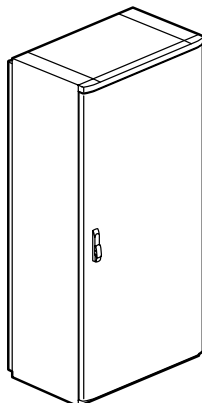


Marina enclosures

Cat. Nos: 362 85/86/87



CONTENTS

Page

1. General characteristics	1
2. Range	1
3. Technical characteristics	1-2
4. Dimensions	2-3
5. Equipment	3-4
6. Accessories	4-5

1. GENERAL CHARACTERISTICS

Grey polyester enclosures RAL 7035, IP 66 according to IEC EN 60529 - IK 10 according to IEC EN 62262 (EN 50102) - Class II, particularly suited to corrosive atmospheres.
Reinforced protection with roof.
Enclosure fixes to the ground with plinth Cat. No. 362 96.

2. RANGE

Cat. No.	Exterior dimensions			Metal enclosure equivalents		
	Height (mm)	Width (mm)	Depth (mm)	Height (mm)	Width (mm)	Depth (mm)
362 85	1460	800	463	1400	800	400
362 86	1660	800	463	1600	800	400
362 87	1860	800	463	1800	800	400

3. TECHNICAL CHARACTERISTICS

3.1 Structure

- Polyester resin RAL 7035 reinforced with glass fibre (SMC), hot polymerized,
- one-piece body, with glued base and a protective overhanging strip on the upper front edge,
- openings in the lower part, delivered with cable entry plates,
- reversible door equipped with cable holder and stainless steel hinges and pins,
- seal 16 x 10 EPDM,
- opening 180°,
- three-point closure with handle equipped with a European half-cylinder lock 2433 A,
- delivered with mounting kit for total plates or sectioned uprights,
- equipment depth adjustment.

3.2 Protection ratings, insulation class

- IP 66 according to IEC EN 60529:
fully protected against dust and fully protected against jets of water of similar force to heavy seas,
- IK 10 according to IEC EN 62262:
protected against mechanical impacts with an energy of 20 joules,
- complies with the standard IEC EN 62208,
- class II: allows construction of totally insulated assemblies according to IEC EN 60439-1.
except with lifting rings.

3.3 Mechanical resistance

- Max. load: 500 Kg / m³,
- Max. load on door: 25 Kg.

3. TECHNICAL CHARACTERISTICS (cont.)

3.4 Resistance to climatic conditions

- Operating temperature: - 40° C to + 85° C (+ 100° C peak),
- salt mist according to ISO 9227 (NSS test) and IEC EN 60068-2-11 (Ka test): 1500 hours,
- sulphur dioxide (SO₂) with condensation according to ISO 6988: 500 hours,
- ultraviolet (UV) resistance: exposure of 240 hours according to EN ISO 4892-2 (method A) with ΔE < 2.5 (colorimetric variation).

3.5 Fire behaviour

- Resistance to glow wire according to IEC EN 60695-2-11: 960°C,
- Limiting oxygen index (LOI) according to EN ISO 4589 / ASTM D 2863: 22 %,
- halogen free.

3.6 Resistance to chemical agents

Resistance at ambient temperature to risk of exposure by spraying.

- ++ : Excellent resistance (continuous exposure)
- + : Good resistance (prolonged exposure)
- : Limited resistance (temporary exposure possible)
- : Low resistance (avoid exposure).

Aqueous solutions	Cold water	++
	Hot water	+
	Steam	-
	5% salt water	+
	Hydrogen peroxide	-
	Water + detergent	+
	Water + surfactants	+
	Formaldehyde	-
Alcohols	Ethanol	+
	Methanol	+
	Propyl alcohol	+
	Butyl alcohol	+
Phenols		-
Cresols		-

