

# The Essential Guide

## **SAREL 2.8**



**SAREL**

*by* Schneider Electric



## The Essential Guide SAREL 2.8



## SAREL: products adapted to all environments

### Interior industrial unclean environment: STEEL



### Interior industrial demanding environment: STAINLESS STEEL



### Extreme industrial and infrastructures environment: INSULATING MATERIALS



**Steel**

*The response:*

*The Spacial steel range (wallmounting enclosures, floor standing monobloc enclosures, and floor standing suitable enclosures)*

**Interior industrial unclean environment**

The industrial environment in mechanical plants is particularly demanding in terms of protection of electric and electronic components against dust, oil spray and impacts. This environment therefore requires a range adapted to the applications and an easy implementation.

- **Universal range**, for industry
- **EMC range**, against electromagnetic disturbances (Aluzinc process).
- **Line of ATEX wallmounting enclosures**, for explosive environments.



**Stainless steel**  
304L - 316L

*The response:*

*The stainless steel range (wallmounting enclosures, floor standing monobloc enclosures, PC racks, and control desks)*

**Interior industrial demanding environment**

The agri-food, pharmaceutical, and petrochemical industries have particularly high requirements in terms of hygiene and corrosion resistance. With two stainless-steel grades:

- **Stainless steel 304L**: corrosion resistance and cleanability (commonly used in the food environment).
- **Stainless steel 316L**: referred to as "marine grade stainless steel": very high corrosion resistance (salty or chlorinated environment).



**Insulating materials** polyester, thermo-plastic (ABS, polycarbonate)

*The response:*





























*the Thalassa range (boxes, wallmounting enclosures, and floor standing monobloc enclosures)*

**Extreme industrial and infrastructures environment**

Electrical infrastructures and installations are subject to solar rays, rain, salty fog, extreme temperatures, oil spray, chemical and corrosive agents.



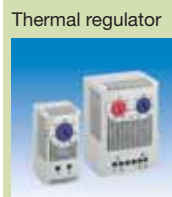
# Overview of the **SAREL** offer by material

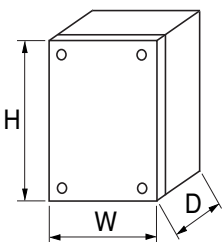
		Steel				
Boxes	from 65 × 65 mm to 300 × 200 mm 	Steel	Screw-on cover			
						
Wallmounting enclosures	from 300 × 200 mm to 1200 × 1000 mm 	Universal	ATEX	Modular	EMC	Customized wallmounting enclosure
						
		Command and dialogue	Terminal enclosure			
						
Floor standing monobloc enclosures	from 500 × 500 mm to 2000 × 1600 mm 	Universal floor standing monobloc enclosure	ECM floor standing monobloc enclosure		Customized floor standing monobloc enclosure	
						
Floor standing suitable enclosures	from 1200 × 600 mm to 2200 × 1200 mm 	Universal fitted floor standing suitable enclosure	Floor standing suitable enclosure in kit	Compartmented floor standing suitable enclosure	ECM floor standing suitable enclosure	Customized floor standing suitable enclosure
						
		Steel PC rack	Automobile application			
						
Consoles	from 1000 × 600 mm to 1400 × 1600 mm 	Control desk with headboard	Monobloc control desk	Modular control desk	Control desk to be assembled	
						

**Stainless steel**  
304L-316L

**Insulating materials:**  
polyester, thermo-plastic (ABS, polycarbonate)

**Thermal accessories**





## Theme 1: environment

What type of environment do you install your products in?

- Interior, in a clean environment (offices, data centers...)
- Interior, in an unclean environment (mechanical plants...)
  - Plants with discharges: greasy materials, water, impacts, dust
  - Disturbed environments: electromagnetic disturbances? Level of mitigation required?
  - Explosive atmospheres: What ATEX classification (zone, substances...)?
- Interior, in a demanding environment (pharmaceuticals, agri-food...): decontamination, sterilization notions...
  - Dry food?
  - Moist food?
  - Highly corrosive food or process?
  - Clean rooms?
- Exterior (roadsides, purification plants...)
  - Protection against salty fog required?
  - Protection against UV?
  - Anti-posting?
  - Anti-graffiti?
  - Total insulation compatible with Class II
  - Protection against fire?
  - Protection against temperatures?
  - To protect against standing water on the door seal do you need a canopy?
- Watertightness/resistance to shocks
  - IP required?
  - IK required?

## Theme 2: business profile

- Rates and repetitivity
  - What turnaround time is required of you? Do you store semi-finished products?
  - Is your solution always the same?
  - Is your machining always at the same place/same dimension?
  - What are the total quantities per reference?
  - What are the quantities per batch?
  - How long does the market last? What are the renewal conditions?
- Deliveries
  - What is the delivery time desired?
  - Partial delivery? Body, door, or full chassis separate?
  - Assembled delivery or in Kit form?

## Theme 3: dimensions

Height × Width × Depth?

- Do you have installation requirements related to the dimensions?
  - Does the enclosure need to fit in a template?
  - Does the enclosure need to fit into a wall?
  - Is there a maximum height with plinth?
  - Does the enclosure need to have access from different sides?
- Do you need to separate two or more sections from one another? (for example: power on the left, networks on the right?)
  - Vertically (on the height)
  - Horizontally (on the width)
  - In this case, do you need to couple several enclosures together?



### Theme 4: fixing

**Do you fix the enclosures?**

■ **To the ground**

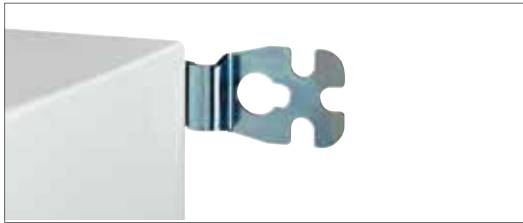
- Do you need access through a trap door for the cables? .....
- Do you need jacks for cleaning under the enclosure? .....
- Do you need to move the enclosure? .....
- Do you need protection against background noise? .....

■ **To the wall**

- To prevent tipping? .....
- Are your enclosures heavily loaded? .....
- Do you need a space between it and the wall? .....

■ **On the frame of the machine? .....**

■ **In a low wall? .....**



### Theme 5: cable entry

■ **Where do the cables enter from?**

- Top .....
- Bottom .....
- Rear .....
- Side .....

■ **What functions must this cable entry fulfill?**

- Level of sealing required? .....
- Tightening frame? .....
- Lips with steps to adapt to the diameter? .....
- Multicable ring to pass several cables through the same entry? .....
- Sealing plug for transport? .....
- Possibility of entering cables on a round or rectangular plate with large or small diameters side by side? .....
- Others? .....



### Theme 6: hoisting and handling

■ **How do you install the enclosures on-site?**

- Hoisting? .....
- Handling with the pallet? .....
- Slings? .....
- Other? .....
- Does the rigidity of the unit need to be reinforced? .....



### Theme 7: door and door accessories

■ **What presentation and swing direction for the doors?**

- Left, right? .....
- Plain door, glazed? .....
- Panel or rear door? .....

■ **What type of lock do you want?**

- Keyed lever .....
- Insert shapes .....
- Keyed handle .....

■ **Do you need an interior door? .....**

■ **Do you need maintenance accessories?**

- Door contact .....
- Door stop .....
- Door cross rails? .....
- Lights?
  - With/Without detector? .....
  - With/Without plug? .....
- Document pocket .....
- Door flap .....
- Door recentering castor .....

■ **Do you need cable management accessories? .....**



## Theme 8: interior equipment

### 1. Automatic functioning

■ How will the equipment be installed inside your enclosure?

- Gain time in drawing and precision: microperforated chassis .....
- Gain time in drawing: Telequick grille .....
- Aesthetic, freedom, good mass continuity and EMC mitigation:
  - plain chassis .....
- Depth adjustment: step slides? .....
- Total freedom of installation: mixed chassis (side frames + partial grilles + symmetric or asymmetric or combined sections).....
- Heavy loads: notched C sections.....

### 2. Energy distribution

■ Low voltage:

- Modular chassis? .....
- Distribution rail: with or without circuit-breaker?.....

■ Medium voltage:

- Box with bars and set of bars?.....

### 3. Networks

■ Do you need to have access to the rear of the 19" chassis?

- Fixed chassis .....
- Pivoting chassis.....
- 19" Fixings.....

■ How do you want to support the light equipment?

- Sliding lectern .....
- Fixed lectern .....

■ How do you want to support the heavy equipment?

- Notched C sections? .....
- Cross rails for heavy loads? .....
- 3 rows of door cross rails? .....

■ Management of cables

- How do you fix your channels on the door?
  - On the vertical rails? On the sections? .....
- Do you need bases and collars to attach your cables? .....
- Do you need to protect the cables in the body-door connection? .....

■ Earthing placement

- Do you need to earth your chassis?.....
- Do you need an earth connection? .....

## Theme 9: thermal

- Do you need cooling? Heating? Dehumidification? .....
- Have you made a thermal assessment to proportion the solution based on your environment and your equipment? .....

## Theme 10: customization

■ Time savings:

- Machining: drawing time and transport to machining area time, tooling cost, square cutout:
  - have them taken care of by SAREL.....
- Fitting of accessories: order time, oversight, fitting, preparation of accessory cases, training:
  - have them taken care of by SAREL.....
- Delivery .....

■ Aesthetic:

- Color: transport to the subcontractor, drying; SAREL sends to paint after the cutout!.....

■ Consult your SAREL partner; together we will complete your projects.





■ SAREL general catalogue 22.7 (ref. 99805)



■ Digital rulers downloadable at [www.sarelenclosures.com](http://www.sarelenclosures.com)



■ Site [www.sarelenclosures.com](http://www.sarelenclosures.com)



■ SAREL customized solutions tryptic

## 1. General catalogue of the SAREL offer

## 2. Quickly define a complete standard solution:

**Steel:**

Spacial 3D, Spacial 18500, Spacial 6000.

**Insulating materials:**

Thalassa wallmounting enclosures and floor standing enclosures / Thalassa boxes (S1 2009).

**Stainless steel:**

coming soon (S1 2009).

**Networks:**


CaSys

*Click on the dimension of your choice and the references of enclosures and accessories display automatically!*

## 3. Find information on the products: technical sheets, fitting instructions, dxf drawings...

*Discover the new search engine that makes it possible to find the information you want in just a moment.*

## 4. Rediscover our customized solutions

	Boxes			Wallmounting enclosures with screw-on covers	Security wallmounting enclosures
Name of range	IP40	IP44	IP66	<b>57100</b>	<b>24300</b>
Sealing	IP40	IP44	IP66	IP66	IP55
Impact resistance	IK08	IK08	IK08	IK10	IK09
Glow-wire test resistance					
Halogen					
Operating temperatures					
Dimensions (mm) 	H 80 to 160 W 80 to 160 D 45 to 65	H 80 to 200 W 80 to 200 D 45 to 90	H 80 to 400 W 80 to 400 D 45 to 110	H 200 or 300 W 300 to 500 P 150 or 200	H 180 or 230 W 130 to 210 P 96 or 126
Size of range	4 dimensions	6 dimensions	15 dimensions	4 dimensions	3 dimensions
Transparent cover option	-	-	-	-	-
Combinability	-	-	-	-	-
RAL color	7032	7032	7032	7032	7032 and 3000



IP40



IP44




IP66

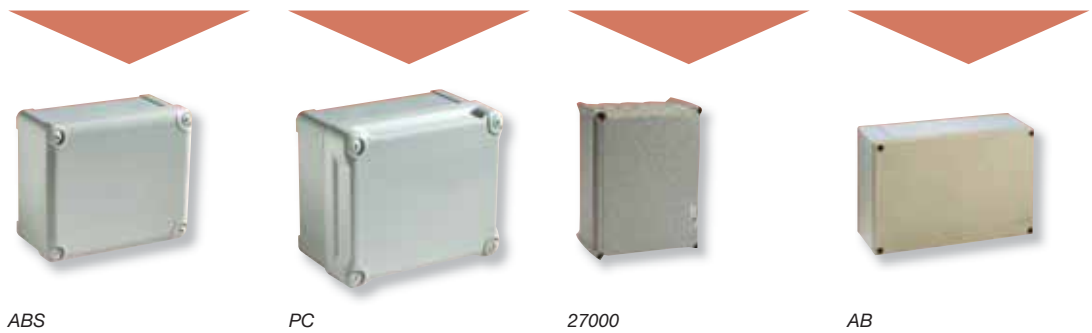


57100



24300

	Thalassa universals		27000 adjustables	With AB terminals
Material and name of range	ABS	Polycarbonate	Polyester and polycarbonate	Polyester and polycarbonate
Sealing	IP66	IP66	IP65	IP65
Impact resistance	IK07	IK08	IK10	IK09
Glow-wire test resistance	650 °C	750 °C 960 °C for UL and DNV versions	960 °C	960 °C
Halogen			■ Very low	
Operating temperatures	-25 °C...+60 °C	-25 °C...+80 °C	-25 °C...+130 °C	-25 °C...+130 °C
Dimensions (mm) 	H 65 to 325 W 65 to 275 D 45 to 160	H 65 to 325 W 65 to 275 D 45 to 160	H 180 to 540 W 270 to 720 D 180 to 230	H 195 W 295 to 495 D 128
Size of range	22 dimensions	20 dimensions	20 dimensions	3 dimensions
Transparent cover option	■	■	■	-
Combinability	■	■	■	■
RAL colors	7035	7035	7032	7032 and 7035



ABS

PC

27000

AB

Boxes

Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

Thermal packaging of electrical panels

Technical appendices



**Cutting and assembly of your accessories in the plant - see the configurator for Thalassa boxes on pages 26-29.**



## The guide is a tool aimed at making it easier to select an enclosure and its accessories



The guide contains the main questions for properly defining an enclosure and its accessories.

A color-code system has been used so that you can find the materials of the different products: boxes, wallmounting enclosures, floor standing monobloc enclosures, and floor standing suitable enclosures.

General catalogue  
[Sarel 22.7](#)

This guide is a summary of our offer.

For any other need, do not hesitate to contact a SAREL representative.



You can also find everything we offer online at [www.sarelenclosures.com](http://www.sarelenclosures.com), where you will find our drawings in DXF format, our product files, and all the information you might need.

## Selection guide for boxes IP40, IP44, and IP66



Internal dimensions (mm)			Reference boxes IP40	Reference boxes IP44		Reference boxes IP66				Reference plates
H	W	D		With entries	No. of nozzles	Bare	With plate fasteners	With 2 uprights	Nozzles for IP66	
80	80	45 (1)	04065	05501	4	04408	-	-	10	-
100	100	55 (1)	04105	05503	6	04410	-	-	5	-
120	165	65 (1)	-	05507*	6	04417	04418	-	2	24210
130	130	60 (1)	04145	05509	6	04413	-	-	5	-
160	160	65 (1)	04175	05511	6	04416	-	-	5	-
200	200	90	-	05515*	6	04420	04421	-	2	24221
200	300	110	-	-	-	-	-	04403	1	-
	400	110	-	-	-	-	-	04404	1	-
	500	110	-	-	-	-	-	04405	1	-
	600	110	-	-	-	-	-	04406	1	-
250	250	100	-	-	-	04425	04426	-	1	24226
300	300	100	-	-	-	04430	04431	-	1	24231
	500	110	-	-	-	-	-	04435	1	-
	600	110	-	-	-	-	-	04436	1	-
400	400	110	-	-	-	04440	04441	-	1	24241

\* Consult our regional branch.  
(1) Add a ground screw on the cover/body



External dimensions (mm)			Reference wallmounting enclosures with screw-on covers	Wallmounting enclosure dimensions (mm)			Chassis reference			
H	W	D		H	W	D	Plain	Microperforated	Perforated	Mixed
200	300	150	57125	200	300	150	55715	50415	55415	-
300	300	150	57126	300	300	150	55702	50402	55402	55002
	400	150	57127		400	150	55712	50412	55417	55012
	500	200	57128		500	200	55721	50421	55421	55021

## Security wallmounting enclosures 24300, IP55/IK09



Internal dimensions (mm)			Reference wallmounting enclosures		Reference wallmounting enclosures with 3 mm lateral double bar locks		
H	W	D	Plain door	Viewing door	Plain door	Viewing door	Viewing door with 2mm thick window
180	130	96	24310	24510	24311	24511	24512
180	165	96	24320	24520	24321	24521	24522
230	210	126	24340	24540	24341	24541	24542

### Selection guide for adjustable boxes



External dimensions (mm)			Number of closure points	Reference boxes		Full chassis reference	Reference perforated plates	Reference modular bibs	Number of rows × number of modules
H	W	D		Opaque cover	Transparent cover				
180	270	180	4	27480	27460	25241	25441	80841	1 × 12
270	270	180	4	27481	27461	25242	25442	80842	2 × 12
	360	180	4	27483	27463	25243	25443	80843	3 × 12
	540	180	6	27485	27465	25244	25444	80844	4 × 12
360	540	180	6	27487	27467	25245	25445	-	-
		230	6	27488	27468	25245	25445	-	-
	720	230	6	27491	27471	25247	25447	-	-
540	540	180	8	27489	27469	25246	25446	-	-
		230	8	27490	27470	25246	25446	-	-
	720	230	8	27492	27472	25248	25448	-	-



Wall fixing lugs in stainless steel

### Wall fixing lugs in stainless steel

Reference
21131



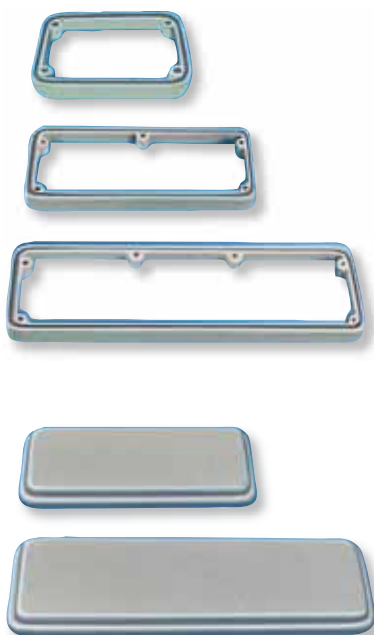
21118

21119

21120

### Cover closure screw

Description	Reference
Slotted-head screw	21118
Wing screw	21119
Sealable triangular screw	21120



### Coupling frame

Opening (mm)	Reference
110	21137
200	21129
290	21133

■ Frame delivered with 2 coupling legs.

### Cable gland plate

Length (mm)	Reference
200	21127
290	21128



### Hinges

Reference
<b>21132</b>

- Set of 2 hinges.
- For 180° door opening.



### Transport handle for boxes

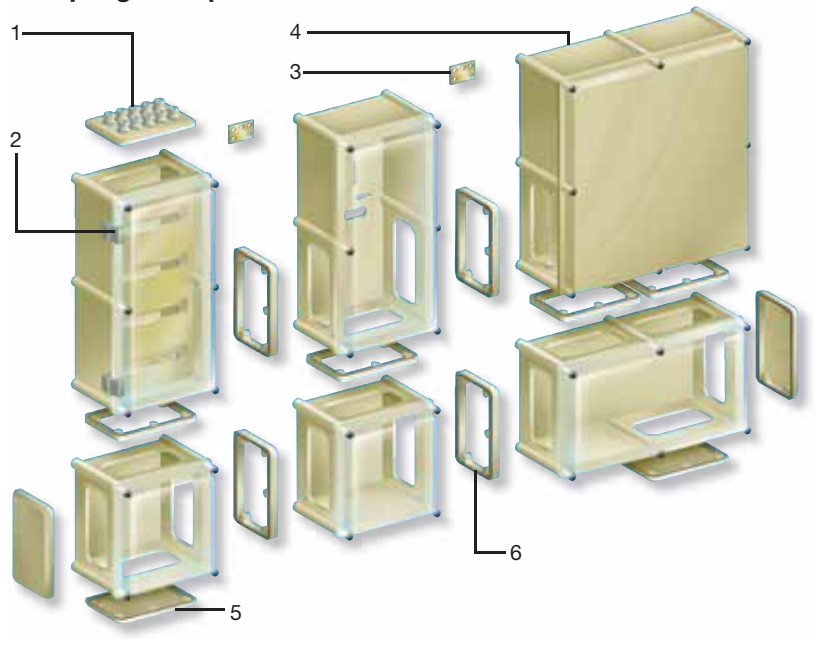
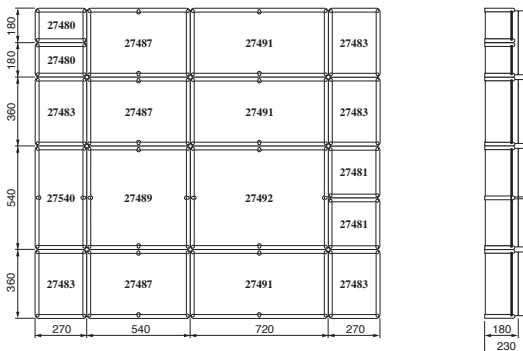
Reference
<b>21130</b>

### Accessories

- Button-bolt with security lock and key no.1442 E.
- Triangular key.
- Set of 2 aeration louvers, supplied with fastening screws and the drilling template.

Description	Reference
Button-bolt	<b>21117</b>
Aeration louvers	<b>04684</b>
Triangular key	<b>21122</b>

### Coupling examples

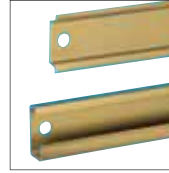


Note: The boxes may be assembled coupled horizontally or vertically using the juxtaposition frames and coupling legs.

- 1 Cable gland plates equipped with cable gland
- 2 Hinge
- 3 Coupling leg
- 4 27000 modular box
- 5 Cable gland plate
- 6 Coupling frame



### Selection guide for AB, IP65 adjustable boxes



External dimensions (mm)			Reference AB, IP165 adjustable boxes	Full chassis reference	Reference section		Reference coupling frame
H	W	D			Symmetrical	Asymmetrical	
195	295	126	27932	27960	27970	27980	27990
	395	126	27942	27961	27971	27981	27991
	495	126	27952	27962	27972	27982	27992

### Threaded sections



Reference
82922

- Set of 2 sections.
- M5 threading.

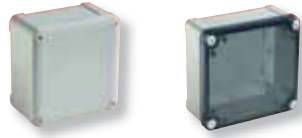
### Wall fixing lugs



Reference
82954

- Set of 4 wall fixing lugs.
- Material: insulating materials.

