



Lined with an additional inner layer for increased protection of the unit in case of fire

Fire
Resistance
90 Min.



Smoke
Protection
min leakage



Material
+ Decor
A2 Class



PRIOELEC ESL91plus

Free-Standing Electrical Cabinets

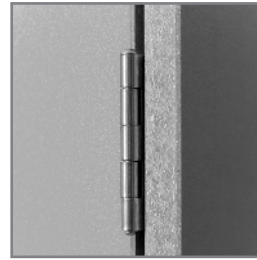
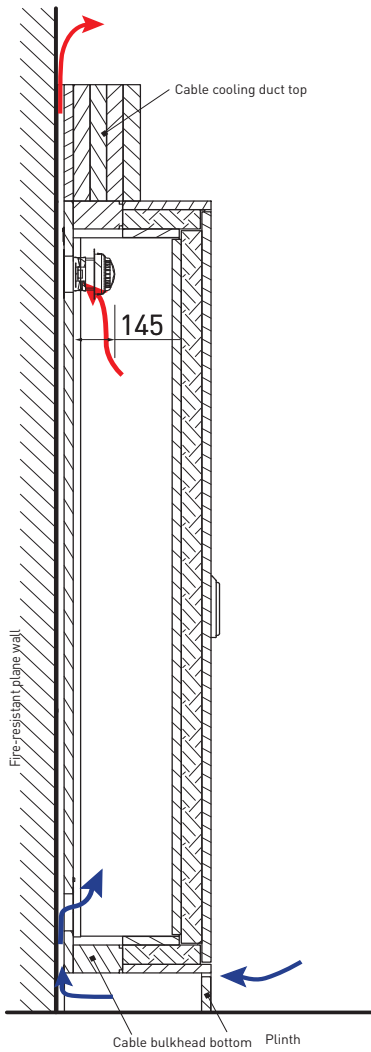
Fire-resistant floor-standing fire protection enclosure for housing electrical safety equipment required by building regulations. The enclosure offers a fire resistance of 90 minutes and is made of non-combustible fire protection panels of class A2 - s1, d0.

Proof of functional integrity must be provided in accordance with MLAR.

Function

- Fire resistance 90 minutes, fire resistant
- Suitable for function maintenance up to 90 minutes*.
- Protection class: IP 44
- Protection class II

* Depending on the fixtures and their arrangement.



- Removable stainless steel door hinges



- Integrated fan unit with smoke alarm



- Housing accessible from all sides and with removable front panel

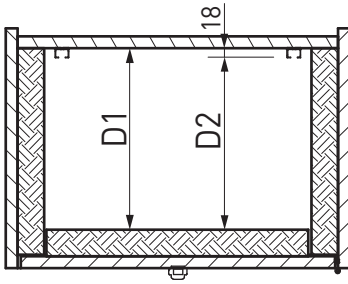
Construction

- Empty housing with high mechanical resistance
- Integrated ventilation system, consisting of fan and smoke detector, installed ready for connection (230 V AC)
- Cold smoke-tight locking system via smoke detector
- Door hinges made of stainless steel
- Door can be unhinged
- Door folds into the carcass, opening angle approx. 180°.
- 2-point door locking via swivelling lever with double-bit cylinder (exchangeable with house locking system)
- All-round fire protection seal, foams up automatically in case of fire foaming up
- Cable entry at top + bottom
- Cable cooling duct
- Fixing rail for mounting the equipment support or mounting plate
- Enclosure secured against tipping over by fastening lugs at top
- Integrated plinth can be lowered, with removable front panel