3. TECHNICAL CHARACTERISTICS (cont.)**3.6 Resistance to chemical agents** (cont.)

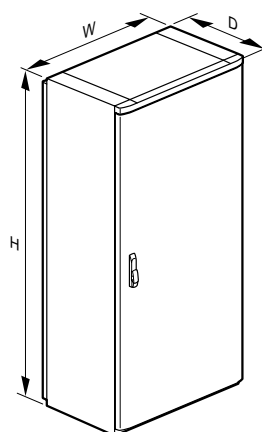
Alkaline compounds	Ammonia		+
	Sodium hydroxide (caustic soda)		+
	Sodium hypochlorite (12% bleach)		+
	Potassium hydroxide (potash)		+
Strong oxidising acids	Concentrated acetic acid		+
	5% nitric acid		+
	30% sulphuric acid		+
	30% hydrochloric acid		+
	70% perchloric acid		++
	70% Hydrofluoric acid		--
	50% chromic acid		-
	30% Phosphoric acid		+
Weak acids	Diluted acetic acid <25%		+
	Citric acid		++
	Lactic acid		++
	Formic acid		+
	Uric acid		+
Oils and greases	Animal origin	Lard	++
		Butter, cream	++
	Vegetable origin	Linseed oil	++
		Peanut / Olive	++
		Castor oil	++
		Glycerine	+
	Mineral origin	Paraffin (Vaseline)	++
		Vehicle motor oil	+
		Silicone oils	++
		Cutting oils	++
		Hydraulic oils	+
Hydrocarbons	Unleaded petrol		+
	Diesel		++
	Kerosene		++
	White spirit		++
Chlorinated solvents	Trichloroethylene		--
	Trichloroethane		-
	Perchloroethylene		--
	Methylene chloride		--
	Carbon tetrachloride		--
	Chloroform		-

3. TECHNICAL CHARACTERISTICS (cont.)**3.6 Resistance to chemical agents** (cont.)

Aromatized solvents	Benzene	+
	Toluene	-
	Xylene	+
Aliphatic solvents	Hexane	++
	Heptane	++
Fluorinated solvents	Trichlorofluoromethane	--
Ketones	Acetone	-
	Methyl ethyl ketone	-
	Ethyl acetate	-
Terpenes	Turpentine	-

3.7 Painting aptitude

After sanding with abrasive paper (grain 400 to 600) and degreasing, Marina enclosures can be painted with a two-part polyurethane paint. The application of a primer coat allows the use of any type of paint.

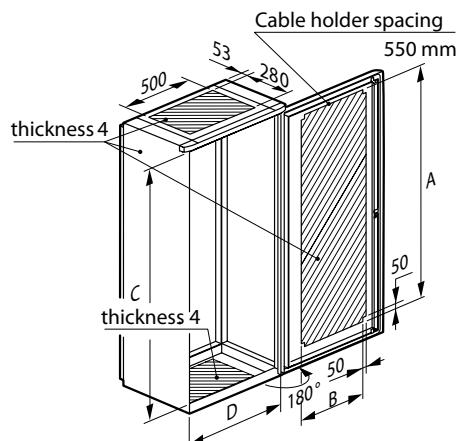
4. DIMENSIONS**4.1 Overall dimensions / Weight**

Cat. No.	Overall dimensions H x W x D (mm)	Weight (Kg)
362 85	1460 x 800 x 463 ⁽¹⁾	49
362 86	1660 x 800 x 463 ⁽¹⁾	53
362 87	1860 x 800 x 463 ⁽¹⁾	57

⁽¹⁾ 487 with handle

4. DIMENSIONS (cont.)

4.2 Useable dimensions



Cat. No.	Useable dimensions (mm)			
	A	B	C	D
362 85	1230	530	1300	700
362 86	1430	530	1500	700
362 87	1630	530	1700	700

4.3 Equipment fixing

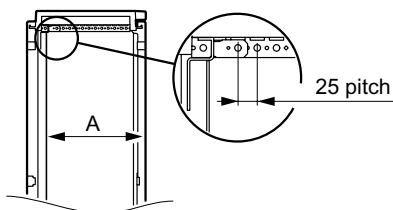


Plate (mm)		Partial plate (mm)		Chassis with rail (mm)	
A max.	A min.	A max.	A min.	A max.	A min.
379	109	359	84	372	97

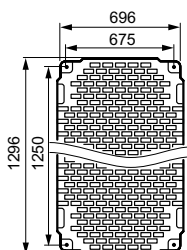
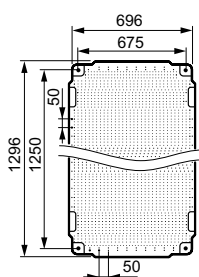
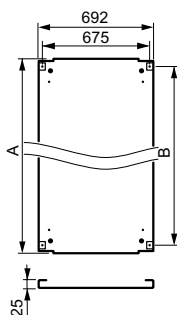
5. EQUIPMENT