### Thalassa IP66 universal boxes



Internal dimensions (mm)					Materials					
H	W	D	Body	Cover	ABS IP66 IK07 Fire 650 °C		PC IP66 IK08 Fire 750 °C		PC UL and DNV IP66 IK08 Fire 960 °C	
					Cover opaque	Cover transparent	Cover opaque	Cover transparent	Cover opaque	Cover transparent
65	65	45	35	10	85002	-	85102	-	85402	-
80	80	45	35	10	85004	-	85104	-	85404	-
105	65	55	45	10	85003	-	85103	-	85403	-
105	65	85	45	40	85022	-	-	-	-	-
105	105	55	45	10	85005	-	85105	-	85405	-
105	105	125	45	80	85023	-	-	-	-	-
125	80	65	45	20	85006	85026	85106	85126	85406	85426
150	105	80	60	20	85007	85027	85107	85127	85407	85427
175	105	80	60	20	85008	85028	85108	85128	85408	85428
175	105	100	60	40	85009	85029	85109	85129	85409	85429
175	150	80	60	20	85010	85030	85110	85130	85410	85430
175	150	100	60	40	85011	85031	85111	85131	85411	85431
225	175	80	60	20	85012	85032	85112	85132	85412	85432
225	175	100	60	40	85013	85033	85113	85133	85413	85433
225	175	100	80	20	85021	85041	85121	85141	85421	85441
225	175	120	80	40	85014	85034	85114	85134	85414	85434
275	225	80	60	20	85015	85035	85115	85135	85415	85435
275	225	120	60	60	85016	85036	85116	85136	85416	85436
275	225	120	100	20	85017	85037	85117	85137	85417	85437
275	225	160	100	60	85018	85038	85118	85138	85418	85438
325	275	120	100	20	85019	85039	85119	85139	85419	85439
325	275	160	100	60	85020	85040	85120	85140	85420	85440

New references

### Boxes with buttons, equipped, in ABS, IP54



External dimensions (mm)			Description	Reference
H	W	D		
74	74	83	Emergency stop	85484
116	74	75	Start/stop	85482
116	74	75	Raise/lower/stop	85483

### Boxes for buttons, not equipped, in ABS



External dimensions (mm)			Description	Reference
H	W	D		
74	74	54	1 hole, gray box	85491
74	74	54	1 hole, yellow box	85494
116	74	62	2 holes	85492
116	74	62	3 holes	85493

### Boxes for flasks, in polycarbonate

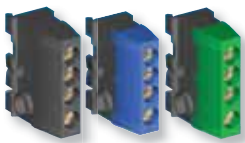


Total Internal dimensions (mm)					IP66 - IK08 with cover		
H	W	D	Body	Cover	Opaque		
					85182	85192	
225	175	80	60	20	85182	85192	4 fl.13
275	225	120	100	20	85187	85197	2 fl.13 + 2 fl.21
325	275	120	100	20	85189	85199	4 fl.21

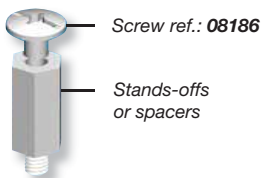
Gasket kit for flask FL13	08281
Gasket kit for flask FL21	08282



Dimensions (mm)			Set of 2 hinges	Set of 4 fixing lugs	Plate in galvanized steel	Insulating plate	Support bar for terminal boards (length)
H	W	D					
65	65	45	-	-	-	-	-
80	80	45	-	-	-	-	-
105	65	55	-	-	-	-	-
105	105	55	-	<b>08161</b>	-	-	-
125	80	65	<b>08191</b>	<b>08161</b>	-	-	-
150	105	80	<b>08191</b>	<b>08161</b>	-	-	-
175	105	80	<b>08191</b>	<b>08161</b>	-	-	<b>08251</b> (175 mm)
175	105	100	<b>08192</b>	<b>08161</b>	-	-	<b>08251</b> (175 mm)
175	150	80	<b>08191</b>	<b>08161</b>	<b>08001</b>	<b>08011</b>	<b>08251</b> (175 mm)
175	150	100	<b>08192</b>	<b>08161</b>	<b>08001</b>	<b>08011</b>	<b>08251</b> (175 mm)
225	175	80	<b>08191</b>	<b>08161</b>	<b>08002</b>	<b>08012</b>	<b>08251</b> (175 mm)
225	175	100	<b>08192</b>	<b>08161</b>	<b>08002</b>	<b>08012</b>	<b>08251</b> (175 mm)
225	175	120	<b>08192</b>	<b>08161</b>	<b>08002</b>	<b>08012</b>	<b>08252</b> (225 mm) or <b>08251</b> (175 mm)
275	225	80	<b>08191</b>	<b>08161</b>	<b>08003</b>	<b>08013</b>	-
275	225	120	-	<b>08161</b>	<b>08003</b>	<b>08013</b>	-
275	225	120	<b>08191</b>	<b>08161</b>	<b>08003</b>	<b>08013</b>	<b>08253</b> (275 mm) or <b>08252</b> (225 mm)
275	225	160	-	<b>08161</b>	<b>08003</b>	<b>08013</b>	<b>08253</b> (275 mm) or <b>08252</b> (225 mm)
325	275	120	<b>08191</b>	<b>08161</b>	<b>08004</b>	<b>08014</b>	<b>08253</b> (275 mm)
325	275	160	-	<b>08161</b>	<b>08004</b>	<b>08014</b>	<b>08253</b> (275 mm)



4 hole terminal blocks	Reference		
	Black phase	Blue neutral	Green ground
2 × 10 <sup>2</sup> 2 × 16 <sup>2</sup>	<b>08257</b>	<b>08259</b>	<b>08255</b>
3 × 16 <sup>2</sup> 1 × 25 <sup>2</sup>	<b>08256</b>	<b>08258</b>	<b>08254</b>



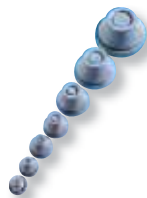
Screw ref.: **08186**

Stand-offs or spacers

Fixings	Reference
Set of 100 screws Ø 4 mm Pozidrive and slotted	<b>08181</b>
Set of 4 15 mm spacers	<b>08176</b>
Set of 4 20 mm spacers	<b>08177</b>
Set of 4 30 mm spacers	<b>08178</b>
Set of 4 15 mm autothreaded stand-offs	<b>08171</b>
Set of 4 20 mm autothreaded stand-offs	<b>08172</b>
Set of 4 30 mm autothreaded stand-offs	<b>08173</b>
Set of 50 screws for stand-offs and spacers	<b>08186</b>



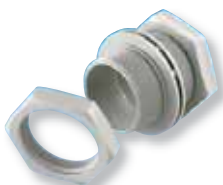
IP68 cable gland



ISO IP67 entries

Type of IP68 cable gland	Reference
M12	<b>08071</b>
M16	<b>08072</b>
M20	<b>08073</b>
M25	<b>08074</b>
M32	<b>08075</b>
M40	<b>08076</b>

Type of ISO IP67 entry	Reference
M12	<b>08831</b>
M16	<b>08832</b>
M20	<b>08833</b>
M25	<b>08834</b>
M32	<b>08835</b>
M40	<b>08836</b>



Coupling kit



Ventilation louver

Ventilation and coupling accessories	Reference
Ventilation louvers 0.016 m <sup>3</sup> /h	IP66 <b>08297</b>
Ventilation louvers 0.120 m <sup>3</sup> /h	IP66 <b>08298</b>
Coupling kit	IP66 <b>82502</b>



Send the document to your local SAREL sales office by e-mail or fax

Date: \_\_\_ / \_\_\_ / \_\_\_

## YOUR CONTACT DETAILS

First/last name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_

Tel: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

### 1 - Definition of the box

Total quantity for the project  boxes  
 for batches of  boxes  
 (minimum batch to be validated by us)

#### 1.1 - Material

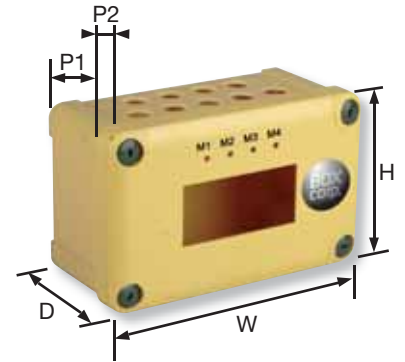
- ABS
- Polycarbonate
- Polycarbonate version UL and DNV

#### 1.3 - Cover

- Opaque
- Transparent (from the dimension 125 × 85 × 65 mm)

### 1.2 - Dimensions

Internal dimensions (mm)			Body/cover dimensions (mm)		
H	W	D	P1	P2	
65	65	45	35	10	<input type="checkbox"/>
80	80	45	35	10	<input type="checkbox"/>
105	65	55	45	10	<input type="checkbox"/>
	105	55	45	10	<input type="checkbox"/>
125	80	65	45	20	<input type="checkbox"/>
150	105	80	60	20	<input type="checkbox"/>
175	105	80	60	20	<input type="checkbox"/>
		100	60	40	<input type="checkbox"/>
	150	80	60	20	<input type="checkbox"/>
		100	60	40	<input type="checkbox"/>
225	175	80	60	20	<input type="checkbox"/>
		100	60	40	<input type="checkbox"/>
		100	80	20	<input type="checkbox"/>
		120	80	40	<input type="checkbox"/>
275	225	80	60	20	<input type="checkbox"/>
		120	100	20	<input type="checkbox"/>
		120	60	60	<input type="checkbox"/>
		160	100	60	<input type="checkbox"/>
325	275	120	100	20	<input type="checkbox"/>
		160	100	60	<input type="checkbox"/>



### 1.4 - Color for boxes in ABS

Standard color | Special colors for boxes in ABS  
 Indicate the color of the closure screws in § 2.1

**!** Color in material

RAL 7035  
  RAL 3000  
  RAL 6018  
  RAL 1021  
  RAL 7036  
  RAL 7016  
  RAL 9003  
  RAL 9010  
  RAL 9005  
 Other RAL color:

If a special color is needed for the boxes in polycarbonate: ask us.  
 Think about defining the color of accessories in § 2.1

## 2 - Definition of accessories not requiring a cutout

All the accessories offered below are fitted by default, unless indicated otherwise.  
 Some accessories may require a specific placement. You are advised to define it on a drawing. To help you, we can send you a definition drawing for the box desired. At the bottom of the form you will find the field enabling you to request it (following page).

### 2.1 - Cover closure

Standard screw  
  Standard screw and metal handles not fitted  
  \* Screw with square impression of 6  
  7  
  8  
  RAL 9005  
  A  
  B  
  C  
  D  
  \* Screw with triangular impression of 6.5\*\*  
  8  
  \* Screw with double bar impression of 3  
  5  
  Set of 2 hinges\*\*\*

W =   
 H =

indicate the code  Code

\* Available from dimension 125×80 / \*\* CNOMO / \*\*\* only for covers of 20 and 40 mm in height.

## 2.2 - Wall fixing

Fixing in sealed zone   
  Fixing in non-sealed zone   
  Vertical fixing legs   
  Horizontal fixing legs   
  RAL9005 legs

Specify H and W (mm)

## 2.3 - Fitting plate and rails.

Plate	(from the dimension 175×150)	<input type="checkbox"/> steel	<input type="checkbox"/> insulating	<input type="checkbox"/> not fitted
Symmetrical Rail 15×5.5	(from H or W 105)	length	<input type="text"/>	<input type="text"/>
Symmetrical Rail 35×7.5	(from H or W 105)	length	<input type="text"/>	<input type="text"/>
Symmetrical rail 35×15	(from H or W 225)	length	<input type="text"/>	<input type="text"/>
Asymmetrical rail	(from H or W 225)	length	<input type="text"/>	<input type="text"/>
Aluminum telecom section	(from H or W 275)	length	<input type="text"/>	<input type="text"/>

to place

Customization of the plate upon request

## 2.4 - Interior fixings

	height	15 mm	20 mm	30 mm
Self-tapping uprights (kit of 4)	quantity	<input type="text"/>	<input type="text"/>	<input type="text"/>
Cross struts (kit of 4), not fitted	quantity	<input type="text"/>	<input type="text"/>	<input type="text"/>

## 3 - Definition of cutouts and accessories not requiring drilling

All the accessories offered below are fitted by default, unless indicated otherwise.

### 3.1 - Cable entries

	Code	Diameter M12	M16	M20	M25	M32	M40
Cablegland IP68 for 1 cable + nut	<input type="text"/> H	quantity <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Multicable ring for cable gland IP68	<input type="text"/> J	quantity <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Plug + nut	<input type="text"/> K	quantity <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Transport plug	<input type="text"/> L	quantity <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ISO IP67 sealed entries	<input type="text"/> M	quantity <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Juxtaposition kit (from depth 80)	<input type="text"/> N	quantity <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
EVA IP55 sealed entries	<input type="text"/> O	quantity <input type="text"/> p.	<input type="text"/> p.	<input type="text"/> p.	<input type="text"/> p.	<input type="text"/> parts	

Don't forget to send us the location of components face by face (sketches below)

### 3.2 - Cutouts

Code form	P	Q	R	S	T	V	Number of cutouts on the body	on the cover
Simple cutouts							<input type="text"/>	<input type="text"/>
Threading		Code form = U					<input type="text"/>	<input type="text"/>
Countersinking		extension ... (for example: TC)					<input type="text"/>	Ask Us

X / Y mini = mm, R mini = 1.5 mm, M mini = M3

So we can establish a precise estimate, please place your cutouts and accessories on the following page views.

In case of an order, a definition drawing will be necessary for fabricating the box. We can send you this definition drawing for the box desired, so you can place your cutouts and other graphic specifications on it.

Drawing desired in format: .....  .dxf (Autocad, Solidworks, ...).....  .pdf (Acrobat)

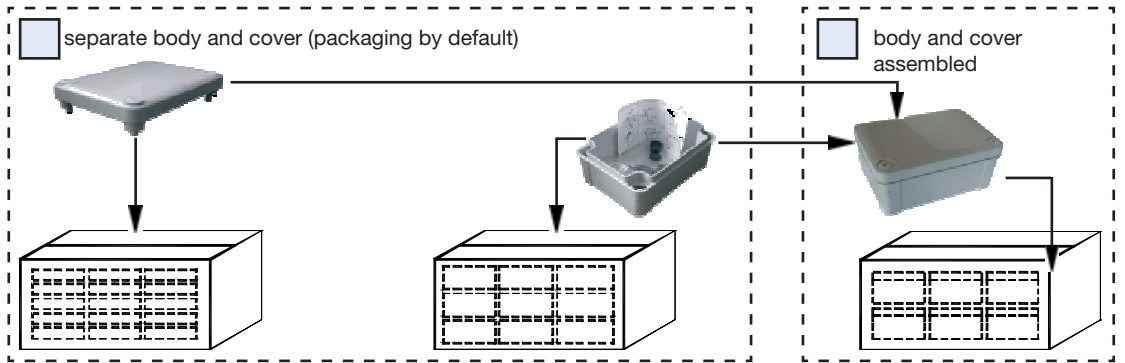
## 4 - Definition of markings

Our laser equipment enables markings with great precision with infinite protection over time.  
Please write your text in the insert opposite.  
For more clarity, the digital file with your logo should be sent to us.

Write your text here:

## 5 - Definition of the packaging

- Wrapping in overpackaging
- Lack of individual packaging

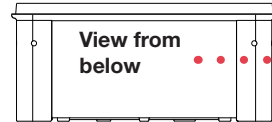
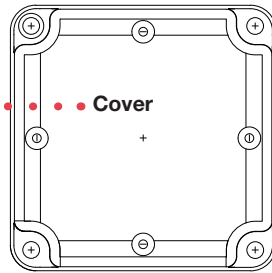


## 6 - Sketch

So we can establish a precise estimate, please place your cutouts and accessories in the tables below.  
If an order is placed, a definition drawing will be necessary for fabricating the box.

### Cover

Code	Dimensions (mm)	Qty.

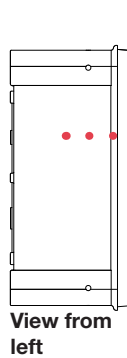
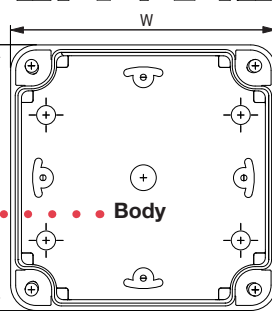
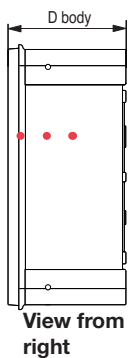


### Bottom face

Code	Dimensions (mm)	Qty.

### Right face

Code	Dimensions (mm)	Qty.



### Left face

Code	Dimensions (mm)	Qty.

### Rear face

Code	Dimensions (mm)	Qty.



### Right face

Code	Dimensions (mm)	Qty.
L	M20	3
R	25 × 15	2

### Top face

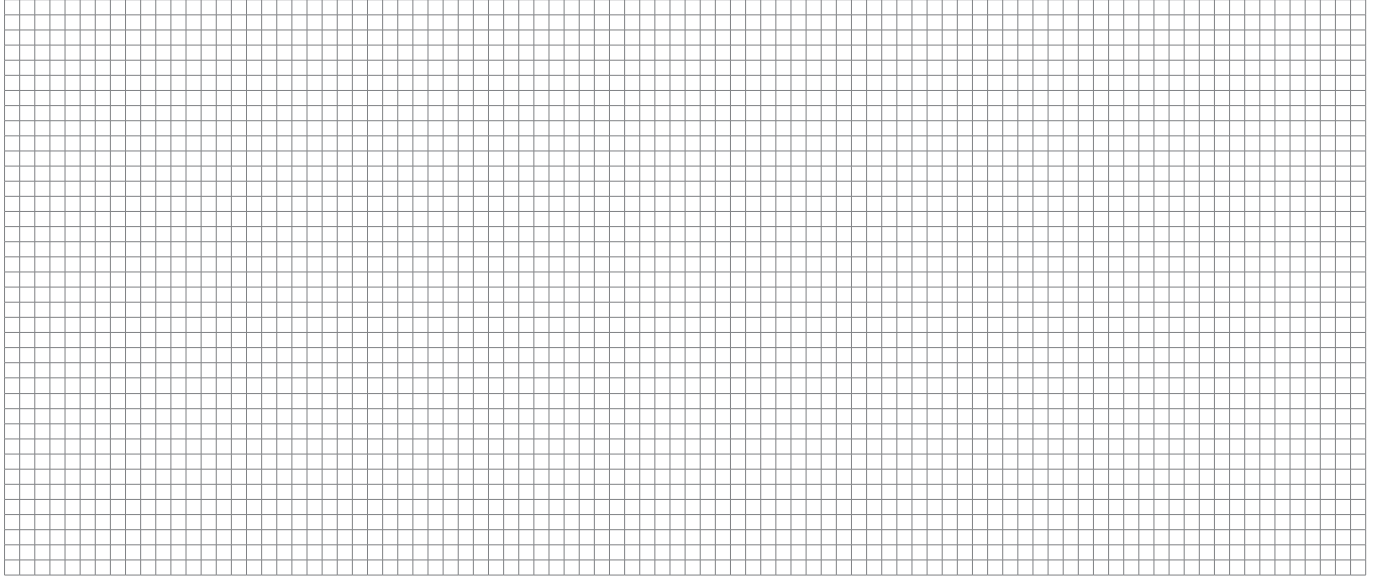
Code	Dimensions (mm)	Qty.

example of capture

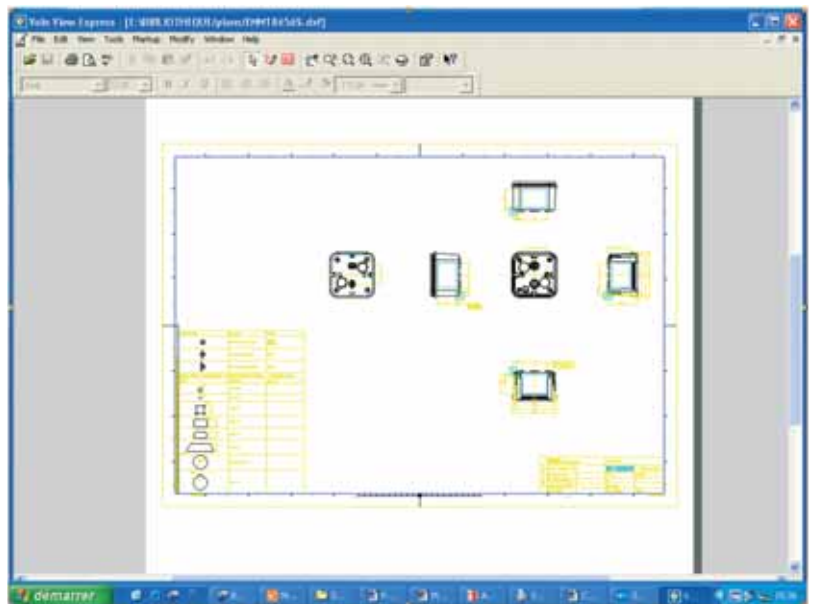
7 - Other choices of accessories

Description of your need: \_\_\_\_\_

Possible scheme:



8 - Download your schemes in .dxf format from the "Thalassa Boxes" CD-ROM available from SAREL





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\* Definition-help pages marked with a red tab.

Material	Steel wall mounting enclosures					
Criteria	Spacial 3D universal wallmounting enclosures	Spacial 3D universal wallmounting application enclosures				Customized wallmounting enclosures
		Modular	With terminals	With screw-on cover	For dialogue man-machine	
Operating environment	Inside, industrial environment					
Sealing	IP66 (IP55*)	IP66	IP66	IP66	IP55	IP66 (IP55*)
Impact resistance	IK10 or IK08**	IK08	IK10	IK10 or IK08**	IK10	IK10 or IK08**
Dimensions (mm)	H 300 to 1400 W 200 to 1200 D 150 to 400	H 400 to 1000 W 300 to 800 D 150	H 200- 300-400 W 200 to 800 D 150	H 300 to 800 W 600 D 400-500	H 300 to 800 W 300 to 600 D 200-300	
Size of range	<b>120 references</b>	<b>10 references</b>	<b>8 references</b>	<b>20 references</b>	<b>8 references</b>	-
Transparent/glazed door option	■	■	-	■	-	■
Combinability	■	■	■	-	-	■
Color	7032	7032	7032	7032	7032	as required

\* IP55 for a double door.  
\*\* Glazed door version.



### To discover



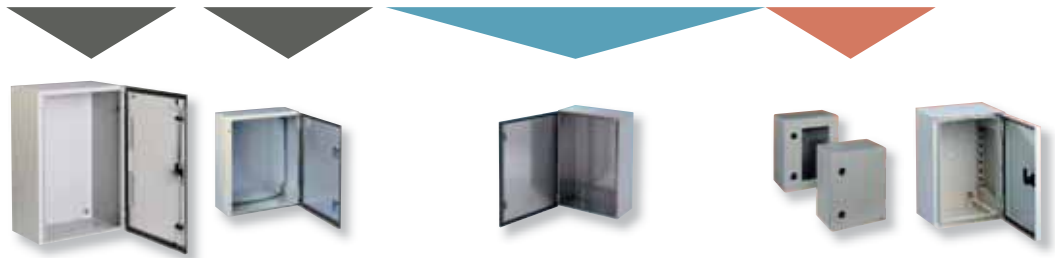
### The new Spacial 3D mini-website: [www.sarelenclosures.com](http://www.sarelenclosures.com)

- Download your schemes in .dxf format, also available at [www.sarelenclosures.com](http://www.sarelenclosures.com)
- Make your modifications
- SAREL will make your cutouts for you



Material	Steel wallmounting enclosures		Stainless steel wallmounting enclosures		Polyester wallmounting enclosures
	Spacial 3D universal wallmounting enclosures	ECM wallmounting enclosures	brushed 304L	316L glass-bead blasted	Thalassa
Operating environment	Inside, industrial environment		Inside, outside, pharmaceutical, chemical, agri-food		Inside, outside, infrastructures
Sealing	IP66	IP54	IP66	IP66	IP66
Impact resistance	IK10	IK10	IK10	IK10	IK10 or IK08*
Dimensions (mm)	H 300 to 1000 W 200 to 800 D 150 to 300	H 400 to 1200 W 300 to 800 D 200 to 400	H 300 to 1200 W 200 to 1000 D 150 to 300	H 300 to 1200 W 200 to 1000 D 150 to 300	H 310 to 1035 W 255 to 850 D 200 to 350
Size of range	<b>10 references</b>	<b>9 references</b>	<b>22 references</b>	<b>16 references</b>	<b>24 references</b>
Transparent/glazed door option	-	-	-	-	■
Combinability	-	-	-	-	■
RAL color	7032	7032	-	-	7032

\* Glazed door version.



Boxes

Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

Thermal packaging of electrical panels

Technical appendices



**Cutting and assembly of your accessories in the plant - see the configurator for Spacial 3D wallmounting enclosures on pages 48-51.**



## The wallmounting enclosures

The **SAREL** universal wallmounting enclosures offer:



### Spacial 3D wallmounting steel enclosures

- Live span.
- Aesthetic.
- Selection.
- Time savings.



### Stainless steel wallmounting enclosures

- Sealing.
- Robust and durable.
- Practical and time-saving.
- Compatible with the other ranges.
- Sterile.
- Easy to clean.
- Corrosion resistant.
- Aesthetic.



### Thalassa polyester wallmounting enclosures

- Sealing.
- Life span.
- Ease.
- Selection.

**Spacial 3D steel wallmounting enclosures**  
**The universal monobloc wallmounting enclosure**

**Sealing**

- IP66, polyurethane seal and double door fold.
- 3 locking points from heights of 600 mm.

**Life span**

- Polyester paint and good protection against UV.
- Coated hinges, aluminum pins.

**Select**

- Plain door: 54 references.
- With plain chassis: 54 references.
- With glazed door: 45 references.

**Time savings:**

- Configured offer: other colors.
- Fitted accessories, machinings made in other dimensions.

**Stainless steel wallmounting enclosures**

**Finishes**

- Two types of steel referenced:
  - brushed 304L.
  - 316L microbeaded.
- Painted in the RAL range (by request).

**Sealing**

- IP66 (EN 60529) protection level: complete protection against dust and water spray.
- Polyurethane or neoprene seal.
- Front profile in form of gutter.
- Three locking points for the double door.

**Robustness and durability**

- External mechanical impact resistance: IK10/IK08 (glazed door).
- Door profile or reinforcement frame.
- Stainless steel hinges

**Life span**

- Fiberglass reinforced polyester.
- Hot press moulded.
- Designed to resist the worst climatic, industrial, and chemical conditions.

**Sealing**

- IP66, integrated top and bottom canopies, protecting the door and the seal.
- Polyurethane seal.
- Closure according to wallmounting enclosure reference.

