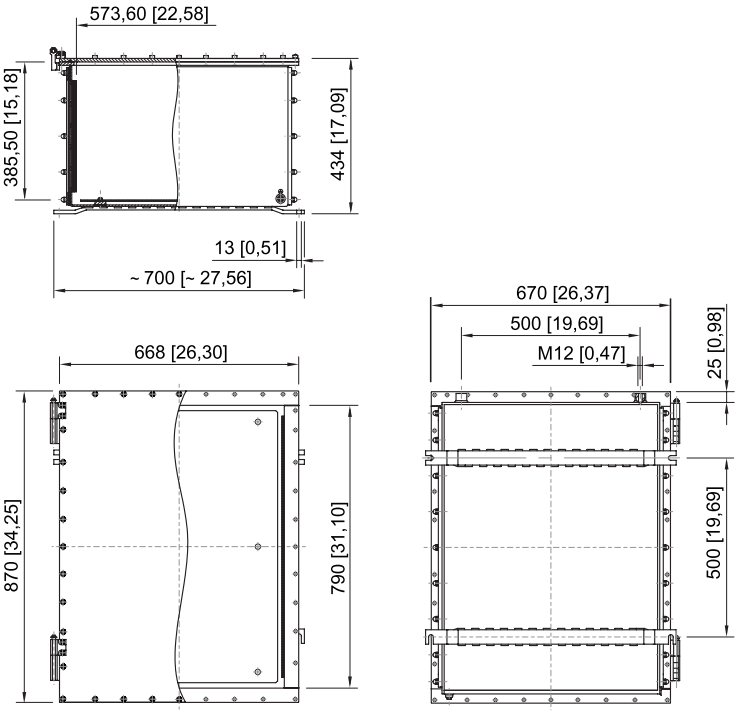
Figure	Description	Art. No.	Weight kg
Retaining / transport lugs (contains 2 pieces)			
	M10, stainless steel, thread length = 8 mm, for cover size 20, 31, 41 Packaging unit: 2 pieces	268425	–
	M12, stainless steel, thread length = 20.5 mm, for enclosure size 31, 41 Packaging unit: 2 pieces	268670	–
	M14, stainless steel, thread length = 10 mm, for cover size 62 Packaging unit: 2 pieces	268427	0.480
	M20, stainless steel, thread length = 30 mm, for enclosure size 62 Packaging unit: 2 pieces	268669	1.800