5.1 Lina 12.5 plain plates and Lina 25 perforated plates

Plain plate

Lina 12.5 plate
Cat. No. 346 08

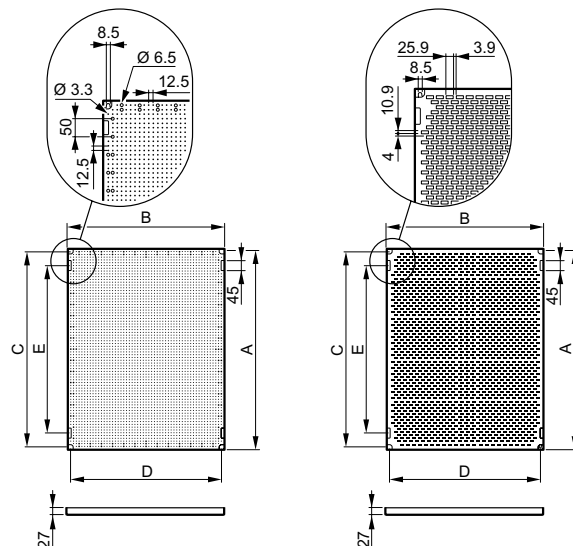
Lina 12.5
perforated plate
Cat. No. 346 09



Enclosure height (mm)	Plain	
	A	B
1400	1292	1225
1600	1492	1425
1800	1692	1625

5. EQUIPMENT

5.2 Lina 12.5 partial plates and Lina 25 perforated plates

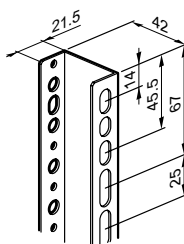


Dimensions enclosures H x W	Lina 12.5 partial plates and Lina 25 perforated plates					
	A	B	C	D	E	Area (dm ²)
800 x 800	703	703	675	675	550	49
1000 x 1000	903	903	875	875	750	82

5.3 Choice of plates

Plates	Enclosures H. 1400 mm	Enclosures H. 1600 mm	Armoires H. 1800 mm
Plain	349 59	349 50	344 18
Lina 12.5	346 08	2 x 481 40 + uprights 363 91	481 43 + 481 40 + uprights 363 92
Lina 25 perforated	346 09	2 x 474 90 + uprights 363 91	474 90 + 474 95 + uprights 363 92

5.4 Sectioned uprights

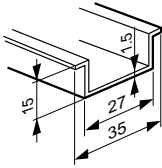


Cat. No.	Height (mm)	Length (mm)
363 90	1400	1284
363 91	1600	1484
363 92	1800	1684

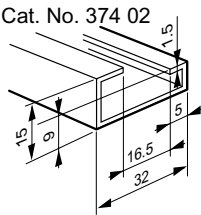
5. EQUIPMENT (cont.)

5.5 Rails

Cat. No. 477 28



Cat. No. 374 02



Length 2m for cutting

5.6 Lifting

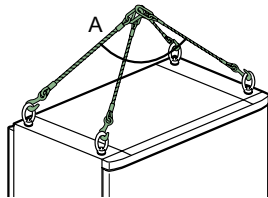
Cat. No. 362 46



Indicative lifting method

4 slings 500 kg + 4 rings

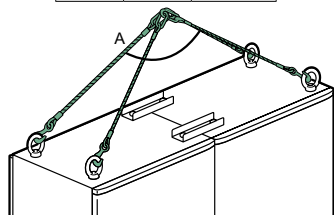
A	120°	250 kg
	90°	300 kg
	60°	300 kg



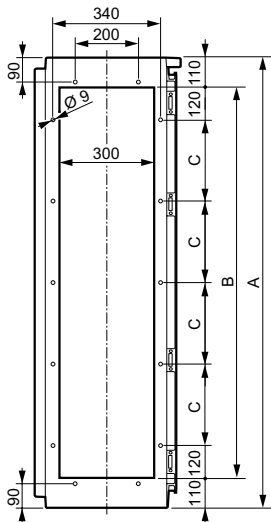
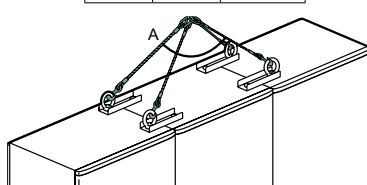
Set of four M14 lifting rings, max load of 500 kg/m³