**Ease**

- Door reversibility by turning over the wallmounting enclosure.
- Opening to 180°.
- Easily unhingeable.
- 4 housings for the inserts and possibility of positioning on the DIN rail every 25 mm.

**Thalassa polyester wallmounting enclosures**

## Interior installation, clean and unclean premises (industrial environment)



*The response:*  
*Spacial 3D universal steel wallmounting enclosures*

### Technical features

- Sealing: IP66 (wallmounting enclosures with single door) and IP55 (wallmounting enclosures with double door).
- Protection against external impacts:
  - IK10: wallmounting enclosure with plain door,
  - IK08: wallmounting enclosure with glazed door (thickness 4 mm).
- Optimized closure and opening:
  - profiles perforated on the door 2 vertical profile from H = 400 mm, 2 vertical profiles and 2 horizontal profiles from W = 800 mm,
  - Removable and reversible door, 120° opening. Easy rod inversion,
  - maximum load: 50 kg/m<sup>2</sup>,
  - standard wallmounting enclosure supplied with a double bar lock,
  - Equipotential connection between the door and the body using M6 × 16 earthing screws.
- Fixing: direct wallmounting using 4 holes (Ø 10 mm), using 4 fixing lugs (to be ordered); sealing plugs ensuring the IP.
- Space optimization: 4 M8 supported rear pins × 25 for fitting chassis and step slides saving a rear space of 10 mm.
- Cable gland plate pre-squared to facilitate drilling and ensure maximum surface access.

### Certifications

- EN 62208, LCIE (enclosure standard), CUL, BV, BNV, LR, GL.
- NEMA type 4,4X (single door) and NEMA type 12,12K, 13 (double door) according to UL 508A.

### Finish

- Structured, polyester powder, RAL 7032 gray color.

## Interior installation, clean and unclean premises (agri-food, pharmaceutical, chemical environment)



*The response:*  
*Spacial 3D universal wallmounting enclosures*

### Technical features

- IP66 Sealing.
- Protection against impacts: IK10 wallmounting enclosure with plain door. IK08 wall mounting enclosure with glazed door.
- Optimized closure and opening:
  - standard lock by 3 mm double bar (chrome zamac),
  - door swing to right or left thanks to fully symmetrical wallmounting enclosure.
- Interior or exterior installation.
- Direct wall fitting or using fixing legs (to be ordered),

### Brushed finish

- Monobloc wallmounting enclosure in AISI 304L stainless steel.
- Full corrosion resistance thanks to Scotch Brite® mechanical brushed polishing.
- Reinforced door using two vertical profiles (from 600 mm in height), with drillings Ø 4.25 mm every 25 mm.

### Microbeaded finish

- Monobloc wallmounting enclosures fabricated in AISI 304L or AISI 316L stainless steel.
- Main properties: considerably limiting the adherence of any substance, enabling disinfection, even sterilization.
- Wall mounting enclosure 15/10 mm, with neoprene seal 20 × 6 stuck and hinges in 316L seal.
- Door reinforcing frame from 600 mm width, 2 and 3 closure points from height 500 and 1,000 mm respectively.

## Interior or exterior installation (infrastructures and industry)



*The response:*  
*Thalassa polyester wallmounting enclosures*

### Technical features

- IP65 sealing for wallmounting enclosures of 300 mm high and IP66 for the rest of the range.
- Impact resistance: plain door IK10 door with porthole IK08 (5 joules).
- Temperature protection: -50 °C ... +150 °C.
- Total insulation compatible with class 2.
- Optimized closure and opening: reversibility of door opening by inverting the wallmounting locking, locking device in non-sealed zone guaranteeing IP66 over time.
- Best protection against water spray and rain thanks to integrated top and bottom canopies (obtained by molding).
- Common accessories with those of the Spacial 3D range.

### Finish

- Smooth; RAL 7032 color.



**Environment**

- Use **Internal** or **External**? .....
- Type of ambient environment: **Normal**, **Saline**, **Corrosive** (which products?) .....
- Is a canopy required? (Y/N).....
- Type of material required (**Steel/ Stainless Steel/ Polyester**).....

**Technical definition**

- Height (mm).....
- Width (mm) .....
- Depth (mm) .....
- IP .....
- IK .....
- Color RAL .....
- Type of coating.....
- Stainless steel finishes: brushed or microbeaded .....
- Type of lock, to be specified .....
- Visibility: **Glazed door**, **Window** .....
- Type of chassis: **Plain**, **Telequick**, **Other** .....
- Loads to be borne: by enclosure, doors and panels .....
- Electrical continuity by means of grounding strip, or other (to be specified) .....
- Cable entry via cable gland plate.....
- Fitting by fixing **Lugs** or **Direct fixing** .....
- Lighting (Y/N).....

**Customization. See customization help on pages 48 to 51**

- Description of machinings (plans, sketches).....
- Electrical continuity by means of grounding strip, or other (to be specified) .....
- Standard accessories fitted .....
- Specific accessories to be supplied (plans, sketches) .....
- Application of image: screen print, sticker.....

**Thermal**

- **Air louvers** or **Ventilation grilles**.....
- **Forced ventilation**.....
- **Heating element** .....
- **Air-conditioning** .....
- **External temperature range**.....
- **Internal temperature range**.....

**Logistics**

- **Place of delivery**.....
- **Special delivery information?** .....
- **Special unloading information?**.....

Boxes

Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

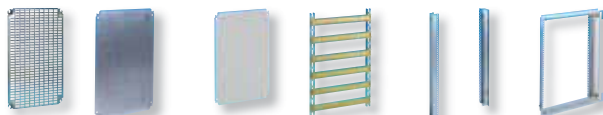
Thermal packaging of electrical panels

Technical appendices



Dimensions (mm)			No. Doors	IP	Spacial 3D IP66 wallmounting enclosures RAL 7032			Spacial 3D IP66 wallmounting enclosures RAL 7035		IP66 Stainless steel wallmounting enclosures			Thalassa IP66 wallmounting enclosure	
H	W	D			Plain door		Glazed door	Plain door		Plain door	Glazed door	Plain door	Plain door	Glazed door
					Without chassis	With chassis	Without chassis	Without chassis	With chassis	Without chassis	Without chassis	Without chassis	Without chassis	Without chassis
300	200	150	1	66	83015	83315	-	87015	87315	54915	-	54852	59315*	59415*
300	250	150	1	66	83001	83301	83501	-	-	-	-	-	59316	59416
300	300	150	1	66	83002	83302	83502	-	87302	54902	-	54854	-	-
300	300	200	1	66	83003	83303	83503	87003	87303	-	-	-	-	-
300	400	150	1	66	83012	83312	83512	87012	87312	-	-	-	-	-
300	400	200	1	66	83004	83304	83504	-	-	-	-	-	-	-
400	300	150	1	66	83017	83317	83517	87017	87317	54917	-	54856	-	-
400	300	200	1	66	83018	83318	83518	87018	87318	54918	54975	54857	59318	59418
400	400	200	1	66	83019	83319	83519	87019	87319	54919	-	54858	-	-
400	600	200	1	66	83031	83331	83531	87031	87331	54927	-	54850	-	-
400	600	250	1	66	83032	83332	83532	-	-	-	-	-	-	-
500	300	200	1	66	83021	83321	83521	-	-	-	-	-	-	-
500	400	200	1	66	83023	83323	83523	87023	87323	54923	54976	54860	59323	59423
500	400	250	1	66	83024	83324	83524	87024	-	-	-	-	-	-
500	500	200	1	66	83022	83322	83522	87022	87322	-	-	-	-	-
500	500	250	1	66	83025	83325	83525	87025	87325	-	-	-	-	-
600	400	200	1	66	83026	83326	83526	87026	87326	54926	54977	54862	-	-
600	400	250	1	66	83027	83327	83527	-	87327	-	-	-	59327	59427
600	500	250	1	66	83040	83340	83540	-	-	-	-	-	-	-
600	600	200	1	66	83028	83328	83528	87028	87328	-	-	-	-	-
600	600	250	1	66	83029	83329	83529	87029	87329	54929	-	54864	-	-
600	600	300	1	66	83030	83330	83530	-	-	-	-	-	-	-
600	600	400	1	66	83039	83339	83539	-	-	-	-	-	-	-
600	800	300	1	66	83037	83337	83537	-	-	-	-	-	-	-
700	500	250	1	66	83035	83335	83535	87035	87335	54935	54978	54866	-	-
700	500	300	1	66	-	-	-	-	-	-	-	-	59336	59436
800	600	200	1	66	83043	83343	83543	87043	87343	-	-	-	-	-
800	600	250	1	66	83056	83356	83556	87056	87356	54956	54979	54868	-	-
800	600	300	1	66	83057	83357	83557	87057	87357	-	-	-	59357	59457
800	600	400	1	66	83044	83344	83544	-	-	-	-	-	-	-
800	800	250	1	66	83045	83345	83545	87045	87345	-	-	-	-	-
800	800	300	1	66	83046	83346	83546	87046	87346	54946	-	54869	-	-
800	1000	300	1	66	83047	83347	-	-	-	-	-	-	-	-
800	1000	300	2	55	83055	83355	-	-	-	-	-	-	-	-
800	1200	300	2	55	83048	83348	-	-	-	-	-	-	-	-
1000	600	250	1	66	83054	83354	83554	87054	87354	-	-	-	-	-
1000	600	300	1	66	83058	83358	83558	-	-	-	-	-	-	-
1000	600	400	1	66	83059	83359	83559	-	-	-	-	-	-	-
1000	800	250	1	66	83060	83360	83560	-	87360	-	-	-	-	-
1000	800	300	1	66	83061	83361	83561	87061	87361	54961	54980	54870	59361	59461
1000	800	400	1	66	83062	83362	83562	-	-	-	-	-	-	-
1000	1000	300	1	66	83070	83370	83570	87070	87370	-	-	-	-	-
1000	1000	300	2	55	83063	83363	83563	-	87363	54963	-	54873	-	-
1000	1200	300	2	55	83066	83366	-	-	-	-	-	-	-	-
1000	1200	400	2	55	83072	83372	-	-	-	-	-	-	-	-
1200	600	300	1	66	83073	83373	83573	-	-	-	-	-	-	-
1200	600	400	1	66	83074	83374	83574	-	-	-	-	-	-	-
1200	800	300	1	66	83064	83364	83564	87064	87364	54964	-	54872	-	-
1200	800	400	1	66	83067	83367	83567	-	-	-	-	-	-	-
1200	1000	300	1	66	83071	83371	83571	87071	-	-	-	-	-	-
1200	1000	300	2	55	83065	83365	83565	87065	87365	54965	-	54875	-	-
1200	1000	400	2	55	83075	83375	-	-	-	-	-	-	-	-
1200	1200	300	2	55	83076	83376	-	-	-	-	-	-	-	-
1200	1200	400	2	55	83077	83377	-	-	-	-	-	-	-	-
1400	1000	300	2	55	83078	83378	-	-	-	-	-	-	-	-

\*IP65 polycarbonate wallmounting enclosure.



Wallmounting enclosure dimensions (mm)		Chassis				19" Châssis			
H	W	Telequick	Micro-perforated grille	Plain galvanized	Mixed symmetrical	Fixed	No. U	Pivoting	No. U
						Type			
300	200	55415	50415	55715	-	-	-	-	-
300	250	55401	-	55716	55001	B	-	-	-
300	300	55402	50402	55702	55002	B	-	-	-
300	300	55402	50402	55702	55002	B	-	-	-
300	400	55412	50412	55712	55012	B	-	-	-
300	400	55412	50412	55712	55012	B	-	-	-
400	300	55417	50412	55712	55017	B	-	-	-
400	300	55417	50412	55712	55017	B	-	-	-
400	400	55419	50419	55719	55019	B	-	-	-
400	600	55432	50426	55726	55032	A	-	-	-
400	600	55432	50426	55726	55032	A	25911*	8	25940*
500	300	55421	50421	55721	55021	B	-	-	-
500	400	55423	50423	55723	55023	B	-	-	-
500	400	55423	50423	55723	55023	B	-	-	-
500	500	55425	50425	55725	55025	A	-	-	-
500	500	55425	50425	55725	55025	A	-	-	-
600	400	55426	50426	55726	55026	B	-	-	-
600	400	55426	50426	55726	55026	B	-	-	-
600	500	55428	-	55736	55027	B	-	-	-
600	600	55429	50429	55729	55029	A	25912*	12	25941*
600	600	55429	50429	55729	55029	A	25912*	12	25941*
600	600	55429	50429	55729	55029	A	25912*	12	25941*
600	600	55429	50429	55729	55029	A	25912*	12	25941*
600	800	55431	50456	55756	55031	A	-	-	-
700	500	55435	50435	55735	55035	B	-	-	-
700	500	55435	50435	55735	55035	B	-	-	-
800	600	55456	50456	55756	55056	A	25913*	17	25942*
800	600	55456	50456	55756	55056	A	25913*	17	25942*
800	600	55456	50456	55756	55056	A	25913*	17	25942*
800	600	55456	50456	55756	55056	A	25913*	17	25942*
800	800	55446	50445	55745	55045	A	-	-	-
800	800	55446	50445	55745	55045	A	-	-	-
800	1000	55447	50460	55760	55047	A	-	-	-
800	1000	55447	50460	55760	55047	A	-	-	-
800	1200	55457	50464	55764	55061	A	-	-	-
1000	600	55454	50454	55754	55054	A	25914*	21	25943*
1000	600	55454	50454	55754	55054	A	25914*	21	25943*
1000	600	55454	50454	55754	55054	A	25914*	21	25943*
1000	800	55460	50460	55760	55060	A	-	-	25944*
1000	800	55460	50460	55760	55060	A	-	-	25944*
1000	800	55460	50460	55760	55060	A	-	-	25944*
1000	1000	55463	50463	55763	55063	A	-	-	-
1000	1000	55463	50463	55763	55063	A	-	-	-
1000	1200	55461	50465	55765	55061	A	-	-	-
1000	1200	55461	50465	55765	55061	A	-	-	-
1200	600	55430	50430	55730	-	-	-	-	-
1200	600	55430	50430	55730	-	-	-	-	-
1200	800	55464	50464	55764	55064	A	-	-	25945*
1200	800	55464	50464	55764	55064	A	-	-	25945*
1200	1000	55465	50465	55765	55065	A	-	-	-
1200	1000	55465	50465	55765	55065	A	-	-	-
1200	1000	55465	50465	55765	55065	A	-	-	-
1200	1200	55469	-	55709	-	-	-	-	-
1200	1200	55469	-	55709	-	-	-	-	-
1400	1000	55470	-	55770	-	-	-	-	-

\* Standard 19" Chassis can only be fitted on steel wallmounting enclosures.



Wallfixing lugs S3D

Reference	Material
51206	Steel
51207	304L stainless steel



Door stop S3D Ref. 51231



Handle with keys, cylinders 1242E S3D Ref. 51332



Wall fixing lugs

Reference	Type of stainless steel
53496	304L
54981	316L



Lock

Ref.	Description	Material
51356	3 mm double bar	100% Stainless steel
51351	8 mm male triangle	100% Stainless steel
51352	7 mm male square	100% Stainless steel
51353	6 mm male square	100% Stainless steel



Wall fixing lugs, polyester Ref. 51299, except 51298 for wallmounting enclosure of 200 width, stainless steel (heavy loads) Ref. 51292



Locks, Key 1242E Ref. 51259



Adhesive drawing pockets

Reference	Document pocket	
	Format	Thickness (mm)
21322	A4	22
21323	A4	40
21317	A3	35



Screw for 19" chassis see page 46

Reference	Description
21127	M6 screws x 16 and washers
14629	Lock-nut M6
14916	Screws M6 + washers + nuts

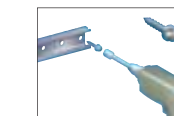


Clip-nuts for Telequick grille Ref. 21139

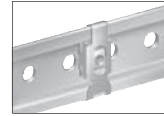
Reference	For screws
21163	M3
21164	M4
21165	M5
21166	M6



Door contact S3D Ref. 51341



Self-piercing screws S3D Ref. 21139



Clip on nut

Ventilation
See pages 103 to 104

Lighting
see page 113



Lamp Ref. 21452

**Assembly accessories**

**Canopy for Spacial 3D steel wallmounting enclosures**

**!** Protects the seal



Reference	For wallmounting enclosure (mm)	
	Width	Depth
83100	200	150
83099	250	150
83101	300	150
83102	300	200
83103	400	150
83104	400	200
83105	400	250
83106	500	200
83107	500	250
83108	600	200
83109	600	250
83110	600	300
83111	600	400
83112	800	250
83113	800	300
83114	800	400
83115	1000	300
83118	1000	400
83116	1200	300
83117	1200	400

**Canopy for stainless steel wallmounting enclosures**

**!** Recommended for exterior installations



Reference	For wallmounting enclosure (mm)	
	Width	Depth
50516	200	150
50514	250	150
50517	300	150
50518	300	200
50519	400	200
50520	500	250
50521	600	250
50525	600	200
50561	800	300
50565	1000	300

**Coupling accessories**

**Coupling frame for Spacial 3D steel wallmounting enclosures**

**!** To expand the dimensional selection



Reference	Description
51520	Single coupling kit
51521	Coupling frame 435×165*
51522	Coupling frame 635×165**

\* From 600 mm height 300 mm depth.  
\*\* From 800 mm height 300 mm depth.

**Coupling frame for Thalassa polyester wallmounting enclosures**

**!** Maintains an IP55



Frame	External dimensions H × W × D (mm)	Passage	For wallmounting enclosure reference
51523	435 × 185 × 15	396 × 148	59336 and 59357
51524	635 × 185 × 15	598 × 148	59361



Support foot



Adaptor plate



Ground fixing foot for Thalassa wallmounting enclosure

## Accessories for the base

### Support foot for Spacial 3D steel wallmounting enclosures

Reference	Description
51570	Support foot

### Adaptor plate for support foot for Spacial 3D steel wallmounting enclosures

Reference	For wallmounting enclosure (mm)	
	Width	Depth
51572	300-400	150
51573	300	200
51574	400	200-250

### Support foot for Thalassa polyester wallmounting enclosures for wallmounting enclosures of 400 width

Reference	Description
29090	Ground fixing foot
21442	Cable guide arch

## Cable entry accessories

### Cable gland plate for Spacial 3D steel wallmounting enclosures

**!** Quick entry of cables



For wallmounting enclosures		Cable gland plate reference			
Width (mm)	Depth (mm)	Standard	ISO knockouts	Aluminium	With membrane entries
200	150	51531	51541	51551	-
300-400	150	51532	51542	51552	-
300	200	51533	51543	51553	51563
400	200-250	51534	51544	51554	51564
500	200-250	51535	51545	51555	51565
600	200-250	51536	51546	51556	51566
600	300-400	51537	51547	51557	51567
800	250-300-400	51534 × 2	51544 × 2	51554 × 2	51564 × 2
1000-1200	300-400	51535 × 2	51545 × 2	51555 × 2	51565 × 2

### Cable gland plate for Thalassa polyester wallmounting enclosures



Cable gland plate reference	For wallmounting enclosure reference
51525	59336 and 59357
52526	59361



## Choosing a world leader

Since 1956, SAREL's business has been to design, produce, and sell enclosure systems to physically protect, create, and install equipment for industrial automatic functioning, electrical distribution, and VDI networks, in all environmental conditions.

In all its ranges of industrial boxes, wallmounting enclosures, floor standing monobloc enclosures, floor standing suitable enclosures, and control desks, in different materials: steel, stainless steel, polyester and thermoplastic or on its installation equipment, boxes, and accessories, SAREL is among the world leaders in its field and affirms itself as the specialist in sealing.



### *Better meeting the needs of professionals in construction, industry, VDI networks, and infrastructures*

Listening, closeness, innovation, and presence: SAREL has long cultivated the values that make it close to its customers and promote the development of partnerships, taking the greatest care in the quality of its responses to the needs of professionals.

Users, consultants, general contractors, or distributors, SAREL integrates your expectations in its overall company approach through:

- Products, equipment, and materials which adapt easily to all circumstances, for all types of configurations and applications, with all quality, reliability, rapidity and ease of implementation assurances.
- Services which strengthen the personalization of products according to your requirements and make it possible to provide the proper answers to your specific needs with the greatest flexibility and highest levels of quality. In this approach, SAREL contributes to its customers' competitiveness.



**Plate IP65 for passing cables**

**!** Up to 29 cables in a single entry



Reference	Cutouts (mm)	No. openings	Passage of cables Ø (mm)				
			3 to 6.5	4.3 to 8.1	5 to 9.2	8 to 12.5	9.6 to 14
51584	112 × 36	14	6		4		4
51585	112 × 36	17			17		
51586	112 × 36	22	16		4	2	
51587	112 × 36	23		23			
51588	112 × 36	29	29				

**!** One single, easy to make round cutout



Reference	No. openings	Ø Cable pass through (mm)	Passage of cables Ø (mm)					9.6 to 14
			3 to 5.5	3 to 6.5	3.5 to 6.5	5 to 9.2	6 to 10	
51589	4	50					3	1
51590	8	50			7		1	
51591	8	63		2		4		2
51592	13	63	6		6		1	

**ISO IP68 cable gland**



Ø	1-cable cable gland			Multicable ring		Gasket	Sealing plug	Transport plug
	Ref.	Ø min / max (mm)	Ø drilling **	Ref.	No./ Ø (mm)			
M12	08071	3 / 6.5	12.2 (0 + 0.2)	-	-	08091	08101	-
M16	08072	4 / 8	16.2 (0 + 0.2)	08097	2 × 4	08092	08102	08292
M20	08073	6 / 12	20.2 (0 + 0.2)	08098	3 × 4	08093	08103	08292
M20 (*)	08079	6 / 12	20.2 (0 + 0.2)	-	-	08093	-	-
M25	08074	11 / 17	25.2 (0 + 0.2)	08099	4 × 5	08094	08104	08293
M32	08075	15 / 21	32.2 (0 + 0.2)	08100	6 × 5	08095	08105	08294
M40	08076	19 / 28	40.5 (0 + 0.2)	-	-	08096	08106	08295

\* highly fire-resistant cable gland for red boxes.  
 \*\* (x + x) = tolerance.

**Hoisting accessories**

**Lot of 2 lifting eyes for Spacial 3D wallmounting enclosures in steel**

**!** Ease of lifting for heavy loads



Description	Reference
Set of 2 lifting eyes	51229

## Door and door accessories

### Interior door for Spacial 3D wallmounting enclosure in steel and in stainless steel

Double bar lock closure



Reference	For wallmounting enclosure (mm)	
	Width	Depth
55617	400	300
55620	500	400
55626	600	400
55634	700	500
55656	800	600
55654	1000	600
55660	1000	800
55665	1200	600
55664	1200	800

### Interior door for Thalassa polyester wallmounting enclosures



Reference	For wallmounting enclosure (mm)	
	Width	Depth
80422	430	330
80423	530	430
80424	645	435
80425	745	535
80426	845	635
80427	1055	850

### Door cross rail for Spacial 3D wallmounting enclosures in steel and in stainless steel

Fastening with 2 self-tapping screws



Reference	Door width (mm)
51741	400
51742	500
51743	600
51744	800
51745	1000

Lot of 10 parts

### Channel support Ø22



Reference	Description
65903	channel support Ø22

Lot of 10 parts

## Locking accessories

### Locking system for Spacial 3D steel wallmounting enclosures



Insert shapes

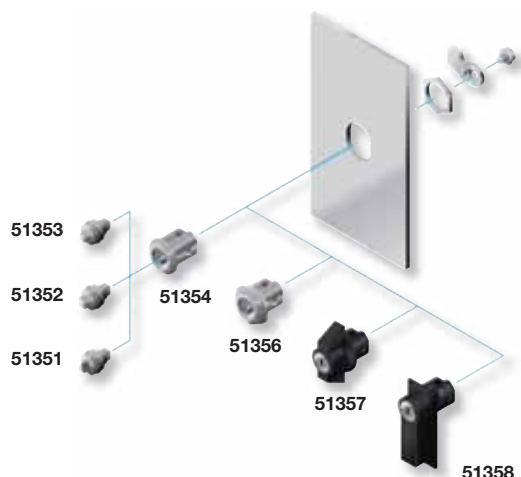


Handles with keys

Reference	Description
51325	6 mm square
51326	7 mm square
51327	8 mm square
51328	3 mm double bar
51329	5 mm double bar
51330	6.5 mm triangle CNOMO
51331	8 mm triangle

Reference	Description
51332	1242 E
51333	405
51334	421
51335	455
51336	2331 A
51337	2433 A
51338	3113 A

### Locking system for stainless steel wallmounting enclosure



Reference	Description	Material
51354	3 mm double bar (replacement)	Chrome Zamack
51356	3 mm double bar	100% Stainless steel
51351	8 mm male triangle	100% Stainless steel
51352	7 mm male square	100% Stainless steel
51353	6 mm male square	100% Stainless steel
51357	Button-bolt 1242 E	Chrome
51358	Button-bolt 1242 E	Polyamide

### Locking systems for Thalassa polyester wallmounting enclosures with closure escutcheon and h < or = 850



#### Insert shapes

Reference	Description
51263	6 mm square
63763	7 mm square
51255	8 mm square
51256	3 mm double bar
51257	5 mm double bar
51279	6.5 mm triangle CNOMO
51282	8 mm triangle

#### Locking levers with cylindrical barrel

Reference	Locking levers with cylindrical barrel
51259	1242 E key
51300	405 key
51301	421 key
51302	455 key
51303	2331 A key
51304	2433 A key
51305	3113 A key

## Earthing accessories

### Fastening leg for earth collector

**!** *Fitting on front side of wallmounting enclosure*



Reference	Description
51237	Spacial 3D earth bar support kit

Lot of 5 sets (10 parts).