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



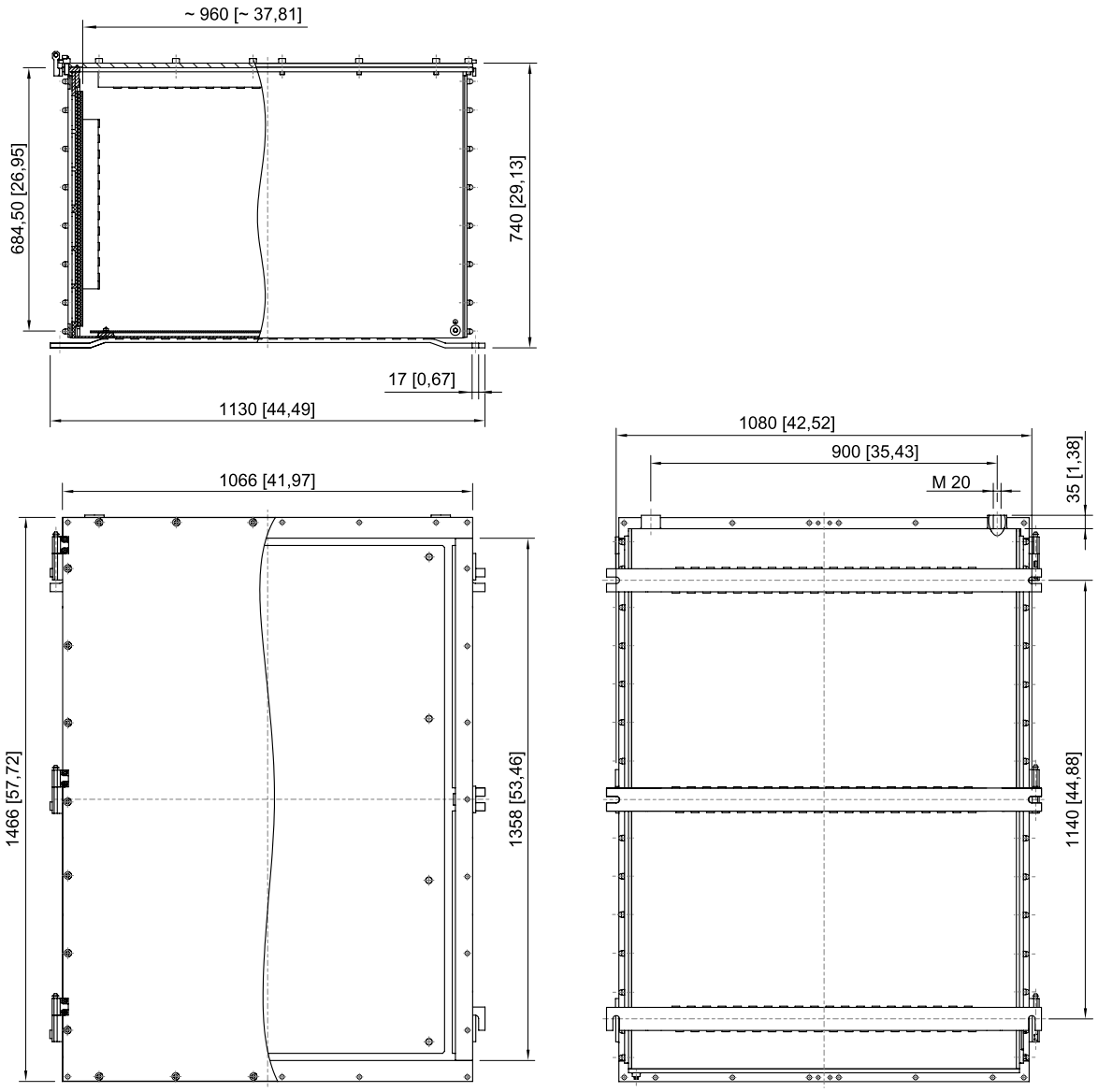
Enclosure size 20

Enclosure size 31

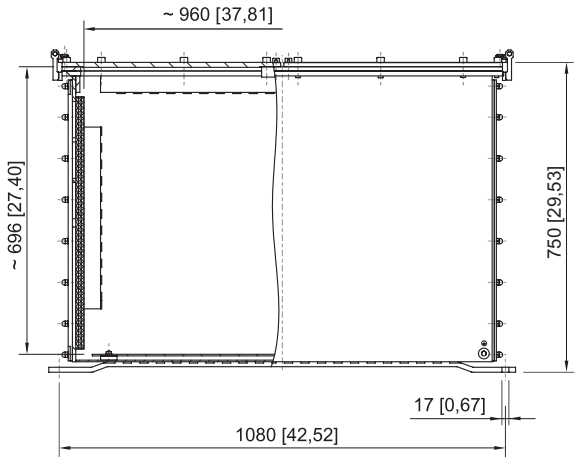


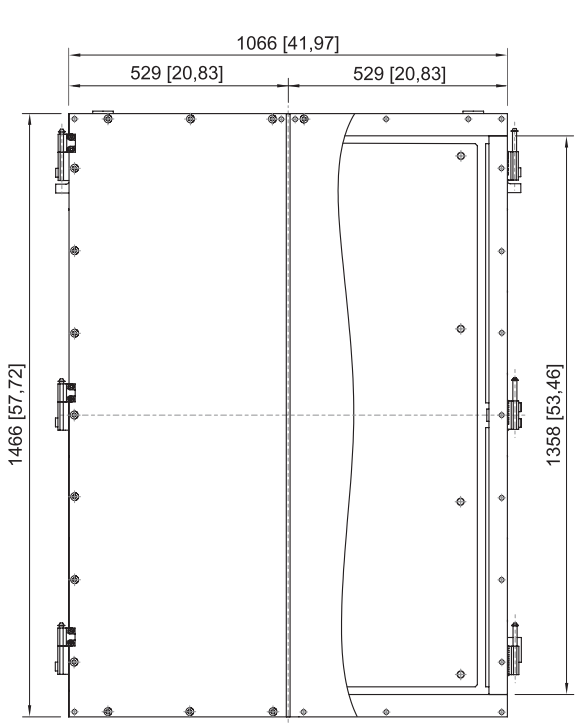
Enclosure size 41

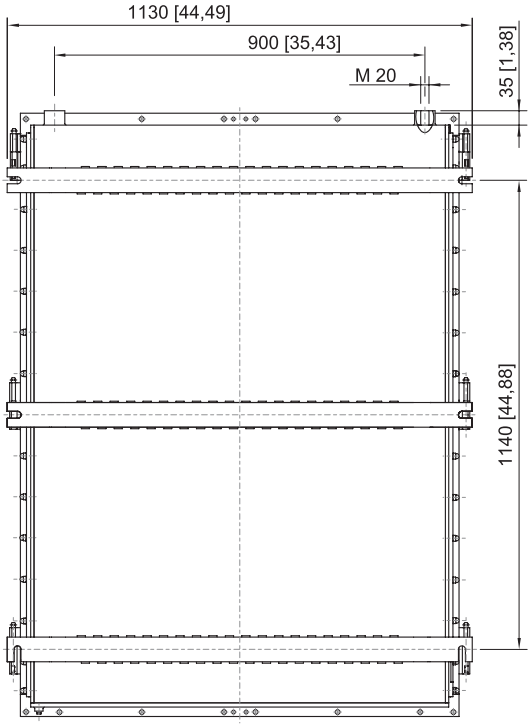
E3



Enclosure size 62
with 1 cover

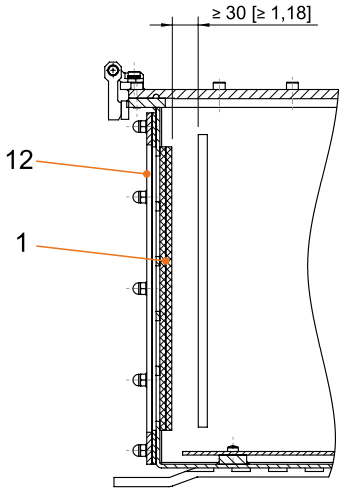






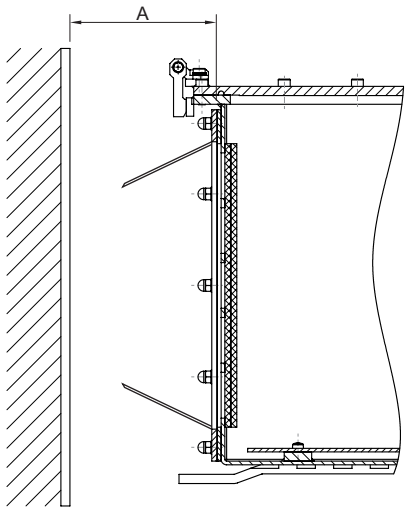
Enclosure size 62
with 2 covers

E3



Mounting distance (inner) to the grid

1 = Grid
12 = Rupture disk



A = Mounting distance (outer) to other fixed objects

Enclosure size 20:	A = 134 mm [5.28]
Enclosure size 31:	A = 100 mm [3.94]
Enclosure size 41:	A = 162 mm [6.38]
Enclosure size 62:	A = 300 mm [11.81]