Material characteristic

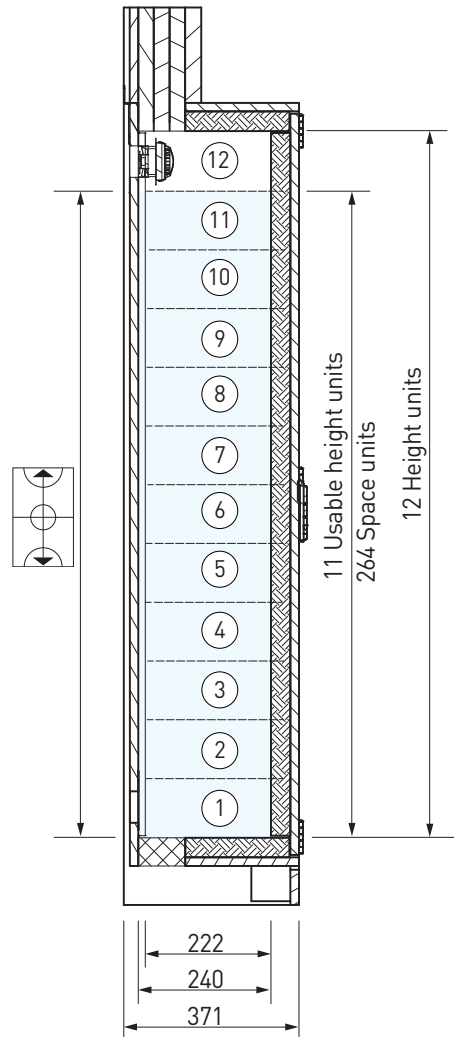
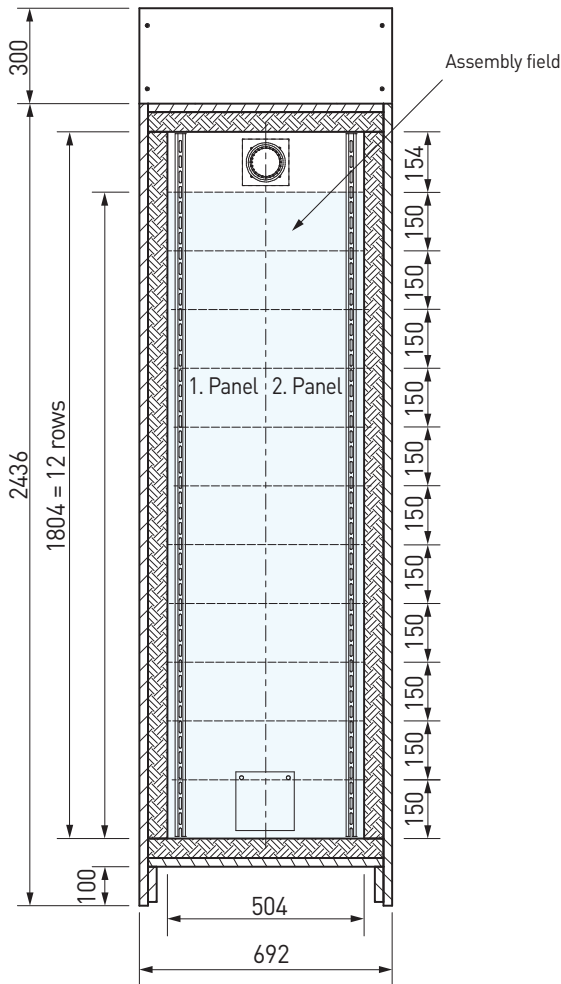
- Non-combustible board with surface coating, classification A2 – s1, d0
- Standard CPL surface
- Colour light grey, similar to RAL 7035, edges and bevels in different colour