Combined fastening leg for earth collector

Reference	Description
51380	Terminal strip and earth bar support kit

Lot of 2 parts (1 set).

**!** *Direct fitting on chassis  
1 leg= 2 functions  
(terminal board + earth bar)*

### Terminal strip support bracket

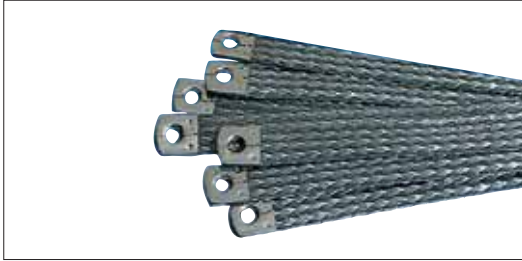


Bracket, section, and terminal strip

Reference	Description
51204	Terminal strip support bracket

Lot of 2 parts.

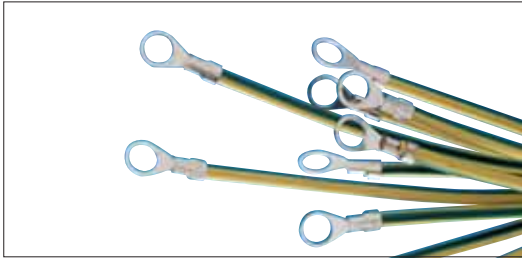
**Earthing braids**



Reference	Section (mm <sup>2</sup> )	Length (mm)	Width (mm)	Ø holes (mm)
<b>21743</b>	16	155	20	8.5
<b>21746</b>	50	200	40	8.5

*Order in multiples of 10 parts.*

**Earth connections**



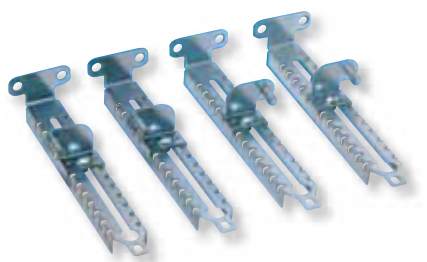
Reference	Section (mm <sup>2</sup> )	Length (mm)	Ø terminal spade tag holes (mm)
<b>21716</b>	6	160	8.3
<b>21735</b>	25	350	8.3

*Order in multiples of 10 parts.*

## Installation accessories

### Notched bars for Spacial 3D wallmounting enclosures in steel and in stainless steel

! Chassis depth adjustment



Reference	For enclosure depth (mm)
51720	200
51725	250
51730	300
51740	400
51731	300 (1)

(1) Lot of 2 bars and 2 brackets for fitting 2 chassis with depth adjustment in wallmounting enclosures of widths of 1000 and 1200 mm and 300 deep.

### Step slides for Thalassa polyester wallmounting enclosures



Reference	For wallmounting enclosure depth (mm)
51211	200
51212	250
51213	300
51214	350



Sections



Combined section

## Sections

Reference	Description
21031	Asymmetrical, 2 m length
21034	Symmetrical (A), length 2 m
21030	Symmetrical (B), length 2 m
63909	DIN section, length 2 m perforated
63910	Combined section, length 2 m

Lot of 10 parts.

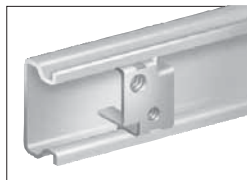
Type A = 35 × 15.

Type B = 35 × 7.5.

## Fixings

### Sliding 1/4 turn nuts

- Clip-on on combined section.
- Two models available, M3/M4 or M5/M6.



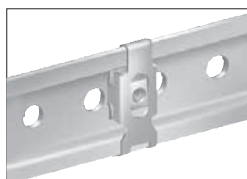
63643 and 63645

Reference 1/4 turn nuts	
M3/M4	M5/M6
<b>63643</b>	<b>63645</b>

Lot of 100 parts.

### Clip-on nuts

- Attach on combined sections and symmetrical sections.



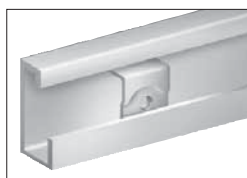
64646 to 64648

Reference ratcheting nuts		
M4	M5	M6
<b>64646</b>	<b>64647</b>	<b>64648</b>

Lot of 100 parts.

### Sliding 1/4 turn nuts

- For asymmetrical sections.



21134 to 21136

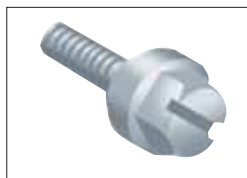
Reference 1/4 turn sliding nuts		
M4	M5	M6
<b>21134</b>	<b>21135</b>	<b>21136</b>

Lot of 100 parts.

### Hexagonal head screw

- Slotted-head screw with attached washer.

Order in multiples of 100 parts.



Thread	Reference hexagonal head slotted screw with attached washer, length (mm)				
	10	12	16	18	20
M4	<b>21090</b>	-	<b>21091</b>	-	-
M5	-	<b>21092</b>	-	<b>21093</b>	-
M6	-	<b>21094</b>	-	<b>21095</b>	-
M8	-	-	-	-	<b>21097 (1)</b>

(1) without attached washer.

## Cable management accessories



### Plastic cable supports

 **Direct clipping on rail**

Reference	Width (mm)	No. maximum of cables
51593	75	5
51594	140	9

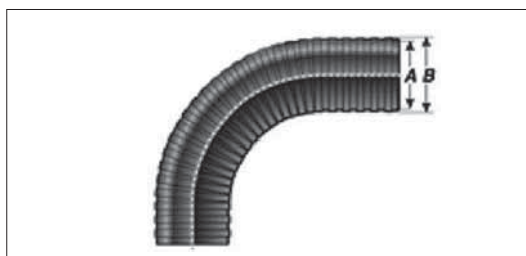
Lot of 10 parts.



### Spiral band

- Spiral band for bundling cables.
- Enables the passage of cables between the body and the door.
- Packaging: 50 m.

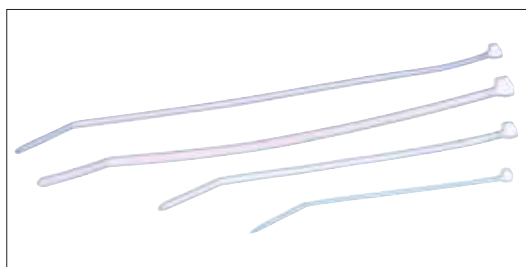
Reference	Color	Clamp area (mm)	Interior (mm)	Exterior (mm)
51595	colorless	12 to 100	9	12



### Cable passage tube

- Cable passage tube with lengthwise slit for bundling cables.
- Enables the passage of cables between the body and the door.
- Packaging: 25 metres.

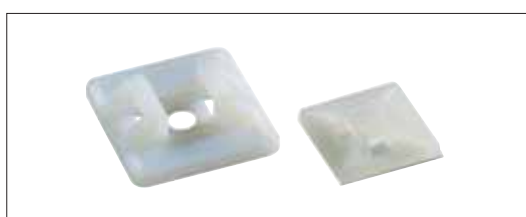
Reference	Color	Ø interior A (mm)	Ø exterior B (mm)
51596	gray	24.1	34.5
51597	gray	29.7	42.1
51598	gray	38	54.1



### Cintura cable ties for cross rails.

Reference	Length (mm)	Width (mm)	Ø maximum clamp (mm)
46902	100	2.5	18
46908	140	3.6	33
46936	200	3.6	50
46914	188	4.6	43

Lot of 100 parts.



### Self-adhesive bases

Reference	For cable tie maximum width (mm)
46104	3.6
46105	4.8

Lot of 100 parts.

## Spacial 3D configured wallmounting enclosures



Send the document to your local SAREL sales office by e-mail or fax

### YOUR CONTACT DETAILS

First/last name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

QUANTITY OF WALLMOUNTING ENCLOSURE(S) \_\_\_\_\_ REFERENCE \_\_\_\_\_ CATALOGUE DIMENSIONS (mm) H \_\_\_\_\_ W \_\_\_\_\_ D \_\_\_\_\_  
 GLAZED DOOR  PLAIN DOOR

COLOR SELECTED ACCORDING TO LIST RAL: \_\_\_\_\_ NF: \_\_\_\_\_ REINFORCED ANTICORROSION COATING

RAL	Yellow	1003	Orange	2000	Red	3000	Blue	5002 5013	Green	6011	Grey	7011 7038	White	9001 9018	Blue	2525	NF	2550						
		1007				2003				3003				5005 5015				6018		7016 7042		9002		1550
		1013				2004								5009				6019		7030		9005		
		1015												5010				6029		7035		9010		
		1018												5012						7036		9016		

HINGES ON THE LEFT  REF. CLOSURE \_\_\_\_\_ AND/OR DESCRIPTION \_\_\_\_\_

**CANOPY**   
PAINTED IN THE COLOR OF THE ENCLOSURE

**WALL FIXING BRACKETS**   
REF. \_\_\_\_\_

**OUTLET GRILL**   
REF. \_\_\_\_\_

**FAN**   
REF. \_\_\_\_\_

**ANTI-INSECT GRILLE**

**LOUVER PLATE**   
REF. \_\_\_\_\_  
FITTED

**CABLE GLAND**   
DIAMETER (mm)  
 Ø 12  QTY \_\_\_\_\_  
 Ø 16  QTY \_\_\_\_\_  
 Ø 20  QTY \_\_\_\_\_  
 Ø 25  QTY \_\_\_\_\_  
 Ø 32  QTY \_\_\_\_\_  
 Ø 40  QTY \_\_\_\_\_

**ENTRIES WITHOUT CONNECTORS**  
 51584  51585  51586   
 51587  51588  51589   
 REF. 51590  51591  51592

**GROUND CONNECTION**

**INTERIOR DOOR**

**DOOR CROSSPIECE**

**DOOR REAR**

**DOOR CONTACT**

**DOOR SCHEME**

**BACK CHASSIS**  
 PLAIN   
 PERFORATED   
 SCREEN PRINTED   
 MICROPERFORATED   
 FITTED

**19" CHASSIS**  
 FIXED   
 PIVOTING   
 FITTED

**THERMOSTAT**   
 87561   
 87562

**PLINTH**  
 PLINTH HEIGHT 100 MM   
 PLINTH HEIGHT 200MM   
 PAINTED IN THE COLOR OF THE ENCLOSURE

**QTY**



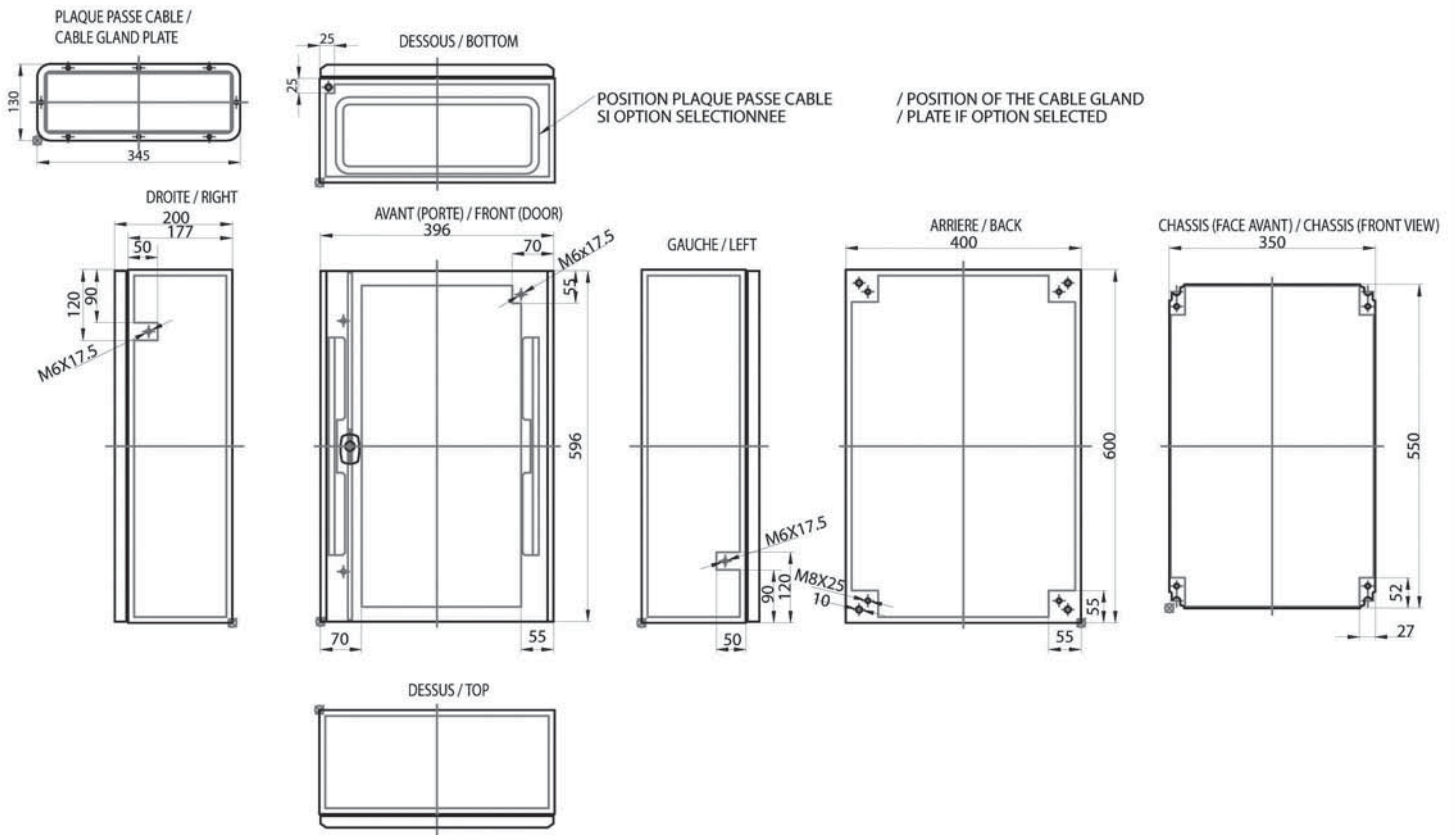
## Spacial 3D configured wallmounting enclosures



### HELP WITH DEFINING MACHININGS

For a faster estimate, please indicate your cutouts on the different sides, then fax the drawing to your SAREL sales branch. For producing your configured wallmounting enclosures with cutouts, the DXF drawings are needed.

<b>DRILLING</b>	ON THE DOOR <input type="checkbox"/>	ON THE CHASSIS <input type="checkbox"/>	ON THE BODY <input type="checkbox"/>	ON THE CABLE GLAND PLATE <input type="checkbox"/>
	QTY <input type="text"/>	QTY <input type="text"/>	QTY <input type="text"/>	QTY <input type="text"/>



Download the configuration sheets and the DXF drawings from the website [www.sarelenclosures.com](http://www.sarelenclosures.com). Send then back to your SAREL agent indicating your modifications. Essential if ordering to take advantage of the configuration timescale.



For any other needs or any other constraints - get in touch with us. SAREL also offers customized solutions to meet your other requirements.



## Four industrial sites in a progress dynamic

In its two French plants, as in its two Spanish plants, quality receives a priority emphasis in the SAREL industrial policy.

It is expressed at all levels of the company in order to better satisfy its customers.

It is demonstrated by the ISO 9001 certification for the design, manufacturing, and distribution of products, and the ISO 14001 certification for environmental protection.



### *Mastery of four industrial trades*

To effectively meet the needs of professionals in electricity, automated systems, electronics, and VDI and telecom networks, SAREL guarantees the mastery of the industrial trades necessary to the fabrication of its products through Quality Assurance.

Spread out over four sites, of a total surface area of 55,000 m<sup>2</sup>, the industrial activities are conducted in separate workshops.

Each of them integrate dedicated production lines with specific functions and production equipment:



- Sheet metal: sheet metal manufacture, painting, and packaging are just-in-time, integrating the technologies of stamping, steel sheeting, folding, and welding with polyurethane joint placement according to a patented process.

- Injection and extrusion of plastics: bimaterial and trimaterial molding, organization by production batches, automatic assembly machines.

- Stainless steel, brushed or microbeaded sheet metal.

- Transformation of thermoset plastics: heat compression of SMC glassfiber reinforced polyester.

### *Quality Assurance close to the production process*

From order processing to shipping, the Total Quality approach covers the design, manufacturing and shipment of products.

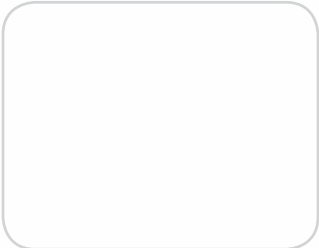
## Configured polyester Thalassa wallmounting enclosures



Send the document to your local SAREL sales office by e-mail or fax

**YOUR CONTACT DETAILS**

First/last name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_



**QUANTITY OF WALLMOUNTING ENCLOSURE(S)**

GLAZED DOOR  PLAIN DOOR   
 HINGES ON THE LEFT

**REFERENCE**

\_\_\_\_\_

OR **CATALOGUE DIMENSIONS (mm)**

HEIGHT	WIDTH	PROF.	
307	/ 164	/ 164	<input type="checkbox"/>
430	/ 200	/ 200	<input type="checkbox"/>
530	/ 200	/ 200	<input type="checkbox"/>
647	/ 250	/ 250	<input type="checkbox"/>
747	/ 300	/ 300	<input type="checkbox"/>
847	/ 300	/ 300	<input type="checkbox"/>
1,056	/ 350	/ 350	<input type="checkbox"/>

### Choice of standard accessories of the configuration

Also check the red box **m** for accessories fitted in the plant.

**WALL FIXING BRACKETS**

POLYESTER

STAINLESS STEEL

**OUTLET GRILLE**  **m**

REF. 87911

**FAN**  **m**

REF. 87901

**THERMOSTAT**

REF. 87562

**DRAINING**  **m**

**STEP SLIDES**  **m**

**BACK CHASSIS**

PLAIN  **m**

PERFORATED  **m**

MODULAR CHASSIS  **m**

**INNER DOOR (fitted)**

**DOOR SCHEME**

**LOCK MODIFICATION**

7 mm SQUARE

8 mm SQUARE

8 mm TRIANGLE

PADLOCKING

**INTERIOR VENTILATION LOUVERS (SET OF 2)**  **m**

## Configured Thalassa wallmounting enclosure



Boxes

Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

Thermal packaging of electrical panels

Technical appendices



### Machinings

For a quick calculation, please indicate the total number of machinings required:

**ON THE BODY (BACK AND SIDES)**

**FOR THE GRILLES, FANS, DRAIN, AND AERATORS**

**OTHER MACHININGS**

**ON THE DOOR**

NB: Each drilling or cutting is a machining. The machining areas are indicated on the DXF drawings.

Download the configuration sheets and the DXF drawings from the website [www.sarelencllosures.com](http://www.sarelencllosures.com)  
Send then back to your SAREL agent indicating your modifications.  
Essential if ordering to take advantage of the configuration timescale.

For any other needs or any other constraints - get in touch with us.  
SAREL also offers customized solutions to meet your other requirements.



Material	Steel floor standing monobloc enclosures			
Name of range	Spacial 18500 universal	Spacial 18500 customized	Spacial 18500 19"	Spacial EMC
Operating environment	Inside, industrial environment			
Sealing	IP55		IP55	IP54
Impact resistance	IK10 or IK08*	IK10 or IK08*	IK10 or IK08*	IK10 or IK08*
Dimensions (mm)	H 1000 to 2000 W 600 to 1600 D 300 to 600		H 1200 to 2000 W 600 and 800 D 300 to 600	H 1200 to 2200 W 300 to 1200 D 400 to 1200
Size of range	134 references			3 references
Transparent/glazed door option	■	■	■	■
Combinability	■	■	■	■
RAL color	7032 and 7035	as required	7032	7032

\* Glazed door version.



\*\*Ask Us.



**Cutting and assembly of your accessories in the plant - see the Spacial 18500 floor standing monobloc enclosure configurator pages 68-69.**



Material	Stainless steel floor standing monobloc enclosures	Polyester floor standing monobloc enclosures
Name of range	Spacial 18500 stainless steel	Thalassa
Operating environment	Inside, outside, agri-food, pharmaceutical, petrochemical, environment	Inside, outside, infrastructures environment
Sealing	IP55	IP65 or IP54
Impact resistance	IK10	IK10 or IK08*
Dimensions (mm)	H 1400 to 2000 W 600 to 1600 D 300 to 600	H 500 to 1500 W 500 to 1250 D 320 to 420
Size of range	16 references	592 references
Transparent/glazed door option	-	■
Combinability	-	■
RAL colors	-	-

\* Glazed door version.



Example: fitted floor standing monobloc enclosure with plain front door.



Example: completely closed floor standing monobloc enclosure with smooth door.



**Cutting and assembly of your accessories in the plant - see the Thalassa floor standing monobloc enclosure configurator pages 70-71.**





### Spacial 18500 steel floor standing monobloc enclosure

#### The universal floor standing monobloc enclosures

- Rigidity and sealing.
- Simplicity of implementation, practical.



### Spacial 18500 stainless steel floor standing monobloc enclosures

- Sealing.
- Robust and durable.
- Practical and time-saving.
- Compatible with the other ranges.
- Sterile.
- Corrosion resistant.
- Aesthetic.



### Thalassa polyester floor standing monobloc enclosures

- Sealing.
- Life span.
- Ease.
- Selection.

**Spacial 18500 floor standing monobloc enclosures**  
**The universal steel floor standing monobloc enclosure**

*Select:*

- Plain door:
- With plain chassis: 49 references.
- Without plain chassis: 49 references.
- Glazed door without plain chassis: 25 references.
- Glazed door without plain chassis, RAL 7035: 11 references.

*Rigidity and sealing*

- Bifolding profile on front side.
- Closure system outside sealed area:
- 2 closure points for heights of 1000 and 1400 mm,
- 4 closure points for heights of 1600 and 2000 mm,

*Simplicity of implementation*

- Slide rails with perforations 25 mm apart enable the depth adjustment of material support chassis.

**Spacial 18500 stainless steel floor standing monobloc enclosures**

*Sealing*

- IP55 (EN 60529) protection level: complete protection against dust and water spray.
- 3 point lock.
- Canopy (optional):
- Cable gland plate with a neoprene seal.

*Robust and durable*

- External mechanical impact resistance: IK10 according to EN 50102.
- Three fully stainless steel hinges.
- Door reinforcement frame.

*Practical and time-saving*

- Stainless steel plinth for cable entry
- Reversible door, 120° opening.
- Slide rails with perforations 25 mm apart.
- Perforated reinforcement frame makes it easy to assemble accessories on the door.

**Thalassa polyester floor standing monobloc enclosures**

*Sealing*

- IP65 for the fully closed floor standing monobloc enclosure.
- IP54 for any other version.
- Closure system outside sealed area.

*Life span*

- Glassfiber-reinforced polyester, ensuring high rigidity and resistance to external impacts, necessary for installation at an urban site.

*Select*

- 40 dimensions.
- 4 architecture versions.
- 3 types of doors.

### Interior installation clean and unclean premises (industrial environment)



*The response:*  
*Spacial 18500 floor standing monobloc enclosures*

#### Technical features

- Sealing: IP55.
  - Protection against impacts: IK10 or IK08.
  - Combinable.
  - Front door:
    - the double doors are equipped with 2 locking points for the door and inner door,
    - plain, with reinforcement frame for closets 1400 to 2000 mm tall, with a vertical section for closets 1000 to 1200 mm tall,
    - transparent in laminated glass and mechanical fixing.
  - Closure: swiveling handle (insert to be ordered separately).
  - 4 chassis support brackets.
  - Supplied with or without plain galvanized chassis according to reference.
  - Cable gland plate in 2 parts, supplied originally.
  - Plinths 100 and 200 mm high, optional.
  - Color RAL 7032
- Certifications**
- UL, CUL, BV, LROS, LCIE.