5.6 Assembly kit (Cat. No. 362 48) and lifting kit (Cat. No. 362 46)

A	120°	500 kg
	90°	600 kg
	60°	600 kg



A	90°	800 kg
	60°	900 kg

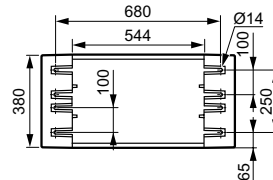
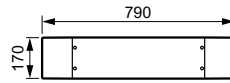


Enclosure Cat. Nos	Enclosure dimensions (mm)	Dimensions (mm)		
		A	B	C
362 85	1400 x 800 x 400	1460	1240	250
362 86	1600 x 800 x 400	1660	1440	300
362 87	1800 x 800 x 400	1860	1640	350

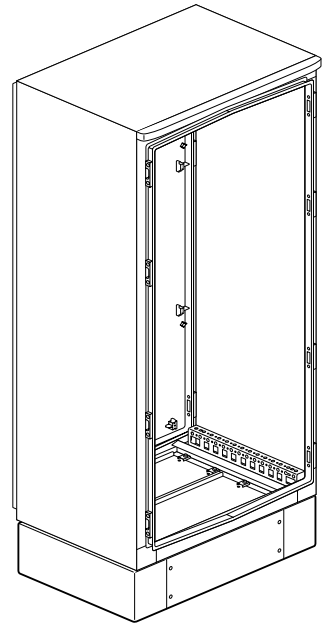
6. ACCESSORIES

6.1 Plinth

Cat. No. 362 96

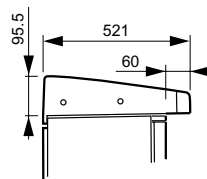
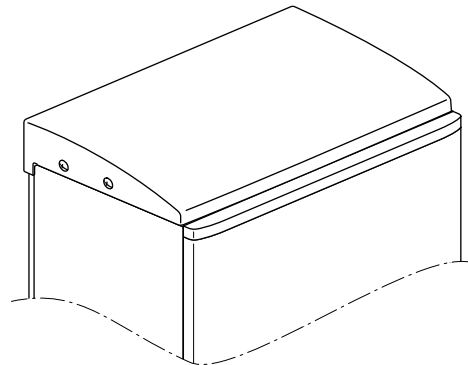


Weight: 7 kg



6.2 Roof

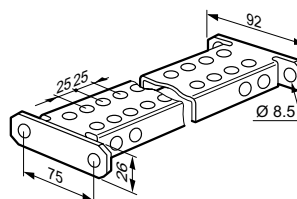
Cat. No. 362 97



Width: 794 mm

Weight: 2.5 kg

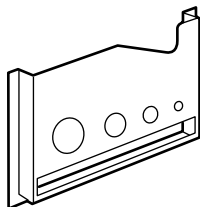
6.3 Supports for heavy loads Cat. No. 347 43



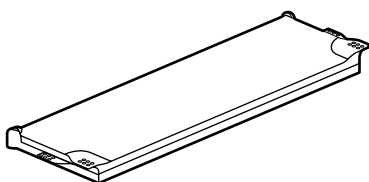
6. ACCESSORIES (cont.)

6.4 Carrying accessories

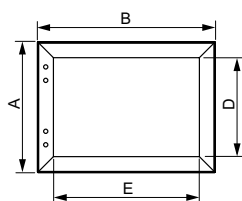
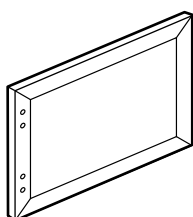
- Cat. No. 365 80, 340 x 235 mm (Interior dimensions: 310 x 200 x 18 mm) and Cat. No. 365 81, 260 x 165 mm (Interior dimensions: 230 x 130 x 18 mm). Openings, RAL 7035



- Cat. No. 365 82, 325 x 120 mm (Interior dimensions: 324 x 120 x 18 mm). Closed IP 50, RAL 9002. Capacity to hold approx. fifteen A4 sheets folded in half.



6.5 Glass doors Cat. No(s) 475 45 / 46 / 47/ 48 / 49



Cat. No.	Dimensions			
	A	B	C	D
475 45	300	400	230	330
475 46	400	400	330	330
475 47	500	500	430	430
475 48	600	400	530	330
475 49	600	600	530	530

IP 54 - IK 07

According to the standard NF EN 62262

Anodised aluminium frame, 150° opening angle

Polycarbonate window thickness 3 mm. Neoprene seal

Lock with 455 key

Supplied with drilling template

Protects equipment, avoids accidental manipulation and enables visualisation of equipment from front.