Effective internal depth

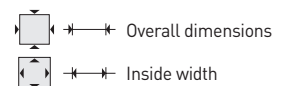


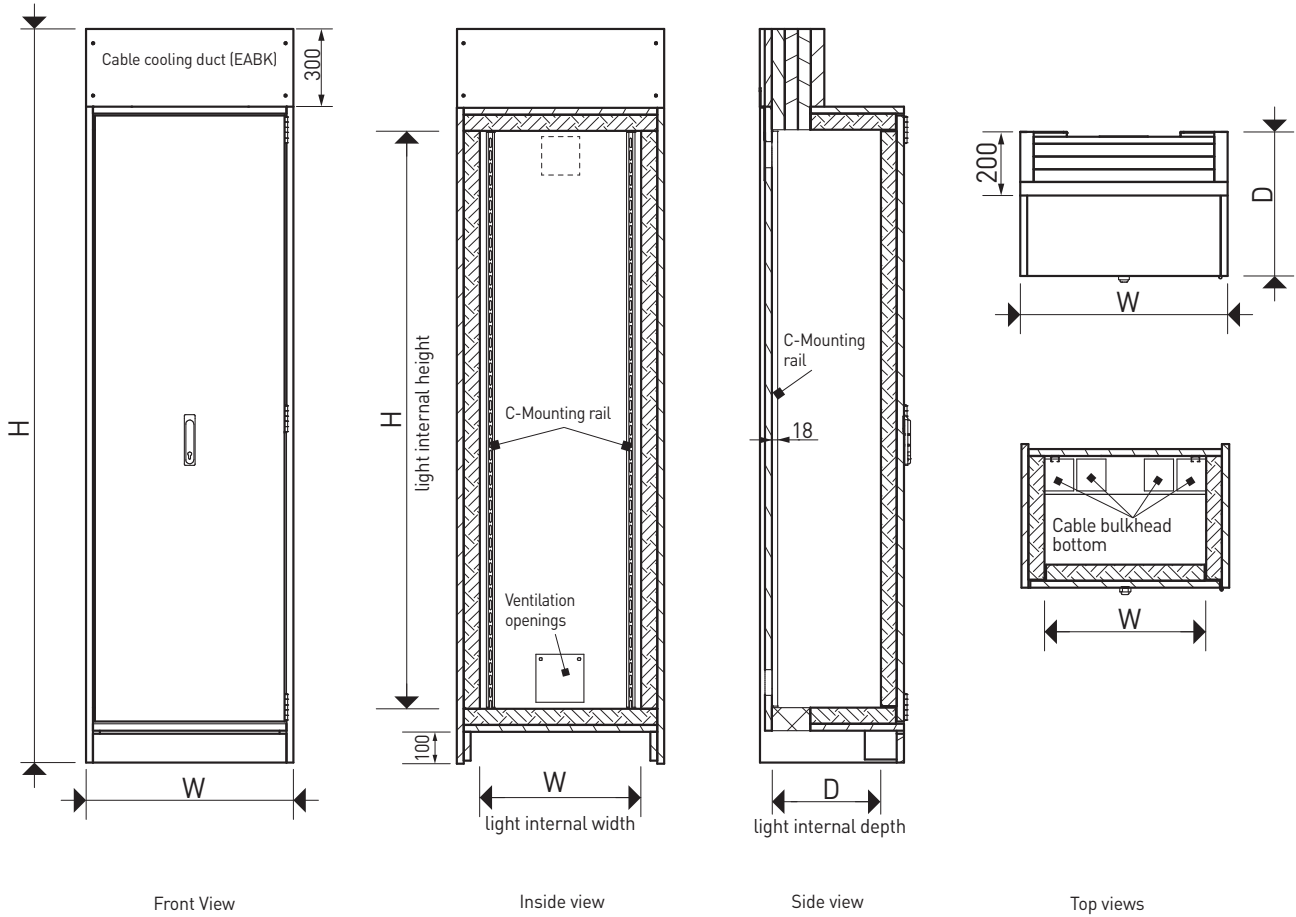
Interior depth cabinet D1 mm	Effective internal depth D2 mm
240	222
440	422

Standard cabinet ESL91plus



Useful interior space based on the example of an PRIOELEC ESL91.12224-S





Art.								
x = DIN 1	H x B x T mm	H x B x T mm	kg	$P_{Vmax} = W$	DIN = x			

Fire resistance 90 minutes

Single-leaf, Interior depth 240 mm

ESL91.12224-S-x	2436 x 692 x 371	1804 x 504 x 240	318	118	L/R	11 (12)	2	264
ESL91.12324-S-x	2436 x 942 x 371	1804 x 754 x 240	401	131	L/R	11 (12)	3	396
ESL91.13224-S-x	2522 x 692 x 371	1954 x 504 x 240	338	120	L/R	12 (13)	2	288
ESL91.13324-S-x	2522 x 942 x 371	1954 x 754 x 240	425	135	L/R	12 (13)	3	432

Single-leaf, Interior depth 440 mm

ESL91.12244-S-x	2436 x 692 x 571	1804 x 504 x 440	444	142	L/R	11 (12)	2	264
ESL91.12344-S-x	2436 x 942 x 571	1804 x 754 x 440	515	187	L/R	11 (12)	3	396
ESL91.13344-S-x	2522 x 942 x 571	1954 x 754 x 440	544	202	L/R	12 (13)	3	432

P_{Vmax} Recommended approximate values for the assembly and installation of a fire-resistant wall. A „derating“ of the electrical equipment must be taken into account. Compliance must be ensured with temperature rise limits in accordance with the applicable DIN EN 61439-1.

Power dissipation in normal operation at $\Delta T = 13 K$ (inside 35°C, outside 22°C), with on-site fan