### Interior installation, high hygiene and corrosion-resistance requirements (agri-food, pharmaceutical, petrochemical environments)



*The response:*  
*Spacial 18500 stainless steel floor standing monobloc enclosures*

#### Technical features

- Sealing: IP55.
- Stainless steel 304L.
- Protection against impacts:
  - IK10 enclosure with plain front door.

#### Brushed finish

- Stainless steel 304L floor standing monobloc enclosure, 15/10 mm thick, brushed finish, door thickness 15/10 mm, opening to 120° with fitted reinforcement frame.
- 3-point locking, handle with key 1242E, acceptable load 50kg.
- Supplied with 4 chassis support brackets.
- Cable gland plate in 1 part, supplied originally.

#### Microbeaded finish

- Finish making it possible to limit the adherence of any substance, to disinfect, even to sterilize.
- Stainless steel quality 304L or 316L, thickness 15/10 mm.
- Cross rails with perforations 25 mm apart.
- Door with handle lock, painted zamac, key 1242E.
- Cable gland plate in 1 part, supplied originally.

### Interior or exterior installation (infrastructures)

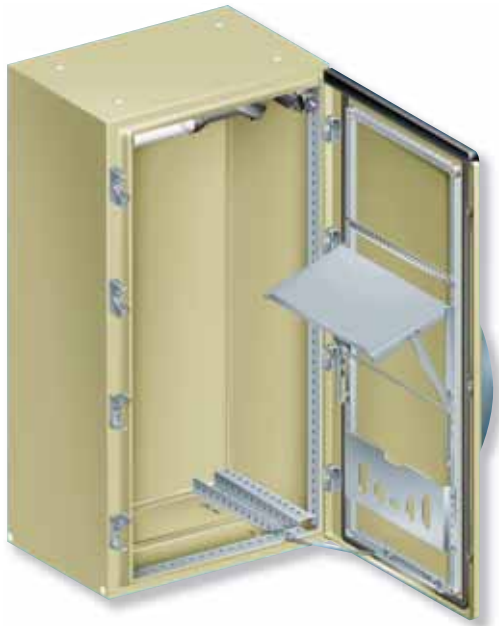


*The response:*  
*Thalassa polyester floor standing monobloc enclosures*



#### Technical features

- Sealing IP65 in closed version and IP54 in the other versions (self-ventilated with canopy, lower open 60 mm plinth, and self-ventilated with canopy, lower section open, 60 mm type plinth).
- Mechanical resistance IK10 and IK08 (glazed-door version).
- Temperature protection: -50 °C ...+150 °C
- Resists the main corrosive chemical and atmospheric agents.
- Protection against fire (self-extinguishing at 960 °C).
- Total insulation compatible with class 2.
- Reversible door with 180° opening angle for the self-ventilating version with canopy and open lower section, and a 120° opening angle for the other versions.
- Select a front door: smooth, glazed, or with anti-posting texture. Possibility of front and rear door.
- Locking system: double 5 mm bar insert, other optional.
- Locking outside sealed zone, with 2 locking system point up to a 750 mm high, with 4 locks points from 1000 mm.
- Possibility of horizontal or vertical coupling and specific assembly in depth.
- Direct fitting to floor or through a plinth (optional).
- Wall fixing lugs (optional).
- Hot press molded polyester floor standing monobloc enclosure, in gray RAL 7032 color.



### Environment

- Use **Internal** or **External**? .....
- Type of ambient environment: **Normal**, **Saline**, **Corrosive** (which products?) .....
- Is a canopy required? (Y/N).....
- Type of material required (**Steel/ Stainless Steel/ Polyester**).....

### Technical definition

- Height (mm).....
- Width (mm) .....
- Depth (mm) .....
- IP .....
- IK .....
- Color RAL .....
- Type of coating.....
- Stainless steel finishes: brushed or glass bead blasted .....
- Type of closure, to be specified .....
- Visibility: **Glazed door**, **Window** .....
- Type of chassis: **Plain**, **Telequick**, **Other** .....
- Loads to be borne: by enclosure, doors and panels.....
- Electrical continuity by means of earthing strip, or other (to be specified) .....
- Cable entry via cable gland plate.....
- Fitting by fixing **Lugs** or **Direct fixing** .....
- Plinth: specify the height 100 or 200 mm.....
- Lighting (Y/N).....

### Customization. See customization help on pages 68 to 69

- Description of machinings (plans, sketches).....
- Electrical continuity by means of grounding strip, or other (to be specified) .....
- Standard accessories fitted .....
- Specific accessories to be supplied (plans, sketches) .....
- Application of image: screen print, sticker .....

### Thermal

- Air louvers or **Ventilation** grilles.....
- Forced ventilation.....
- Heating element .....
- Air-conditioning .....
- External temperature range.....
- Internal temperature range.....

### Logistics

- Place of delivery .....
- Special delivery information? .....
- Special unloading information?.....



External dimensions (mm)			No. of front doors	Special 18500 steel floor standing monobloc enclosure IP55				Accessories	
				RAL 7032		RAL 7035		RAL 7011 plinth	
Height	Width	Depth		Plain front door		Transparent front door	Plain front door	Height 100 mm	Height 200 mm
				Without chassis	With chassis	Without chassis	Without chassis		
1000	1000	300	2	18501	18601	-	-	69103	69303
1200	800	300	1	18502	18602	18852	-	69083	69283
	1000	300	2	18503	18603	-	-	69103	69303
	1200	400	2	18534	18634	-	18734	69124	69324
1400	600	300	1	18505	18605	18854	-	69063	69263
		400	1	18535	18635	18864	-	69064	69264
	800	300	1	18506	18606	18855	-	69083	69283
		400	1	18536	18636	18865	-	69084	69284
	1000	300	2	-	-	-	-	-	-
		400	2	18537	18637	-	-	69104	69304
	1200	400	2	18538	18638	-	-	69124	69324
1600	600	300	1	18509	18609	18856	-	69063	69263
		400	1	18539	18639	18866	-	69064	69264
	800	300	1	18510	18610	18857	-	69083	69283
		400	1	18540	18640	18867	18740	69084	69284
	1000	300	2	18511	18611	-	-	69103	69303
		400	2	18541	18641	-	-	69104	69304
	1200	300	2	18512	18612	-	-	69123	69323
		400	2	18542	18642	-	18742	69124	69324
1800	600	300	1	18513	18613	18858	-	69063	69263
		400	1	18543	18643	18868	18743	69064	69264
		500	1	18520	18620	18874	-	69065	69265
		600	1	18521	18621	18880	-	69066	69266
	800	300	1	18514	18614	18859	-	69083	69283
		400	1	18544	18644	18869	18744	69084	69284
		500	1	18561	18661	18875	-	69085	69285
		600	1	18571	18671	18881	-	69086	69286
	1000	400	1	18556	18656	-	18756	69104	69304
		400	2	18545	18645	-	18745	69104	69304
		500	2	18562	18662	-	-	69105	69305
	1200	400	2	18546	18646	-	18746	69124	69324
		500	2	18563	18663	-	-	69125	69325
	1600	400	2	18547	18647	-	-	69164	69364
		500	2	18564	18664	-	-	69165	69365
2000	600	300	1	18518	18618	18861	-	69063	69263
		400	1	18548	18648	18871	-	69064	69264
		500	1	18522	18622	18876	-	69065	69265
		600	1	18523	18623	18882	-	69066	69266
	800	300	1	18519	18619	18862	-	69083	69283
		400	1	18549	18649	18872	18749	69084	69284
		500	1	18566	18666	18877	-	69085	69285
		600	1	18576	18676	18883	-	69086	69286
	1000	400	2	18550	18650	-	18750	69104	69304
		500	2	18567	18667	-	-	69105	69305
	1200	400	2	18551	18651	-	18751	69124	69324
		500	2	18568	18668	-	-	69125	69325
		600	2	18578	18678	-	-	69126	69326
	1600	400	2	18552	18652	-	-	69164	69364
		500	2	18569	18669	-	-	69165	69365
		600	2	18579	18679	-	-	69166	69366



Lifting eye.  
Lot of 4 parts

Reference
17165



Door stop  
Ref. 64681

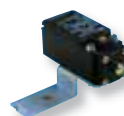
Adhesive document pocket

Ref.	Document pocket		
	Format	Material	Depth (mm)
21322	A4	Plastic	22
21323	A4	Plastic	40
21317	A3	Plastic	35



Door contact  
O + C

Reference
64680



Wall fixing lugs

Reference
17158

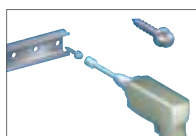


Lighting

Reference	Type
21415	France - UTE (16 A plug)
21416	Germany - VDE
21417	UK - BS (British Standard)
21465	voltage 115 V
21466	Switzerland - CH

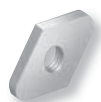


External dimensions (mm)			Spacial 18500 stainless steel floor standing monobloc enclosure								Plain galvanized chassis	Standard vertical rails	Technical vertical rails
			Brushed finish				Microbeaded blasted finish						
H	W	D	Plain front door	304L stainless steel plinth		Plain front door	Plain front door	304L stainless steel plinth					
			304L stainless steel	Height 100 mm	Height 200 mm	304L stainless steel	316L stainless steel	Height 100 mm	Height 200 mm				
1000	1000	300	-	-	-	-	-	-	-	63911	-	63830	
1200	800	300	-	-	-	-	-	-	-	63915	-	63832	
	1000	300	-	-	-	-	-	-	-	63912	-	63832	
	1200	400	-	-	-	-	-	-	-	63913	-	63832	
1400	600	300	-	-	-	-	-	-	-	63933	-	63834	
		400	-	-	-	-	-	-	-	63933	-	63834	
	800	300	-	-	-	-	-	-	-	63934	-	63834	
		400	-	-	-	-	-	-	-	63934	-	63834	
	1000	300	18161	69340	69353	-	-	69421	69432	63935	-	63834	
		400	-	-	-	-	-	-	-	63935	-	63834	
	1200	400	-	-	-	-	-	-	-	63936	-	63834	
1600	600	300	-	-	-	-	-	-	-	63918	-	63836	
		400	-	-	-	-	-	-	-	63918	-	63836	
	800	300	-	-	-	-	-	-	-	63919	-	63836	
		400	18162	69330	69345	-	-	69400	69410	63919	-	63836	
	1000	300	-	-	-	-	-	-	-	63916	-	63836	
		400	-	-	-	-	-	-	-	63916	-	63836	
	1200	300	-	-	-	-	-	-	-	63917	-	63836	
		400	-	-	-	-	-	-	-	63917	-	63836	
1800	600	300	-	-	-	-	-	-	-	63920	63818	63838	
		400	18142	69338	69344	-	-	69409	69423	63920	63818	63838	
		500	-	-	-	-	-	-	-	63920	63818	63838	
		600	-	-	-	-	-	-	-	63920	63818	63838	
	800	300	-	-	-	-	-	-	-	63921	63818	63838	
		400	18141	69330	69345	18101	18116	69400	69410	63921	63818	63838	
		500	-	-	-	-	-	-	-	63921	63818	63838	
		600	-	-	-	-	-	-	-	63921	63818	63838	
	1000	400	-	-	-	-	-	-	-	63922	63818	63838	
		400	-	-	-	-	-	-	-	63922	63818	63838	
		500	-	-	-	-	-	-	-	63922	63818	63838	
	1200	400	18144	69332	69347	18104	18109	69402	69412	63923	63818	63838	
		500	-	-	-	-	-	-	-	63923	63818	63838	
	1600	400	18145	69333	69348	18105	18110	69403	69413	63924	63818	63838	
		500	-	-	-	-	-	-	-	63924	63818	63838	
2000	600	300	-	-	-	-	-	-	-	63925	63820	63840	
		400	-	-	-	-	-	-	-	63925	63820	63840	
		500	-	-	-	-	-	-	-	63925	63820	63840	
	800	300	-	-	-	-	-	-	-	63926	63820	63840	
		400	-	-	-	-	-	-	-	63926	63820	63840	
		500	18153	69335	69350	-	-	69420	69431	63926	63820	63840	
		600	-	-	-	-	-	-	-	63926	63820	63840	
	1000	400	18148	69331	69346	18112	18117	69401	69411	63927	63820	63840	
		500	-	-	-	-	-	-	-	63927	63820	63840	
	1200	400	-	-	-	-	-	-	-	63928	63820	63840	
		500	18154	69337	69352	18124	18129	69404	69414	63928	63820	63840	
		600	-	-	-	-	-	-	-	63928	63820	63840	
	1600	400	-	-	-	-	-	-	-	63931	63820	63840	
		500	-	-	-	-	-	-	-	63931	63820	63840	
		600	18160	69342	69357	18135	18140	69408	69418	63931	63820	63840	



Self-piercing screw

Reference
21139



Flat nuts for standard vertical rails

Reference	
M6	M8
21064	21063



Pivoting nuts for technical vertical rails

Reference	
M6	M8
64746	64748



Notched sliding 1/4 turn nuts

Reference	
M6	M8
64626	64628
64636	64638

## Full services to better integrate your needs

The SAREL organization, skills, and resources adapt to your requirements.

### Customized Solution

In order to serve you quickly and to provide solutions adapted to your needs, SAREL has created:



- The Configured offer: a standard product upgraded to your needs. From the standard offer, SAREL conducts for you the in-plant fitting of the accessories, cut-outs, and paint included in the ranges



- The Specific Solution: a product custom developed for you. SAREL creates the enclosure meeting your requirements. Custom dimensions, special colors, custom accessories, thermal integration, casings.



### Order processing in real time

Orders are registered automatically, which makes it possible to process them in real time. Direct access to the EDI system for orders is open to our customers in order to improve turnaround time.



### Automated logistics

The SAREL logistics centers located at Sarre-Union (France) and at Sant Boi (Spain) represent 25,000 m<sup>2</sup> and dedicate a large space to automation. Their flexible organization makes it possible to adapt order processing and shipment depending on orders, within guaranteed deadlines.

### Selection guides, digital rulers, configurators, and software

To help you in the configuration of your enclosures, SAREL provides you with tools on CD-ROM or on its website:



- Selection guides for wallmounting enclosures, floor standing monobloc enclosures, floor standing suitable enclosures, and consoles.
- Configurators for wallmounting enclosures, floor standing monobloc enclosures, and floor standing suitable enclosures.
- Thermal-assessment calculation software: PROclima 4.0.
- Digital rulers downloadable at [www.sarelenclosures.com](http://www.sarelenclosures.com)



External dimensions (mm)			Type of floor standing monobloc enclosure	Plain door				Glazed door	Anti-posting door and rear panel
Height	Width	Depth		No. of doors	Fully closed IP65	Open lower section type plinth IP54	Self-ventilating with canopy and closed lower section IP54	Self-ventilating with canopy and open lower section IP54	Fully closed IP65
Door opening angle: 120°									
500	500	320	1	79000	79080	79040	79120	79160	79630
500	500	420	1	79020	79100	79060	79140	79180	79631
500	750	320	1	79001	79081	79041	79121	79161	79632
500	750	420	1	79021	79101	79061	79141	79181	79633
500	1000	320	2	79010	79090	79050	79130	79170	79634
500	1000	420	2	79030	79110	79070	79150	79190	79635
500	1250	320	2	79011	79091	79051	79131	79171	79636
500	1250	420	2	79031	79111	79071	79151	79191	79637
750	500	320	1	79002	79082	79042	79122	79162	79442
750	500	420	1	79022	79102	79062	79142	79182	79462
750	750	320	1	79003	79083	79043	79123	79163	79443
750	750	420	1	79023	79103	79063	79143	79183	79463
750	1000	320	2	79012	79092	79052	79132	79172	79452
750	1000	420	2	79032	79112	79072	79152	79192	79472
750	1250	320	2	79013	79093	79053	79133	79173	79453
750	1250	420	2	79033	79113	79073	79153	79193	79473
1000	500	320	1	79004	79084	79044	79124	79164	79444
1000	500	420	1	79024	79104	79064	79144	79184	79464
1000	750	320	1	79005	79085	79045	79125	79165	79445
1000	750	420	1	79025	79105	79065	79145	79185	79465
1000	1000	320	2	79014	79094	79054	79134	79174	79454
1000	1000	420	2	79034	79114	79074	79154	79194	79474
1000	1250	320	2	79015	79095	79055	79135	79175	79455
1000	1250	420	2	79035	79115	79075	79155	79195	79475
1250	500	320	1	79006	79086	79046	79126	79166	79446
1250	500	420	1	79026	79106	79066	79146	79186	79466
1250	750	320	1	79007	79087	79047	79127	79167	79447
1250	750	420	1	79027	79107	79067	79147	79187	79467
1250	1000	320	2	79016	79096	79056	79136	79176	79456
1250	1000	420	2	79036	79116	79076	79156	79196	79476
1250	1250	320	2	79017	79097	79057	79137	79177	79457
1250	1250	420	2	79037	79117	79077	79157	79197	79477
1500	500	320	1	79008	79088	79048	79128	79168	79448
1500	500	420	1	79028	79108	79068	79148	79188	79468
1500	750	320	1	79009	79089	79049	79129	79169	79449
1500	750	420	1	79029	79109	79069	79149	79189	79469
1500	1000	320	2	79018	79098	79058	79138	79178	79458
1500	1000	420	2	79038	79118	79078	79158	79198	79478
1500	1250	320	2	79019	79099	79059	79139	79179	79459
1500	1250	420	2	79039	79119	79079	79159	79199	79479



Door contact Ref. **64682**



Adhesive A4 document pocket Ref. **21322**



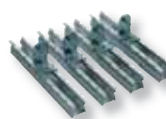
Door stopper for 120° doors Ref. **79815**



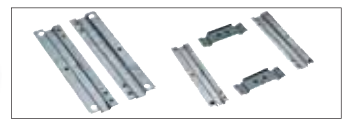
M8 inserts Ref. **51361**  
Lot of 8 parts



Door stopper with 2 positions Ref. **79689**



Step slides



Adaptor plates

Floor standing monobloc enclosure depth (mm)	No. of doors	Ref. Step slides for closed or open floor standing monobloc enclosures	Plate for open floor standing monobloc enclosures
320	1	<b>79900</b>	+ <b>79902</b>
420	1	<b>79901</b>	+ <b>79903</b>
320	2	2 × <b>79900</b>	+ <b>79904</b>
420	2	2 × <b>79901</b>	+ <b>79905</b>



**Recommended for exterior installations**

Canopy	Plinth h = 60 mm  For closed lower section closet.	Semi-buried plinth h = 900 mm  For open lower section floor standing monobloc enclosure.	Interior door	Chassis							Technical vertical rails
				Plain Steel	Insulating	Perforated	19" Fixed	No. of U	Pivoting	No. of U	
79800	79700	79720	79670	55510	55311	55403	-	-	-	-	63827
79804	79704	79724	79670	55510	55311	55403	-	-	-	-	63827
79801	79701	79721	79671	55511	55312	55404	79650	8	-	-	63827
79805	79705	79725	79671	55511	55312	55404	79650	8	79660	7	63827
79802	79702	79722	2 × 79670	55512	55313	2 × 55403	-	-	-	-	63827
79806	79706	79726	2 × 79670	55512	55313	2 × 55403	-	-	-	-	63827
79803	79703	79723	79670 + 79671	55510 + 55511	55311 + 55312	55403 + 55404	-	-	-	-	63827
79807	79707	79727	79670 + 79671	55510 + 55511	55311 + 55312	55403 + 55404	-	-	-	-	63827
79800	79700	79720	79672	55511	55312	55405	-	-	-	-	63829
79804	79704	79724	79672	55511	55312	55405	-	-	-	-	63829
79801	79701	79721	79673	55513	55314	55406	79651 + 79691	12	-	-	63829
79805	79705	79725	79673	55513	55314	55406	79651 + 79691	12	79661 + 79691	11	63829
79802	79702	79722	2 × 79672	55514	55315	2 × 55405	-	-	-	-	63829
79806	79706	79726	2 × 79672	55514	55315	2 × 55405	-	-	-	-	63829
79803	79703	79723	79672 + 79673	55515	55316	55405 + 55406	-	-	-	-	63829
79807	79707	79727	79672 + 79673	55515	55316	55405 + 55406	-	-	-	-	63829
79800	79700	79720	79674	55516	55317	55407	-	-	-	-	63830
79804	79704	79724	79674	55516	55317	55407	-	-	-	-	63830
79801	79701	79721	79675	55517	55318	55408	79652 + 79692	17	-	-	63830
79805	79705	79725	79675	55517	55318	55408	79652 + 79692	17	79662 + 79692	16	63830
79802	79702	79722	2 × 79674	55518	55319	2 × 55407	-	-	-	-	63830
79806	79706	79726	2 × 79674	55518	55319	2 × 55407	-	-	-	-	63830
79803	79703	79723	79674 + 79675	55519	55320	55407 + 55408	-	-	-	-	63830
79807	79707	79727	79674 + 79675	55519	55320	55407 + 55408	-	-	-	-	63830
79800	79700	79720	79676	55520	55321	55409	-	-	-	-	63833
79804	79704	79724	79676	55520	55321	55409	-	-	-	-	63833
79801	79701	79721	79677	55521	55322	55410	79653 + 79693	21	-	-	63833
79805	79705	79725	79677	55521	55322	55410	79653 + 79693	21	79663 + 79693	20	63833
79802	79702	79722	2 × 79676	55522	55323	2 × 55409	-	-	-	-	63833
79806	79706	79726	2 × 79676	55522	55323	2 × 55409	-	-	-	-	63833
79803	79703	79723	79676 + 79677	55523	55324	55409 + 55410	-	-	-	-	63833
79807	79707	79727	79676 + 79677	55523	55324	55409 + 55410	-	-	-	-	63833
79800	79700	79720	79678	55524	55325	55411	-	-	-	-	63835
79804	79704	79724	79678	55524	55325	55411	-	-	-	-	63835
79801	79701	79721	79679	55525	55326	55413	79654 + 79694	26	-	-	63835
79805	79705	79725	79679	55525	55326	55413	79654 + 79694	26	79664 + 79694	25	63835
79802	79702	79722	2 × 79678	55526	55327	2 × 55411	-	-	-	-	63835
79806	79706	79726	2 × 79678	55526	55327	2 × 55411	-	-	-	-	63835
79803	79703	79723	79678 + 79679	55527	55328	55411 + 55413	-	-	-	-	63835
79807	79707	79727	79678 + 79679	55527	55328	55411 + 55413	-	-	-	-	63835



Polyester cable gland plate for installation in floor standing monobloc enclosures with open lower section

For floor standing monobloc enclosure (mm)		Reference
Depth	Width	
320	500	79910
	750	79911
	1000	79912
	1250	79913
420	500	79914
	750	79915
	1000	79916
	1250	79917



1/4 turn nuts	
M6	M8
63626	64628
63636	64638



Toggle-nuts	
M6	M8
64746	64748

Boxes

Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

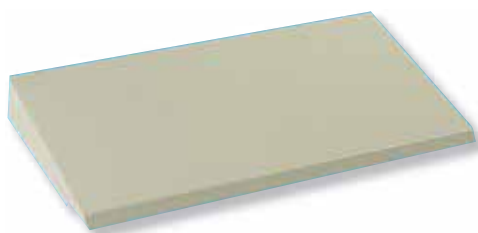
Thermal packaging of electrical panels

Technical appendices

### Assembly accessories

#### Canopy for Spacial 18500 steel floor standing monobloc enclosure

**Recommended for exterior installations**



Reference	For floor standing monobloc enclosure (mm)	
	Width	Depth
18260	600	300
18261	600	400
18280	600	500
18281	600	600
18265	800	300
18266	800	400
18282	800	500
18283	800	600
18267	1000	300
18268	1000	400
18284	1000	500
18270	1200	300
18271	1200	400
18285	1200	500
18286	1200	600
18279	1600	400
18287	1600	500
18288	1600	600
18290	2000	500
18295	2400	500

#### Canopy for stainless steel floor standing monobloc enclosure

**Recommended for exterior installations**

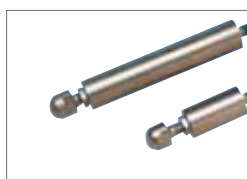


Reference	For floor standing monobloc enclosure (mm)	
	Width	Depth
18300	800	400
18301	1000	400
18302	1200	400
18303	1600	400
18304	600	400
18306	1200	500
18307	800	500
18309	1000	300
18311	1600	600

### Accessories for the base

#### Hygienic stainless steel feet

**Enables cleaning under the floor standing monobloc enclosures**



Hygienic feet



Castors

Reference	Height (mm)
63740	100
63741	200

#### Castors with locking fitted on plinth

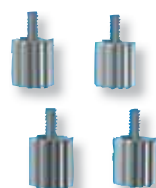
Reference
11501

Lot of 4 parts.

#### Screw jacks

Reference	Height
11400	Fixed
63469	Adjustable

Lot of 4 parts. Maximum permissible load per screw jack: 100 kg.



Screw jacks Ref. 11400



Screw jacks Ref. 63469

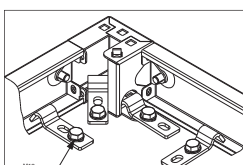
#### Plinth fixing to the ground

**Plinth fastening to the ground**

Reference
69030



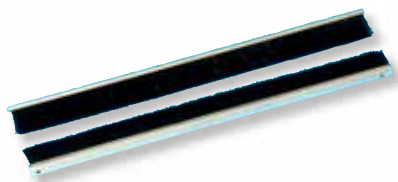
Fixing to the ground Ref. 69030



## Cable entry accessories

### Technical seal

! **Brush for facilitating cable passage**



Reference	Number	Plate for cable pass through width (mm)
17171	1	600
17172	1	800
17173	1	1000
17171 × 2	2	1200
17172 × 2	2	1600

## Door and door accessories

### Interior door



Reference	For floor standing monobloc enclosure	
	Height (mm)	Width (mm)
63496	1800	600
63498	1800	600
63500	1800	1000
63506	2000	600
63508	2000	800
63510	2000	1000

Reference doors 63500 and 63510 cannot be fitted on double-door floor standing monobloc enclosures.

### 180° hinge



Reference
17199

Not applicable to stainless steel.

### Cross rails



Reference	For door width (mm)
64665	500
64666	600
64668	800
64670	1000

### Door cross rails



Reference	For door width (mm)
64671	400
64672	500
64673	600
64674	800
64675	1000

### Door document lectern



Reference	For door width (mm)
12005	500
12006	600
12008	800

### Steel document pocket



Reference	For door width (mm)
64086	600
64088	800

### Door recentering castors

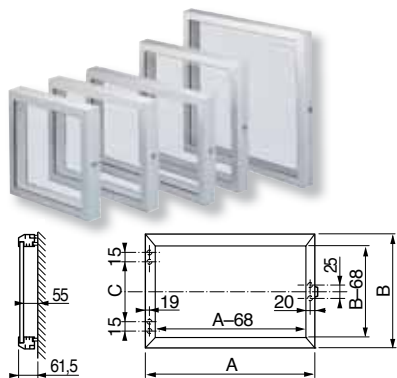


Reference	Description
64625	Recentering castor

Not applicable to stainless steel.

### Viewing accessories

#### Door window, IP54 altuglas and aluminum frame



Closure by a No. 1242 E lock, type 911 B RONIS.

Reference	Door porthole (mm)		
	A	B	C
17644	400	400	220
17645	500	400	220
17646	600	400	220
17647	800	400	220
17655	500	500	320
17656	500	600	320
17657	600	500	320
17658	800	500	320
17666	600	600	420

### Locking accessories

#### Locking system for Spacial 18500 steel floor standing monobloc enclosure

##### Standard lock

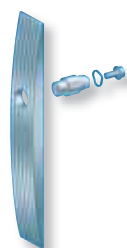


Insert shape fitted on adaptor		Cylindrical barrel fitted on adaptor	
Reference	Description	Reference	Description
63650	6 mm square	63700	405 E key
63651	7 mm square	63701	421 E key
63652	8 mm square	63702	455 key
63653	8 mm square with slot	63703	1242 E key
63660	6.5 mm triangle CNOMO	63704	1332 E key
63661	7 mm triangle	63705	2131 A key
63662	8 mm triangle	63706	2132 A key
63663	9 mm triangle	63707	2331 A key
63664	10 mm triangle	63708	2433 A key
63670	3 mm double bar	63709	2452 E key
63671	5 mm double bar	63710	3113 A key
		63711	3122 E key
		63712	3123 A key
		63713	3133 A key
		63714	3422 E key
		63715	3432 E key

##### Handle and kit

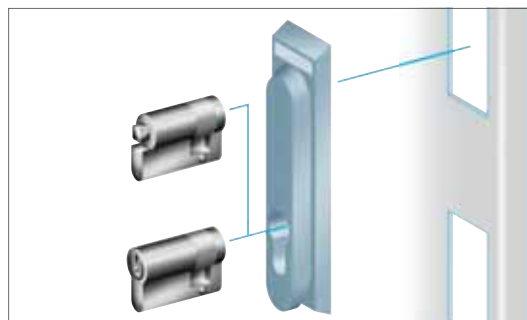
Reference	Description
63600	Spare standard handle

##### Lock without handle



Ref.	Description	Insert shapes	
Reference	Description	Reference	Description
63750	Escutcheon plate	63753	Male 7 mm square insert
		63754	Female 8 mm square insert
		63756	6.5 mm triangle insert
		63752	8 mm triangle insert
		63751	Double bar Ø 5 mm insert
		63755	Screwdriver slot insert

#### Closure system for Spacial 18500 steel and stainless steel floor standing monobloc enclosure



Reference	Description*	Packaging
51383	5 mm double bar	1
51384	6 mm male square	1
51385	7 mm male square	1
51386	8 mm male square	1
51387	6.5 mm male triangle	1
51388	8 mm male triangle	1
51389	Padlockable	1

\* Only on 304L stainless steel floor standing monobloc enclosures.

## Earthing accessories

### Earthing braids and earth connections

■ See enclosures section page 44.

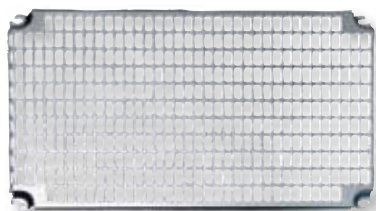
## Installation accessories

### Partial plain chassis



Reference	Height (mm)	Width (mm)
19255	247	505
19256	397	505
19257	597	505
19258	247	705
19259	597	705
19260	247	905
19261	597	905
19262	247	1105
19263	597	1105

### Telequick grille



Enclosure width (mm)	Reference	Fixing spacing (mm)		Useful surface (dm <sup>2</sup> )
		Width	Height	
600	64032	450	200	11.4
	64034	450	425	22.8
	64036	450	575	30.4
	64038	450	800	41.9
800	64052	650	200	15.9
	64054	650	425	31.8
	64056	650	575	42.4
1000	64058	650	800	58.4
	64062	850	200	20.4
	64064	850	425	40.8
	64066	850	575	54.4
1200	64068	850	800	74.9
	64072	1050	200	24.9
	64074	1050	425	49.9
1600	64076	1050	575	66.5
	64078	1050	800	91.5
1600	Order 2 plates corresponding to 800 mm width references			

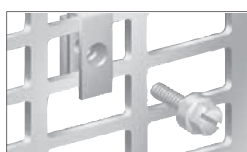
### Possibilities of assembly on perforated plates

- Assembly on vertical rails.
- The fixing points of the technical vertical rails are still accessible after the perforated plates are fitted.

Height of the floor standing monobloc enclosure (mm)	Floor standing monobloc enclosure width (mm)					Vertical rails
	600	800	1000	1200	1600 (1)	Reference
1000	-	-	1 × 64068	-	-	63830
1200	-	2 × 64054	2 × 64064	2 × 64074	-	63832
1400	2 × 64036	2 × 64056	2 × 64066	2 × 64076	-	63834
1600	1 × 64038	1 × 64058	1 × 64068	1 × 64078	-	63836
	1 × 64036	1 × 64056	1 × 64066	1 × 64076	-	
1800	3 × 64034	3 × 64054	3 × 64064	3 × 64074	6 × 64054	63838
	1 × 64032	1 × 64052	1 × 64062	1 × 64072	2 × 64052	
2000	3 × 64036	3 × 64056	3 × 64066	3 × 64076	6 × 64056	63840

(1) Fitting on 4 vertical rails ref. 63838 (1800 mm) or 63840 (2000 mm) This fitting leaves a 90 mm free space between the plates for installing the channels with the supports ref. 55904.

### Clip-nuts for fitting on grilles



Reference	Thread
21163	M3
21164	M4
21165	M5
21166	M6

Lot of 100 parts.



Single



Universal



Brackets for cross rail  
Ref. 17150  
Lot of 4 parts.  
To be used to support  
a 1 row cross rail in  
depth. Fit vertically in  
rear of floor standing  
monobloc enclosure  
a 1 row cross rail.

### 1 row cross

Reference set of 2 cross		Floor standing monobloc enclosures width or depth (mm)	Load (1) (kg)
Single	Universal		
64161	64694	400	60
64162	64695	500	60
64163	64696	600	50
64165	64698	800	40
-	64715	1000	(2)
-	64716	1200	(2)
-	64717	1400	(2)
-	64718	1600	(2)
-	64719	1800	(2)
-	64720	2000	(2)

(1) Uniformly spread over 2 cross rails.

(2) Only for vertical fitting.

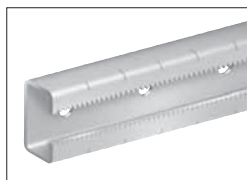
Lot of 4 parts.



### Top and bottom adjustment rail for fitting uprights

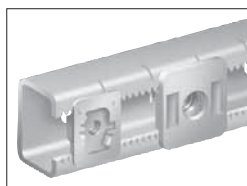
Reference	For floor standing monobloc enclosure depth (mm)
64596	300
64597	400
64598	500
64599	600

Not applicable to stainless steel.



### C rail for heavy loads

Reference	Rail Length (mm)
63908	2000



64626/28 and 64636/38

### Sliding 1/4 turn nuts

■ Clip on C section.

Reference 1/4 turn nuts	
M6	M8
64626	64628
64636	64638



Sections



Combined section

### Symmetrical, asymmetrical, and combined rails, and nuts for rails

Reference	Description
21031	Asymmetrical, 2 m length
21034	Symmetrical (A), length 2 m
21030	Symmetrical (B), length 2 m
63909	DIN rail, length 2 m perforated
63910	Combined rail, length 2 m

Lot of 10 parts

### Fixings

#### Sliding 1/4 turn nuts

- Clip-on on combined section.
- Two models available, M3/M4 or M5/M6.

Reference 1/4 turn nuts	
M3/M4	M5/M6
63643	63645

Lot of 100 parts.

#### Clip-on nuts

- Attach on combined sections and symmetrical sections.

Reference clip on nuts		
M4	M5	M6
64646	64647	64648

Lot of 100 parts.

#### Sliding 1/4 turn nuts

- For asymmetrical sections.

Reference 1/4 turn sliding nuts		
M4	M5	M6
21134	21135	21136

Lot of 100 parts.

#### Hexagonal head screw

- Slotted-head screw with attached washer.

Order in multiples of 100 parts.

Thread	Reference hexagonal head slotted screw with attached washer, length (mm)				
	10	12	16	18	20
M4	21090	-	21091	-	-
M5	-	21092	-	21093	-
M6	-	21094	-	21095	-
M8	-	-	-	-	21097 (1)

(1) Without attached washer.

### Cable management accessories

- See wallmounting enclosures section page 47.

# Floor standing monobloc enclosures

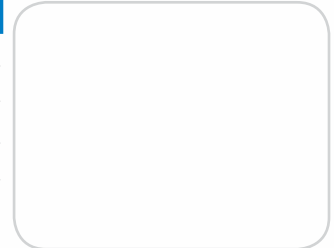
## Spacial 18500 configured



Send the document to your local SAREL sales office by e-mail or fax

**YOUR CONTACT DETAILS**

First/last name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_



QUANTITY OF FLOOR STANDING MONOBLOC ENCLOSURES(S) \_\_\_\_\_ REFERENCE \_\_\_\_\_ CATALOGUE DIMENSIONS (mm) H \_\_\_\_\_ W \_\_\_\_\_ D \_\_\_\_\_  
 PLAIN DOOR  see in the table below ★

COLOR SELECTED ACCORDING TO LIST RAL: \_\_\_\_\_ NF: \_\_\_\_\_ REINFORCED ANTICORROSION COATING

RAL	Yellow	1003	Orange	2000	Red	3000	Blue	5002	5013	Green	6011	Grey	7011	7038	White	9001	9018	Blue	2525	NF
		1007		2003		3003		5005			6018		7016		Black	9002			2550	
		1013		2004				5009			6019		7030			9005			1550	
		1015						5010			6020		7035			9010				
	1018						5012					7036			9016					

HINGES ON THE LEFT  TYPE OF CLOSURE \_\_\_\_\_ AND/OR CLOSURE \_\_\_\_\_ REF. INSERT \_\_\_\_\_  
 HANDLE   
 ESCUTCHEON

### Configurable dimensions (mm)

\* DIMENSIONS NOT INCLUDING PLINTH (mm) No. of doors

H × W × D	No. of doors
1400 × 1000 × 400	2
1600 × 800 × 400	1
1600 × 1000 × 400	2
1600 × 1200 × 400	2
1800 × 800 × 400	1
1800 × 1000 × 400	2
1800 × 1200 × 400	2
1800 × 1600 × 400	2
2000 × 800 × 400	1
2000 × 1200 × 400	2
2000 × 1600 × 400	2



## Spacial 18500 configured floor standing monobloc enclosure



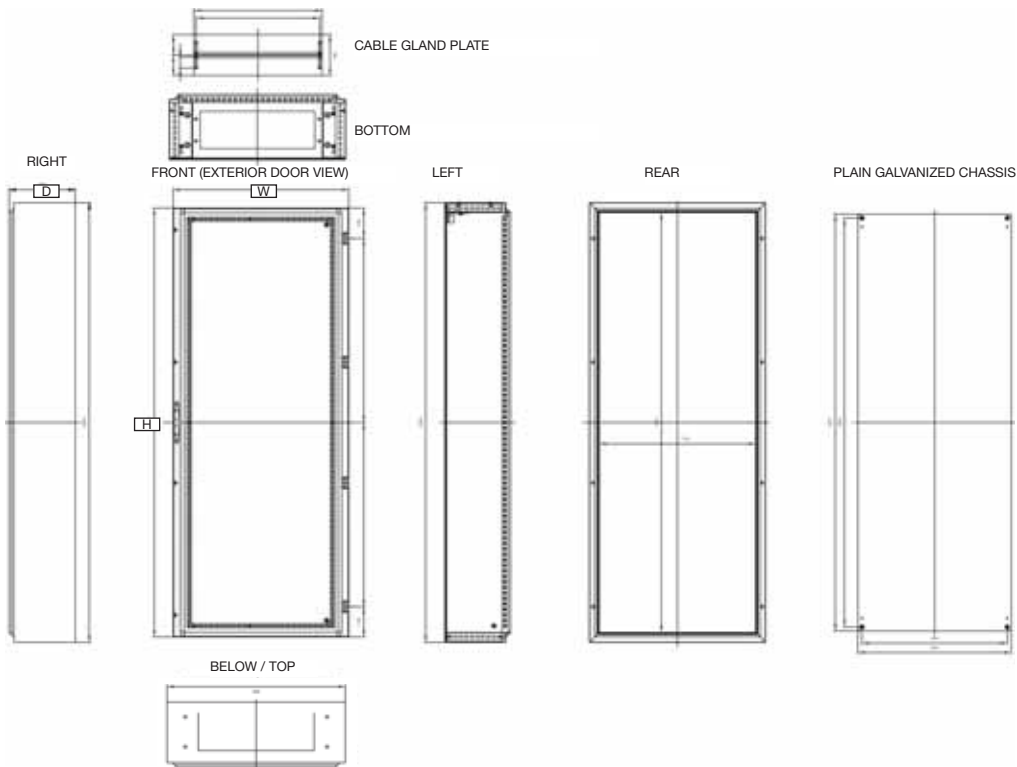
### HELP WITH DEFINING MACHININGS

For a faster estimate, please indicate your cutouts on the different sides, then fax the drawing to your **SAREL** sales branch. For producing your configured floor standing monobloc enclosures with cutouts, the DXF drawings are needed.

#### DRILLING

ON THE DOOR   
QTY.

ON THE BODY   
QTY.



Download the configuration sheets and the DXF drawings from the website [www.sarelenclosures.com](http://www.sarelenclosures.com)

Send them back to your local **SAREL** agent indicating your modifications. Essential if ordering to take advantage of the configuration timescale.



For any other needs or any other constraints - get in touch with us. **SAREL** also offers customized solutions to meet your other requirements.

## Structured offers to better cover all the needs of the industry, infrastructures, VDI networks and construction markets

	Industry and infrastructures	VDI and electronics networks	Construction
<b>ENCLOSURES</b>			
Industrial boxes in steel	■		
Thalassa industrial boxes made from insulating materials	■		■
Spacial 3D steel wallmounting enclosures	■		■
Spacial 18500 steel floor standing monobloc enclosures	■	■	
Spacial 6000 steel floor standing suitable enclosures	■	■	
Thalassa polyester wallmounting enclosures and floor standing monobloc enclosures	■	■	■
Man-machine dialogue wallmounting enclosures and control desks	■		
EMC wallmounting enclosures, floor standing monobloc enclosures and floor standing suitable enclosures	■		
Stainless steel floor standing monobloc enclosures, floor standing suitable enclosures, and control desks	■	■	
Thermal management systems	■	■	■
CaSys VDI network, server, and telecom* wallmounting enclosures and racks		■	
<b>INSTALLATION PRODUCTS AND SYSTEMS*</b>			
Mureva watertight equipment			■
Mureva watertight junction boxes			■
Mureva built-in junction boxes			■
Mureva watertight modular enclosures	■		■
Conduit and installation accessories			■
Fixing accessories	■	■	■

\*Ask Us.



## Configured Thalassa polyester floor standing monobloc enclosures



Send the document to your local SAREL sales office by e-mail or fax

### YOUR CONTACT DETAILS

First/last name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

QUANTITY OF FLOOR STANDING MONOBLOC ENCLOSURES .....

GLAZED DOOR  PLAIN DOOR

HINGES ON THE LEFT

For 1 door floor standing monobloc enclosure

CHOICE OF ARCHITECTURE (Version)

CATALOGUE DIMENSIONS (mm)

OR REFERENCE

HEIGHT	500	<input type="checkbox"/>	750	<input type="checkbox"/>	1000	<input type="checkbox"/>	1250	<input type="checkbox"/>	1500	<input type="checkbox"/>
WIDTH	500	<input type="checkbox"/>	750	<input type="checkbox"/>	1000	<input type="checkbox"/>	1250	<input type="checkbox"/>	1500	<input type="checkbox"/>
DEPTH	320	<input type="checkbox"/>	420	<input type="checkbox"/>						

- 1 FULLY CLOSED IP65
- 2 AUTOMATIC VENTILATION WITH CANOPY IP54
- 3 LOWER PART OPEN OF 60 mm PLINTH TYPE IP54
- 4 AUTOMATIC VENTILATION WITH CANOPY AND LOWER PART OPEN OF PLINTH TYPE IP54

### Choice of standard accessories for the configured offer

Also check the red box **m** for accessories fitted in the plant.

**AERATOR**  **m**  
REF. 04684

**OUTLET GRILL**  **m**  
REF. 87911   
REF. 87913   
REF. 87912

**FAN**  **m**  
REF. 87901   
REF. 87905   
REF. 87903

**STEP SLIDES**  **m**

**CABLE GLAND PLATE**  **m**

**DOOR STOP (fitted)**  
90° (FOR VERSIONS 1,2,3)   
2 POSITIONS (90° AND 120°)

**M8 INSERTS (SET OF 8)**

**DOOR SWITCH**  **m**

**BACK CHASSIS**

PLAIN  **m**

PERFORATED  **m**

BAKELITE INSULATION  **m**

POLYESTER INSULATION  **m**

MODULAR CHASSIS  **m**

FIXED 19" CHASSIS  **m**

**THERMOSTAT**  
REF. 87562

**DOOR SCHEME**

**INNER DOOR (fitted)**

**LOCK MODIFICATION**

DETAILS BELOW \*

PADLOCKING



## Configured Thalassa polyester floor standing monobloc enclosure



### \* Lock modification

VERSION 1 STANDARD FRONT PANEL DOUBLE BAR INSERT	VERSION 1 WITH HANDLE AND DOUBLE BAR INSERT	VERSION 2, 3, 4 (STANDARD) HANDLE AND DOUBLE BAR INSERT
CHANGE FOR	CHANGE OF INSERT	
7 mm SQUARE <input type="checkbox"/>	PUSH-BUTTON CONTROL <input type="checkbox"/>	
8 mm SQUARE <input type="checkbox"/>	8 mm TRIANGLE <input type="checkbox"/>	
8 mm TRIANGLE <input type="checkbox"/>	LOCK 405 <input type="checkbox"/>	
	LOCK 1242 <input type="checkbox"/>	
	ADAPTOR FOR DIN LOCK <input type="checkbox"/>	

### Machinings

For a quick calculation, please indicate the total number of machinings required:

ON THE BACK	<input type="text"/>
ON THE FACES (TOP/BOTTOM/SIDE)	<input type="text"/>
FOR THE GRILLS, FANS AND AERATORS	<input type="text"/>
OTHER MACHININGS	<input type="text"/>
ON THE DOOR	<input type="text"/>

NB: Each drilling or cutting is a machining. The machining areas are indicated on the dxf drawings.

Download the configuration sheets and the DXF drawings from the website [www.sarelenclosures.com](http://www.sarelenclosures.com)  
Send then back to your local **SAREL** agent indicating your modifications.  
Essential if ordering to take advantage of the configured leadtime.



For any other needs or any other constraints - get in touch with us.  
**SAREL** also offers customized solutions to meet your other requirements.

Material	Spacial 6000 steel floor standing suitable enclosures			
Criteria / name of range	Floor standing suitable enclosure fitted with front door	Floor standing suitable enclosure fitted with front and rear door	Floor standing suitable enclosure in kit	Customized floor standing suitable enclosure
Operating environment	Inside, industrial environment			
Sealing	IP55	IP55	IP55	
Impact resistance	IK10 - IK08*	IK10 - IK08*	IK10 - IK08*	IK10 - IK08*
Dimensions (mm)	H 1600 to 2200 W 300 to 1600 D 400 to 800	H 1200 to 2200 W 600 to 1200 D 400 to 800	H 1200 to 2200 W 300 to 1600 D 400 to 800	
Size of range	<b>165 references</b>	<b>76 references</b>	-	-
Transparent door option	■	■	■	-
Combinability	■	■	■	■
RAL color	7032 and 7035	7032	7032	as required

\* Glazed door version.



Floor standing suitable enclosure fitted with plain or transparent front door and rear panel, RAL 7032 gray paint, with or without plain galvanized chassis.



Floor standing suitable enclosure fitted with plain or transparent front door and rear panel, RAL 7032 gray paint.



All component parts of the floor standing suitable enclosure are separately controlled.



Customized floor standing suitable enclosure, all RAL and NF paints, all cuttings.

Material	Spacial 6000 stainless steel floor standing suitable enclosures	
Criteria / name of range	Combinable floor standing suitable enclosure	Monobloc PC rack
Operating environment	Inside, outside, agri-food, pharmaceutical, petrochemical, etc. environment	
Sealing	IP55	IP55
Impact resistance	IK10	IK10 - IK08*
Dimensions (mm)	H 1800 to 2000 W 600 to 1200 D 400 to 600	H 1600 to 1800 W 600 D 600 to 800
Size of range	<b>8 references</b>	<b>4 references</b>
Transparent door option	-	-
Combinability	■	■
Finishes	<b>Brushed</b> <b>Microbeaded (made to order)</b>	<b>Microbeaded</b>

\* Glazed door version.



Combinable floor standing monobloc enclosures made on request in all sizes in 304L or 316L stainless steels, 15/10 mm thickness and microbeaded finish.



The monobloc stainless steel PC racks are specially designed to protect the computer hardware installed in corrosive or damp environments requiring washing or exposed to liquid sprays.

Material	Spacial 6000 steel floor standing suitable enclosures			
Criteria / name of range	PC rack	Floor standing suitable enclosure compartmentalized	19" rack	EMC floor standing suitable enclosure
Operating environment	Inside, industrial environment			
Sealing	IP55	IP55	IP55	IP54
Impact resistance	IK10 - IK08*	IK10 - IK08*	IK10 - IK08*	IK10 - IK08*
Dimensions (mm)	H 1600 to 1800 W 600 D 600 to 800	H 1800 to 2000 W 600 to 800 D 600 to 800	H 1200 to 2200 W 600 to 800 D 400 to 800	H 1800 to 2000 W 800 D 400 to 600
Size of range	<b>4 references</b>	<b>8 references</b>	-	<b>4 references</b>
Transparent door option	■	-	■	-
Combinability	■	■	■	■
RAL color	7032	7032	7032	7032

\* Glazed door version.



The PC rack is designed to protect the computer hardware in an industrial environment, RAL 7032 gray paint.



The compartmentalized floor standing suitable enclosure separates the work areas by limiting their access, RAL 7032 gray paint.



19" rack, with 19" fixed chassis, fully or partially pivoting, RAL 7032 gray paint.



EMC (electromagnetic compatibility) floor standing suitable enclosure, RAL 7032 gray paint.



**Cutting and assembly of your accessories in the plant - see the Spacial 6000 floor standing suitable enclosures configurator pages 92-94.**





### Spacial 6000 steel floor standing suitable enclosures

- Robust.
- Ergonomics.
- Practical.
- Simplified order.



### Spacial stainless steel enclosure, IP55

- Sealing.
- Robust and durable.
- Material and finish.
- Practical and time-saving.
- Sterile.
- Easy to clean.
- Corrosion resistant.
- Aesthetic.

### Spacial 6000 floor standing suitable steel enclosures

#### Robustness

- The combinable Spacial 6000 rack is made from 4 uprights with a triangular profile for great rigidity, with perforations 25 mm apart for assembly of accessories, along with 2 perforated frames top and bottom, which also have perforations 25 mm apart.
- Assembled using screws and centering pin. It enables a combination of several floor standing suitable enclosures side by side and/or back to back.
- The framework profiles are made of painted galvanized steel to ensure corrosion resistance.

#### Ergonomics

- Rapid change of the direction of door opening, pivoting handle locking system combined with a large range of inserts.
- Increased accessibility for fitting of accessories. Framework upright locators 100 mm apart makes it easy to position accessories.

#### Practical

- Large range of sizes and accessories.

#### Simplified order

- With the models listed.

#### Sealing

- IP55 (IEC 60529) degree of protection: complete protection against dust and water spray.
- 3 point closure.

#### Robust and durable

- External mechanical impact resistance: IK10 according to EN 50102.
- 3 fully stainless steel hinges.
- Door reinforcement frame.

#### Material and finishes

- brushed 304L

#### Practical and time-saving

- Stainless steel plinth: cable entry made easy.
- Reversible door.
- Padlockable lock with a key or insert shape.
- 1242E key as standard.
- Slide rails with perforations 25 mm apart.
- Perforated reinforcement frame makes it easy to assemble accessories on the door.

### Spacial stainless steel floor standing suitable enclosure, IP55

## Inside, industrial environment



*The response:*  
*Spacial 6000 steel floor standing suitable enclosures*

### Technical features

- Framework: lower and upper frames, set of 4 uprights,
- Front door:
  - plain with door reinforcement frame (frame on door from 500 mm width),
  - transparent in Securit glass and mechanical fixing.
- The double doors are overlapping.
- Screwed rear panel.
- Removable top.
- Universal locking system with pivoting handle (insert to be ordered separately).
- 4 chassis fixing brackets.
- Supplied with or without plain galvanized chassis according to reference.
- 2 chassis supports that make it easy to fit the plain chassis.
- Supplied originally with floor standing suitable enclosures fitted with plain chassis.
- Options:
  - side panels
  - plinth heights 100 and 200 mm.
- Certifications**
  - BV, CUL, DNV, UL, LCIE.

## Inside, outside, agri-food, pharmaceutical, petrochemical, environment



*The response:*  
*Spacial 6000 stainless steel floor standing suitable enclosures*

### Technical features

- Plain framework (not removable) comprising the rear face, top and bottom, all monobloc.
- Plain door fitted with:
  - a perforated reinforcement frame,
  - a cremone lock in painted zamac with a 1242E key (405E, 455E, 6.5 mm triangle or 5 mm double bar on request),
  - a glued polyurethane joint 22 × 6,
  - stainless steel hinges.
- Key or insert to be specified when ordering.
- Cable gland plate in one part.
- Four chassis fixing brackets.
- Options:
  - plinths 100 and 200 mm high,
  - hygienic feet 100 and 200 mm high,
  - cable gland plate with a foam seal,
  - painted zamac handle with double bar or triangle key.



### Environment

- Use **Internal** or **External**? .....
- Type of ambient environment: **Normal**, **Saline**, **Corrosive** (which products?) .....
- Is a canopy required? (Y/N).....
- Type of material required (**Steel/ Stainless Steel**) .....

### Technical definition

- Height (mm) .....
- Width (mm) .....
- Depth (mm) .....
- IP .....
- IK .....
- Color RAL.....
- Type of coating.....
- Stainless steel finishes: brushed or microbeaded .....
- Type of lock, to be specified .....
- Visibility: **Glazed door**, **Window** .....
- Type of lock: **Plain**, **Telequick**, **Other**.....
- Loads to be borne: by enclosure, doors and panels .....
- Electrical continuity by means of grounding strip, or other (to be specified) .....
- Cable entry via cable gland plate.....
- Fitting by fixing **Lugs** or **Direct fixing** .....
- Plinth: specify the height 100 or 200 mm.....
- Lighting (Y/N).....

### Customization. See customization help on pages 92 to 94

- Description of machinings (plans, sketches).....
- Electrical continuity by means of grounding strip, or other (to be specified) .....
- Standard accessories fitted .....
- Specific accessories to be supplied (plans, sketches) .....
- Application of image: screen print, sticker.....

### Thermal

- **Air louvers** or **Ventilation grills**.....
- **Forced ventilation**.....
- **Resistance heater**.....
- **Air-conditioning** .....
- **External temperature range**.....
- **Internal temperature range**.....

### Logistics

- Place of delivery .....
- Special delivery information? .....
- Special unloading information?.....



External dimensions (mm)			No. of front doors	Spacial 6000 steel floor standing suitable enclosure IP55											
H	W	D		RAL 7032				RAL 7035		RAL 7022		Cable gland plate			
				Floor standing suitable enclosure with rear panel			Side panels	Floor standing suitable enclosure with rear panel		Side panels	plinths				
				Plain front door without chassis	Glazed front door without chassis	Plain front door with chassis		Plain front door without chassis			Height (mm)				
							100	200	1 part	2 parts	3 parts				
1200	600	600	1	-	-	-	61006	-	-	69066	69266	63096	63196	63296	
		800	1	-	-	-	61008	-	-	69068	69268	63098	63198	63298	
	800	600	1	-	-	-	61006	-	-	69086	69286	63116	63216	63316	
		800	1	-	-	-	61008	-	-	69088	69288	63118	63218	63318	
1600	600	600	1	61240	-	67540	61026	-	-	69066	69266	63096	63196	63296	
		800	1	61241	-	67541	61028	-	-	69068	69268	63098	63198	63298	
	800	600	1	61242	-	67542	61026	-	-	69086	69286	63116	63216	63316	
		800	1	61243	-	67543	61028	-	-	69088	69288	63118	63218	63318	
1800	300	500	1	61250	-	-	61035	-	-	69035	69235	-	63092	-	
		600	1	61251	-	-	61036	-	-	69036	69236	-	63093	-	
	600	400	1	61264	61564	67564	61034	-	-	69064	69264	63094	63194	-	
		500	1	61265	61565	67565	61035	-	-	69065	69265	63095	63195	-	
	600	600	1	61266	61566	67566	61036	62266	63036	69066	69266	63096	63196	63296	
		800	1	61268	61568	67568	61038	62268	62038	69068	69268	63098	63198	63298	
	800	400	1	61274	61574	67574	61034	62274	63034	69084	69284	63114	63214	-	
		500	1	61275	61575	67575	61035	62275	63035	69085	69285	63115	63215	-	
	600	600	1	61276	61576	67576	61036	62276	63036	69086	69286	63116	63216	63316	
		600	2	61277	-	67577	61036	-	-	69086	69286	63116	63216	63316	
	1000	400	1	61479	61779	67779	61034	-	-	69104	69304	63124	63224	-	
		400	2	61279	61579	67579	61034	-	-	69104	69304	63124	63224	-	
	600	600	1	61481	61781	67781	61036	62481	63036	69106	69306	63126	63226	63326	
		600	2	61281	61581	67581	61036	-	-	69106	69306	63126	63226	63326	
	1200	400	2	61284	61584	67584	61034	62284	63034	69124	69324	63134	63234	-	
		500	2	61285	61585	67585	61035	-	-	69125	69325	63135	63235	-	
	600	600	2	61286	61586	67586	61036	62286	63036	69126	69326	63136	63236	63346	
		400	1	61313	-	-	61034	-	-	69034	-	-	63091	-	
2000	300	500	1	61340	-	-	61045	-	-	69035	69235	-	63092	-	
		600	1	61341	-	-	61046	-	-	69036	69236	-	63093	-	
	400	500	1	61345	-	-	61045	-	-	69045	69245	-	63175	-	
		600	1	61346	-	-	61046	62346	63046	69046	69246	-	63176	-	
	600	400	1	61314	61614	67614	61044	62314	63044	69064	69264	63094	63194	-	
		500	1	61315	61615	67615	61045	62315	63045	69065	69265	63095	63195	-	
	600	600	1	61316	61616	67616	61046	62316	63046	69066	69266	63096	63196	63296	
		800	1	61318	61618	67618	61048	62318	62048	69068	69268	63098	63198	63298	
	800	400	1	61324	61624	67624	61044	62324	63044	69084	69284	63114	63214	-	
		500	1	61325	61625	67625	61045	62325	63045	69085	69285	63115	63215	-	
	600	600	1	61326	61626	67626	61046	62326	63046	69086	69286	63116	63216	63316	
		600	2	61327	-	67627	61046	-	-	69086	69286	63116	63216	63316	
	800	600	1	61328	61628	67628	61048	62328	62048	69088	69288	63118	63218	63318	
		400	1	61529	61829	67829	61044	-	-	69104	69304	63124	63224	-	
	1000	400	2	61329	61629	67629	61044	-	-	69104	69304	63124	63224	-	
		500	1	61530	61830	67830	61045	-	-	69105	69305	63125	63225	-	
	600	500	2	61330	61630	67630	61045	-	-	69105	69305	63125	63225	-	
		600	1	61531	61831	67831	61046	62531	63046	69106	69306	63126	63226	63326	
	600	600	2	61331	61631	67631	61046	-	-	69106	69306	63126	63226	63326	
		800	1	61533	61833	67833	61048	62533	62048	69108	69308	63128	63228	63328	
	800	600	2	61333	61633	67633	61048	-	-	69108	69308	63128	63228	63328	
		400	2	61334	61634	67634	61044	62334	63044	69124	69324	63134	63234	-	
	500	600	2	61335	61635	67635	61045	62335	63045	69125	69325	63135	63235	-	
		600	2	61336	61636	67636	61046	62336	63046	69126	69326	63136	63236	63346	
	800	600	2	61338	61638	67638	61048	62338	62048	69128	69328	63138	63238	63348	
		400	2	61339	-	67639	61044	-	-	69164	69364	63140	63240	-	
	500	600	2	61440	-	-	61045	-	-	69125	69325	63150	63250	-	
		600	2	61337	-	-	61046	-	-	69126	69326	63160	63260	-	
2200	600	600	1	61366	61666	67666	61056	-	-	69066	69266	63096	63196	63296	
		800	1	61368	61668	67668	61058	-	-	69068	69268	63098	63198	63298	
	800	600	1	61376	61676	67676	61056	-	-	69086	69286	63116	63216	63316	
		800	1	61378	61678	67678	61058	-	-	69088	69288	63118	63218	63318	
	1200	600	2	61386	61686	67686	61056	-	-	69126	69326	63136	63236	63346	
		800	2	61388	61688	67688	61058	-	-	69128	69328	63138	63238	63348	

(1) Combination of 2 x 800 mm wide floor standing suitable enclosures.



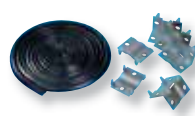
Lifting eyes.  
Lot of 4 parts

Reference
17165



Lifting bracket

Reference
17160



Standard steel coupling kit

Ref. steel	Ref. stainless steel
64620	61632



Adhesive document pocket

Ref.	Document pocket		
	Format	Material	Depth (mm)
21322	A4	Plastic	22
21323	A4	Plastic	40
21317	A3	Plastic	35



Door stop  
Ref. 64681



External dimensions (mm)			Spacial 6000 304L stainless steel floor standing suitable enclosure IP55				Plain galvanized chassis	Plain intermediate chassis	Standard vertical rails			
H	W	D	Floor standing suitable enclosure with rear panel and plain 304L stainless steel door	Side panels	316L stainless steel microbeaded plinth		304L stainless steel plinth					
			Brushed without chassis	Brushed	100	200	100	200				
1200	600	600	-	-	-	-	-	-	63914	63937	-	
		800	-	-	-	-	-	-	63914	63937	-	
		800	-	-	-	-	-	-	63915	63937	-	
1600	600	600	-	-	-	-	-	-	63918	63939	-	
		800	-	-	-	-	-	-	63918	63939	-	
		800	-	-	-	-	-	-	63919	63939	-	
1800	300	500	-	-	-	-	-	-	-	63940	63818	
		600	-	-	-	-	-	-	-	63940	63818	
		400	61420	61063	61409	61423	69338	69344	63920	63940	63818	
	800	500	-	-	-	-	-	-	-	63920	63940	63818
		600	-	-	-	-	-	-	-	63920	63940	63818
		800	-	-	-	-	-	-	-	63920	63940	63818
		400	61421	61063	69400	69410	69330	69354	63921	63940	63818	
		500	-	-	-	-	-	-	-	63921	63940	63818
		600	-	-	-	-	-	-	-	63921	63940	63818
2000	300	400	-	-	-	-	-	-	-	63922	63818	
		400	-	-	-	-	-	-	-	63922	63818	
		600	-	-	-	-	-	-	-	63922	63818	
	400	400	-	-	-	-	-	-	-	63922	63818	
		600	-	-	-	-	-	-	-	63922	63818	
		600	-	-	-	-	-	-	-	63922	63818	
		400	61422	61063	69402	69412	69332	69347	63923	63940	63818	
		500	-	-	-	-	-	-	-	63923	63940	63818
		600	-	-	-	-	-	-	-	63923	63940	63818
600	400	-	-	-	-	-	-	-	-	63941	63820	
	500	-	-	-	-	-	-	-	-	63941	63820	
	600	-	-	-	-	-	-	-	-	63941	63820	
	400	-	-	-	-	-	-	-	-	63941	63820	
	500	61423	61064	61419	61430	69334	69349	63925	63941	63820		
	600	-	-	-	-	-	-	-	63925	63941	63820	
	800	-	-	-	-	-	-	-	63925	63941	63820	
	400	61424	61065	69400	69410	69330	69354	63926	63941	63820		
	500	-	-	-	-	-	-	-	63926	63941	63820	
800	600	61425	61066	69405	69415	69339	69351	63926	63941	63820		
	600	-	-	-	-	-	-	-	63926	63941	63820	
	800	-	-	-	-	-	-	-	63926	63941	63820	
	400	-	-	-	-	-	-	-	63927	63941	63820	
	400	-	-	-	-	-	-	-	63927	63941	63820	
	500	-	-	-	-	-	-	-	63927	63941	63820	
	600	-	-	-	-	-	-	-	63927	63941	63820	
	600	61426	61066	69406	69416	-	-	63927	63941	63820		
	800	-	-	-	-	-	-	-	63927	63941	63820	
1200	400	-	-	-	-	-	-	-	63928	63941	63820	
	500	-	-	-	-	-	-	-	63928	63941	63820	
	600	61427	61066	69407	69417	-	-	63928	63941	63820		
	800	-	-	-	-	-	-	-	63928	63941	63820	
	400	-	-	-	-	-	-	-	63931	63941	63820	
	500	-	-	-	-	-	-	-	63931	63941	63820	
	600	-	-	-	-	-	-	-	63931	63941	63820	
	600	-	-	-	-	-	-	-	63929	63942	63822	
	800	-	-	-	-	-	-	-	63929	63942	63822	
2200	600	600	-	-	-	-	-	-	63930	63942	63822	
		800	-	-	-	-	-	-	63930	63942	63822	
		800	-	-	-	-	-	-	63930	63942	63822	
1200	800	600	-	-	-	-	-	-	63932	63942	63822	
		800	-	-	-	-	-	-	63932	63942	63822	



Door contact O + C

Reference
64680



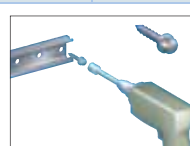
Lighting

Reference	Type
21415	France - UTE (16 A plug)
21416	Germany - VDE
21417	UK - BS (British Standard)
21465	voltage 115 V
21466	Switzerland - CH



Flat nuts for standard vertical rails

Reference	M6	M8
21064		21063



Self-piercing screw

Reference
21139



Pivoting nuts for technical vertical rails

Reference	M6	M8
64746		64748



## The **configured** offer,

a standard product upgraded to your needs

From our standard offer, we conduct for you the in-plant fitting of the accessories, cut-outs, and paint included in our range.

### the MOST SAREL for the standard offer

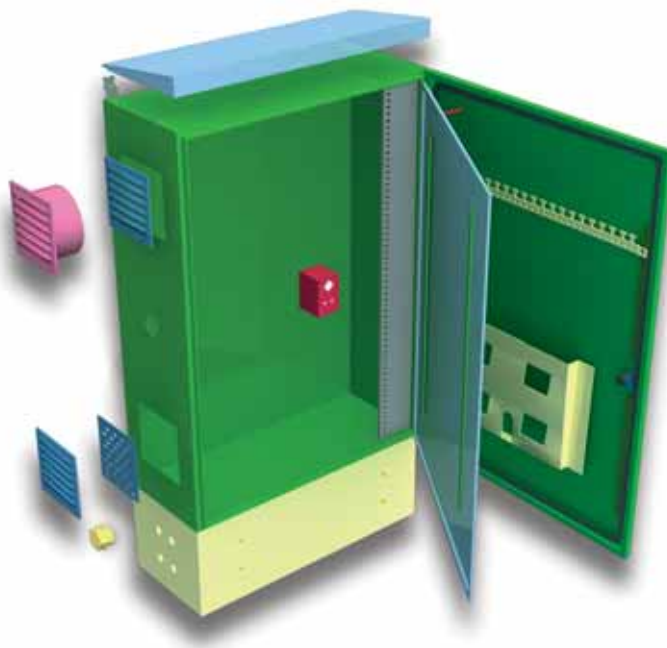
- Large dimensional range.
- Large range of functional accessories.
- Without feasibility study.
- Short and guaranteed turnaround times.

### How to do it?

Select the accessories from our catalogues, refer to our definition files or contact your **SAREL** correspondent.

Save time by creating your cutouts and fittings using our DXF drawings, downloadable on our website:

[www.sarelenclosures.com](http://www.sarelenclosures.com)



*Wallmounting enclosure cutouts and in-plant fitting of the most common accessories*



### Composition

For the manufacture of your floor standing suitable enclosure, you can order separately:

- For the framework:
  - the lower and upper frames with the top,
  - a set of 4 uprights.
- For the casing:
  - the rear panel,
  - a plain single or double door, in sheet steel 15/10 mm or 20/10 mm thick depending on the reference,
  - a set of side panels,
  - a transparent single or double door, in glued Securit glass. In this version, two paint colors are offered:
    - RAL 7032 gray,
    - a RAL 7011 black trim.
- Optional extras:
  - a 100 or 200 mm high plinth,
  - a cable gland plate in 1, 2 or 3 parts,
  - all floor standing suitable enclosure accessories, for hoisting and handling, for door fittings, etc.,
  - all assembly fittings,
  - all modular distribution accessories.

*Nb: in the absence of a front door and rear panel, it is essential to order the single supports, ref. 64619 to fit the side panels (see pages 78-79).*

### Certifications

- BV, CUL, DNV, UL, LCIE.

### Benefits of the kit formula

In addition to the standard offer, the kit formula lends itself to all combinations.



Fixing the 4 uprights to the lower and upper frames.



Fitting the door by fixing with studs and hinges.



Attachment of the rear panel to the self-centering hanger and screwing device.



Detailed view of the self-centering hanger for the side panels.



Availability and ease of transport.



Reduced volume of stock.



Framework assembly in a quarter of an hour.



External dimensions (mm)			Framework		Casing					
			Lower frame Upper frame and top	Set of 4 uprights	Screwed rear panel	Plain door (1)				Set of 2 side panels
H	W	D				Single		Double		
			20/10	15/10	20/10	15/10				
1200	600	600	67066	60012	67326	67445	67176	-	-	61006
		800	67068	60012	67326	67445	67176	-	-	61008
	800	600	67086	60012	67328	67446	67178	-	-	61006
		800	67088	60012	67328	67446	67178	-	-	61008
1600	600	600	67066	60016	67346	67447	67196	-	-	61026
		800	67068	60016	67346	67447	67196	-	-	61028
	800	600	67086	60016	67348	67448	67198	-	-	61026
		800	67088	60016	67348	67448	67198	-	-	61028
1800	300	500	67035	60018	67353	67403	67203	-	-	61035
		600	67036	60018	67353	67403	67203	-	-	61036
	600	400	67064	60018	67356	67406	67206	-	-	61034
		500	67065	60018	67356	67406	67206	-	-	61035
		600	67066	60018	67356	67406	67206	-	-	61036
		800	67068	60018	67356	67406	67206	-	-	61038
	800	400	67084	60018	67358	67408	67208	67409	67209	61034
		500	67085	60018	67358	67408	67208	67409	67209	61035
		600	67086	60018	67358	67408	67208	67409	67209	61036
		800	67088	60018	67358	67408	67208	67409	67209	61038
	1000	400	67104	60018	67360	67410	67210	67411	67211	61034
		600	67106	60018	67360	67410	67210	67411	67211	61036
	1200	400	67124	60018	67362	-	-	67412	67212	61034
		500	67125	60018	67362	-	-	67412	67212	61035
		600	67126	60018	67362	-	-	67412	67212	61036
2000	300	500	67035	60020	67373	67423	67223	-	-	61045
		600	67036	60020	67373	37423	67223	-	-	61046
	400	500	67045	60020	67374	67424	67224	-	-	61045
		600	67046	60020	67374	67424	67224	-	-	61046
	600	400	67064	60020	67376	67426	67226	-	-	61044
		500	67065	60020	67376	67426	67226	-	-	61045
		600	67066	60020	67376	67426	67225	-	-	61046
		800	67068	60020	67376	67426	67226	-	-	61048
	800	400	67084	60020	67378	67428	67228	67429	67229	61044
		500	67085	60020	67378	67428	67228	67429	67229	61045
		600	67086	60020	67378	37428	67228	67429	67229	61046
		800	67088	60020	67378	67428	67228	67429	67229	61048
	1000	400	67104	60020	67380	67430	67230	67431	67231	61044
		500	67105	60020	67380	67430	67230	67431	67231	61045
		600	67106	60020	67380	67430	67230	67431	67231	61046
		800	67108	60020	67380	67430	67230	67431	67231	61048
	1200	400	67124	60020	67382	-	-	67432	67232	61044
		500	67125	60020	67382	-	-	67432	67232	61045
		600	67126	60020	67382	-	-	67432	67232	61046
		800	67128	60020	67382	-	-	67432	67232	61048
	1600	400	67164	60020	67386	-	-	67434	67234	61044
2200	600	600	67066	60022	67396	67436	67236	-	-	61056
		800	67068	60022	67396	67436	67236	-	-	61058
	800	600	67086	60022	67398	67438	67238	-	-	61056
		800	67088	60022	67398	67438	67238	-	-	61058
	1200	600	67126	60022	67402	-	-	67442	67242	61056
		800	67128	60022	67402	-	-	67442	67242	61058

(1) Door supplied with lock, hinges and striking plates.



Casing		RAL 7022 plinths		Cable gland plate			Plain galvanized chassis
Transparent door (1)		Height (mm)		1 part	2 parts	3 parts	
Single	Double	100 mm	200 mm				
87366	-	69066	69266	63096	63196	63296	63914
87366	-	69068	69268	63098	63198	63298	63914
87368	-	69086	69286	63116	63216	63316	63915
87368	-	69088	69288	63118	63218	63318	63915
87386	-	69066	69266	63096	63196	63296	63918
87386	-	69068	69268	63098	63198	63298	63918
87388	-	69086	69286	63116	63216	63316	63919
87388	-	69088	69288	63118	63218	63318	63919
-	-	69035	69235	-	63092	-	-
-	-	69036	69236	-	63093	-	-
87406	-	69064	69264	63094	63194	-	63920
87406	-	69065	69265	63095	63195	-	63920
87406	-	69066	69266	63096	63196	63296	63920
87406	-	69068	69268	63098	63198	63298	63920
87408	-	69084	69284	63114	63214	-	63921
87408	-	69085	69285	63115	63215	-	63921
87408	-	69086	69286	63116	63216	63316	63921
87408	-	69086	69286	63116	63216	63316	63921
87409	87410	69104	69304	63124	63224	-	63922
87409	87410	69106	69306	63126	63226	63326	63922
-	87412	69124	69324	63134	63234	-	63923
-	87412	69125	69325	63135	63235	-	63923
-	87412	69126	69326	63136	63236	63346	63923
-	-	69035	69235	-	63092	-	-
-	-	69036	69236	-	63093	-	-
-	-	69045	69245	-	63175	-	-
-	-	69046	69246	-	63176	-	-
87426	-	69064	69264	63094	63194	-	63925
87426	-	69065	69265	63095	63195	-	63925
87426	-	69066	69266	63096	63196	63296	63925
87426	-	69068	69268	63098	63198	63298	63925
87428	-	69084	69284	63114	63214	-	63926
87428	-	69085	69285	63115	63215	-	63926
87428	-	69086	69286	63116	63216	63316	63926
87428	-	69086	69286	63116	63216	63316	63926
87428	-	69086	69286	63116	63216	63316	63926
87429	87420	69088	69288	63118	63218	63318	63926
87429	87420	69104	69304	63124	63224	-	63927
87429	87420	69105	69305	63125	63225	-	63927
87429	97420	69106	69306	63126	63226	63326	63927
-	87422	69108	69308	63128	63228	63328	63927
-	87422	69124	69324	63134	63234	-	63928
-	87422	69125	69325	63135	63235	-	63928
-	87422	69126	69326	63136	63236	63346	63928
-	87430	69128	69328	63138	63238	63348	63928
87436	-	69164	69364	63140	63240	-	63921
87436	-	69068	69268	63098	63198	63298	63929
87438	-	69086	69286	63116	63216	63316	63930
87438	-	69088	69288	63118	63218	63318	63930
-	87440	69126	69326	63136	63236	63346	63932
-	87440	69128	69328	63138	63238	63348	63932



Accessories for assembly



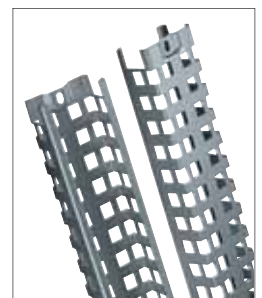
Liftings eyes Lot of 4 parts



Locks and inserts



Door accessories



Accessories for assembly



Ventilation

Boxes

Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

Thermal packaging of electrical panels

Technical appendices

**Top accessories**

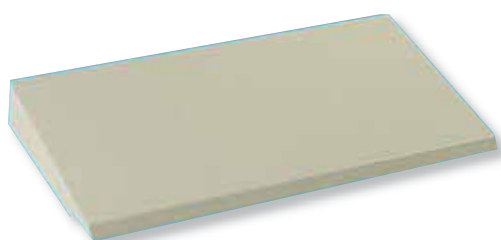
**Canopy for stainless steel floor standing suitable enclosure**



Reference 304L	Dimensions (mm)	
	Width	Depth
18304	600	400
18305	600	500
18300	800	400
18307	800	500
18308	800	600
18309	1000	300
18268	1000	400
18312	1000	600
18302	1200	400
18306	1200	500
18313	1200	600
18303	1600	400
18311	1600	600

**Top trim**

Reference	Width
64610	400
64611	600
64612	800
64613	1000
64609	1200



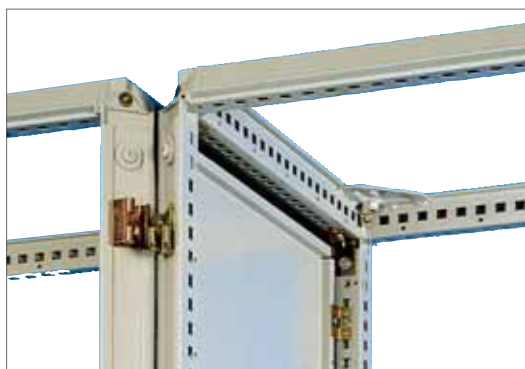
*Installation of Spacial floor standing suitable enclosures outside is not recommended*

**Canopy for Spacial 6000 steel floor standing suitable enclosure**

Reference	External dimensions (mm)	
	Width	Depth
18261	600	400
18280	600	500
18281	600	600
18266	800	400
18282	800	500
18283	800	600
18268	1000	400
18284	1000	500
18271	1200	400
18285	1200	500
18286	1200	600
18279	1600	400
18287	1600	500
18288	1600	600
18289	1800	500
18292	1800	600
18290	2000	500
18291	2000	600
18295	2400	500
18296	2400	600

**Coupling accessories**

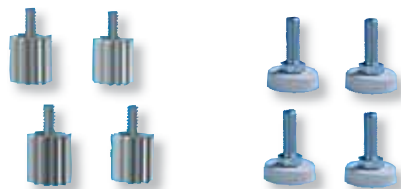
**Partition panels**



Reference	For floor standing suitable enclosure (mm)	
	Height	Depth
63434	1800	400
63435	1800	500
63436	1800	600
63438	1800	600
63444	2000	400
63445	2000	500
63446	2000	600
63448	2000	800
63456	2200	600
63458	2200	800

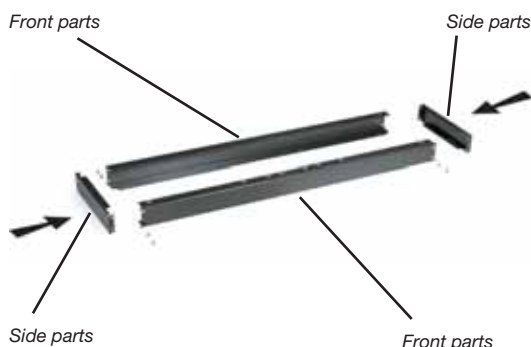


Castors



Screw jacks Ref. 11400

Screw jacks Ref. 63469



### Accessories for the base

#### Castors with locking fitted on plinth

Reference
11501

Lot of 4 parts.

#### Screw jacks

Reference	Height
11400	Fixed
63469	Adjustable

Lot of 4 parts. Maximum permissible load per screw jack: 100 kg.

#### Plinth for a group of floor standing suitable enclosures

Possible width of assembled floor standing monobloc enclosures (mm)	
Total width	Unit widths
1600	600 + 1000
1600	800 + 800
1600	1000 + 600
1800	600 + 600 + 600
1800	600 + 1200
1800	800 + 1000
1800	1000 + 800
1800	1200 + 600
2400	600 + 600 + 600 + 600
2400	600 + 600 + 1200
2400	600 + 800 + 1000
2400	600 + 1200 + 600
2400	800 + 600 + 1000
2400	800 + 800 + 800
2400	800 + 1000 + 600
2400	1000 + 600 + 800
2400	1200 + 600 + 600
2400	1200 + 1200

! Strengthens the rigidity of the unit

#### Front parts

Reference	Total width of assembled floor standing monobloc enclosures (1) (mm)	Height of plinth (mm)
60340	1600	100
60341	1800	100
60342	2400	100
60343	1600	200
60344	1800	200
60345	2400	200

(1) See the list of various possible widths for the floor standing monobloc enclosures.

#### Side parts

Reference	Depth of assembled floor standing monobloc enclosures (mm)	Height of plinth (1) (mm)
60349	400	100/200
60346	500	100/200
60347	600	100/200
60348	800	100/200

(1) To make a 200 mm high plinth, it is necessary to order a 200 mm high front part and 2 sets of 100 mm high side parts.

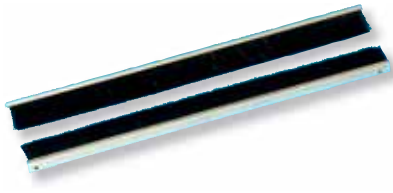
### Accessories for the base

#### Screw jacks, castors

■ See floor standing monobloc enclosure section page 62.

#### Plinth fixing to the ground

■ See floor standing monobloc enclosure section page 62.

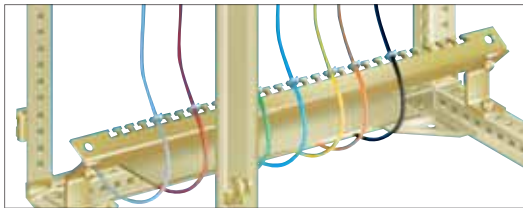


## Cable entry accessories

! Makes it easy to feed through cables of different sizes

Technical joint (not applicable to stainless steel)

Reference	Width (mm)	
	Floor standing suitable enclosure	Joint
63334	400	102
63336	600	302
63338	800	502
63340	1000	702
63336 × 2	1200	23302
63338 × 2	1600	23502



## Lower cross rail for cable guide

Reference	Floor standing suitable enclosure width (mm)
64656	600
65658	800
65660	800
64656 × 2	800
65658 × 2	800



## Cable gland, cable gland plates without connector IP65

■ See wallmounting enclosures section page 40.



## Doors and door accessories

### Inner door for floor standing suitable enclosure

Reference	For floor standing suitable enclosure (mm)	
	Height	Width
63496	1800	600
63498	1800	800
63500	1800	1000
63506	2000	600
63508	2000	800
63510	2000	1000
63606	2200	600
63608	2200	800
63609	2200	1000

- Possible depth adjustment in 25 mm steps, min distance between doors: 50 mm.
- Closure with 2 locks, 8 mm triangle, other locks see small escutcheon plates.



### 180° hinges (not applicable to stainless steel)

- Set of 4 180° hinges.
- Enable 180° door opening.
- Fixings supplied.
- Permissible load on the door: 60 kg.

Ref.	Description
63683	180° hinges

### Accessories

- Door cross rail.
- Door document lectern.
- Door scheme.
- Door recentering castors.
- See floor standing monobloc enclosure section page 63.

## Viewing accessories

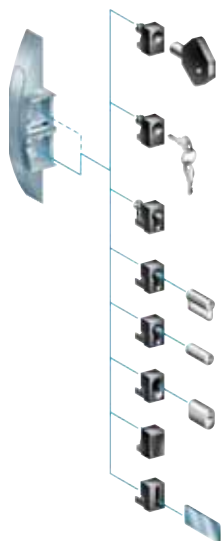
### Door window, IP54 altuglas and aluminum frame

- See floor standing monobloc enclosure section page 64.

## Locking accessories

### Locking system for Spacial 6000 steel floor standing suitable enclosure

#### Standard lock

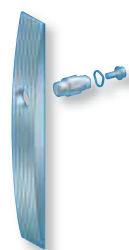


Insert shape fitted on adaptor	
Reference	Description
63650	6 mm square
63651	7 mm square
63652	8 mm square
63653	8 mm square with slot
63660	6.5 mm triangle CNOMO
63661	7 mm triangle
63662	8 mm triangle
63663	9 mm triangle
63664	10 mm triangle
63670	3 mm double bar
63671	5 mm double bar

Cylindrical barrel fitted on adaptor	
Reference	Description
63700	405 E key
63701	421 E key
63702	455 key
63703	1242 E key
63704	1332 E key
63705	2131 A key
63706	2132 A key
63707	2331 A key
63708	2433 A key
63709	2452 E key
63710	3113 A key
63711	3122 E key
63712	3123 A key
63713	3133 A key
63714	3422 E key
63715	3432 E key

#### Handle and kit

Reference	Description
63600	Spare standard handle

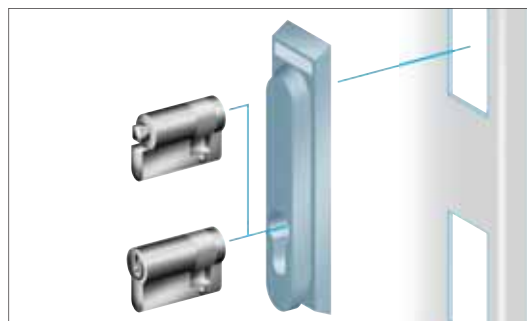


#### Lock without handle

Ref.	Description
63750	Escutcheon plate

Insert shapes	
Reference	Description
63753	Male 7 mm square insert
63754	Female 8 mm square insert
63756	6.5 mm triangle insert
63752	8 mm triangle insert
63751	Double bar Ø 5 mm insert
63755	Screwdriver slot insert

### Locking system for stainless steel floor standing suitable enclosure



Reference	Description*	Packaging
51383	5 mm double bar	1
51384	6 mm male square	1
51385	7 mm male square	1
51386	8 mm male square	1
51387	6.5 mm male triangle	1
51388	8 mm male triangle	1
51389	Padlockable	1

\* Only on 304L stainless steel floor standing monobloc enclosure.



## Earthing accessories

### Earth braids and earth connections

■ See wallmounting enclosures section page 44.



## Installation accessories

### Partial plain chassis

Reference	Height (mm)	Width (mm)
19255	247	505
19256	397	505
19257	597	505
19258	247	705
19259	597	705
19260	247	905
19261	597	905
19262	247	1105
19263	597	1105



### Plain chassis support

Reference	For floor standing suitable enclosure depth (mm)
64604	400
64605	500
64606	600
64608	800

- Set of 2 chassis supports.
- Authorizes loads up to 500 kg.
- Makes it easy to position the plain chassis assembly and enables it to be slid easily to the back of the floor standing suitable enclosure.
- Fixes onto the lower frame of the framework.
- Supplied originally with floor standing suitable enclosures fitted with chassis.



### Fixing brackets

- Kit with 4 fixing brackets.
- Depth adjustable in 25 mm steps.

Reference set of 4 brackets (1)
64600

(1) For 1200 and 1600 mm widths, order an additional kit, ref. 64600 to assemble 2 x 600 and 800 mm chassis respectively.



### Telequick grille

Floor standing monobloc enclosure width (mm)	Reference	Fixing spacing (mm)		Useful surface (dm <sup>2</sup> )
		Width	Height	
600	64032	450	200	11.4
	64034	450	425	22.8
	64036	450	575	30.4
	64038	450	800	41.9
800	64052	650	200	15.9
	64054	650	425	31.8
	64056	650	575	42.4
	64058	650	800	58.4
1000	64062	850	200	20.4
	64064	850	425	40.8
	64066	850	575	54.4
	64068	850	800	74.9
1200	64072	1050	200	24.9
	64074	1050	425	49.9
	64076	1050	575	66.5
	64078	1050	800	91.5
1600	Order 2 plates corresponding to 800 mm width references			

### Possibilities of fitting perforated plates, fitting direct on framework

- In all cases, the first mounting hole on the framework is not used.
- The upper plate must be fixed in the second hole, 80 mm from the upper frame.
- Place the following plates one next to the other.

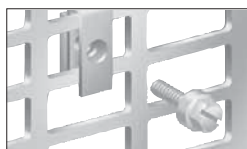
Height of the floor standing suitable enclosure (mm)	Width of the floor standing suitable enclosure (mm)				
	600	800	1000	1200	1600
1600	2 × 64036 1 × 64032	2 × 64056 1 × 64052	2 × 64066 1 × 64062	2 × 64076 1 × 64072	4 × 64056 2 × 64052
1800	2 × 64038	2 × 64058	2 × 64068	2 × 64078	4 × 64058
2000	2 × 64038 1 × 64032	2 × 64058 1 × 64052	2 × 64068 1 × 64062	2 × 64078 1 × 64072	4 × 64058 2 × 64052
2200	3 × 64036 1 × 64032	3 × 64056 1 × 64052	3 × 64066 1 × 64062	3 × 64076 1 × 64072	6 × 64056 2 × 64052

### Possibilities of assembly on vertical rails

- The fixing points of the technical vertical rails are still accessible after the perforated plates are fitted.

Height of the floor standing suitable enclosure (mm)	Width of the floor standing suitable enclosure (mm)					Technical vertical rails
	600	800	1000	1200	1600 (1)	Reference
1600	1 × 64038 1 × 64036	1 × 64058 1 × 64056	1 × 64068 1 × 64066	1 × 64078 1 × 64076	2 × 64058 2 × 64056	63836 -
1800	3 × 64034 1 × 64032	3 × 64054 1 × 64052	3 × 64064 1 × 64062	3 × 64074 1 × 64072	6 × 64054 2 × 64052	63838 -
2000	3 × 64036	3 × 64056	3 × 64066	3 × 64076	6 × 64056	63840
2200	2 × 64038 1 × 64034	2 × 64058 1 × 64054	2 × 64068 1 × 64064	2 × 64078 1 × 64074	4 × 64058 2 × 64054	63842 -

(1) Fitting on 4 vertical rails.



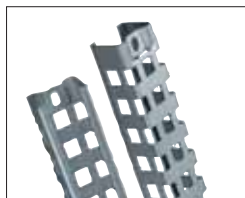
### Clip-nuts for fitting on grilles

Reference	
Clip-nuts	Thread
21163	M3
21164	M4
21165	M5
21166	M6

- Continuity of the drilling axis with the framework.
  - Perforations receiving the pivoting nuts.
- Fixing on the framework.
- Supplied in 2s with support and fixings.



Single



Universal

### Perforated cross rails 1 row

Reference set of 2 cross rails		Floor standing monobloc enclosure width / depth (mm)	Load (1) (kg)
Single	Universal		
64161	64694	400	60
64162	64695	500	60
64163	64696	600	50
64165	64698	800	40
-	64715	1000	(2)
-	64716	1200	(2)
-	64717	1400	(2)
-	64718	1600	(2)
-	64719	1800	(2)
-	64720	2000	(2)

(1) Uniformly spread over 2 cross rails. (2) Only for vertical fitting.

### Perforated cross rails 2 rows

Reference set of 2 cross rails		Floor standing suitable enclosure width / depth (mm)	Load (1) kg
Single	Universal		
64171	64704	400	100
64172	64705	500	90
64173	64706	600	80
64175	64708	800	70
64176	64710	1000	50
64177	64712	1200	50

(1) Uniformly spread over 2 cross rails.



## The **specific** offer,

a product custom developed for you

SAREL creates the enclosure meeting your installation or environmental requirements, using our industrial know-how.

Custom dimensions, special colors, custom accessories, thermal integration, casings and a la carte configuration.

### the MOST SAREL

- Solutions based on your needs.
- Feasibility study with the help of a dedicated study office.
- Quality industrial production.
- Guaranteed turnaround times.

### How to do it?

Contact your **SAREL** correspondant and explain your need. A professional team is at your service to develop your specific solution.



*Example of specific production*



Single



Universal

### Perforated cross rails 3 rows

Reference set of 2 cross rails		Floor standing suitable enclosure width / depth (mm)	Load (1) kg
Single	Universal		
64181	64724	400	120
64182	64725	500	120
64183	64726	600	110
64185	64728	800	100
64186	64730	1000	70
64187	64732	1200	70

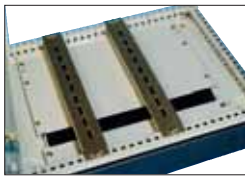
(1) Uniformly spread over 2 cross rails.

### Light cross rails

Reference	For width or depth (mm)	
	framework	door
64671	300	400
64672	400	500
64673	500	600
64674	-	800
64675	-	1000
64676	600	-
64677	800	-
64678	1000	-
64679	1200	-



- Set of 2 cross rails.
- Are fixed directly on the framework.



Not applicable to stainless steel.

### Set of 2 cross rails for heavy loads

Reference set of 2 cross rails	Cell depth (mm)	Load (kg)
64734	400	250
64735	500	200
64736	600	175
64738	800	150

- Lateral adjustment in 25 mm steps.
- Rectangular 25×10 mm holes enabling adaptation to the spacing of the equipment.
- Supplied in 2s with fixings.

### Symmetrical, asymmetrical and combined rails and nuts for rails

- See wallmounting enclosure section pages 45 and 46.

### Slotted hexagonal head screw with captive washer

- See wallmounting enclosure section page 46.

## Equipment support accessories

### Fixed shelves



Floor standing suitable enclosure		Shelf reference	Shelf W x D (mm)
Width (mm)	Depth (mm)		
600	400	64404	482 × 290
	500	64405	482 × 390
800	600	64406	482 × 490
	400	64414	682 × 290
	500	64415	682 × 390
	600	64416	682 × 490

Cell depth (mm)	Reference 2 cross rails
500	64162
600	64163
800	64165

- 2 possibilities for assembly depending on whether the depth of the shelf with respect to the Spacial 6000 floor standing suitable enclosure is:
  - identical: order 1 shelf (fixing system included),
  - lower: order 1 shelf and 2 cross rails 1 row. In this case, the shelf is adjustable in terms of depth in 25 mm steps.
- Material: steel, RAL 7032 gray paint.
- Maximum load: 50 kg uniformly distributed.
- Height of ply: 30 mm.
- Supplied without handle.



### Telescopic slide

Slides reference	Cell depth (mm)
64374	400
64375	500
64376	600

- Set of 2 telescopic slides.
- A telescopic shelf is fitted using:
  - 1 fixed shelf,
  - 2 telescopic slides (fitted directly on the framework).
- Material: treated steel.
- Maximum load: 50 kg uniformly distributed.
- Telescopic slide supplied with fixing accessories.
- End of run stop for the slide in closed and open position.

### Cable management accessories

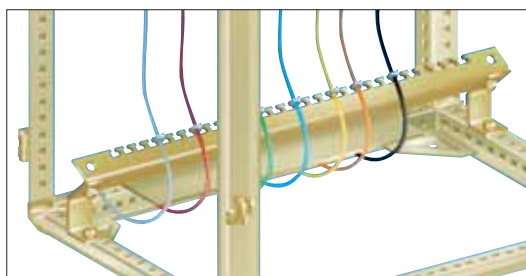
- See wallmounting enclosure section page 47.

### Fixing supports for cables (fitting on framework)



Supports reference	Floor standing suitable enclosure width / depth (mm)	Angle/support
66086	600	90°
66090	600	120°
66088	800	90°
66092	800	120°

### Lower cross rail for cable guide



Reference	Floor standing suitable enclosure width (mm)
64656	600
65658	800
65660	800
64656 × 2	800
65658 × 2	800

# Spacial 6000 configured floor standing suitable enclosures



Send the document to your local SAREL sales office by e-mail or fax

**YOUR CONTACT DETAILS**

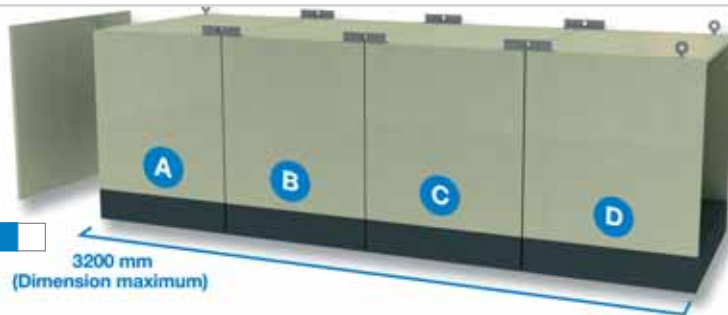
First/last name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Project: \_\_\_\_\_ Truck with tailgate: \_\_\_\_\_

**NUMBER OF SETS** \_\_\_\_\_ **STANDARD REFERENCE** \_\_\_\_\_

**FLOOR STANDING SUITABLE ENCLOSURE(S) PER SET** \_\_\_\_\_ **TOTAL DIMENSIONS OF THE SET (mm)** H | \_\_\_\_\_ W | \_\_\_\_\_ D | \_\_\_\_\_

**COLOR CHOICE ACCORDING TO THE LIST** REF. \_\_\_\_\_ **REINFORCED ANTICORROSION COATING**

<b>RAL</b>	<b>Yellow</b> 1003 1007 1013 1015 1018	<b>Orange</b> 2000 2003 2004	<b>Red</b> 3000 3003	<b>Blue</b> 5002 5013 5005 5015 5009 5010 5012	<b>Green</b> 6011 6018 6019 6029	<b>Grey</b> 7011 7038 7016 7042 7030 7035 7036	<b>White</b> 9001 9018 9002 9005 9010 9016	<b>Black</b>	<b>Blue</b> 2525 2550 1550	<b>RAL</b>
------------	---	---------------------------------------	----------------------------	---	--	---	---	--------------	-------------------------------------	------------



**LEFT SIDE PANEL**

**HOISTING**

**RIGHT SIDE PANEL**

**PLINTH**

HEIGHT 100 (mm)

HEIGHT 200 (mm)

TYPE

INDIVIDUAL

OF THE SET

SPECIAL COLOR

	<b>FLOOR STANDING SUITABLE ENCLOSURE A</b>	<b>FLOOR STANDING SUITABLE ENCLOSURE B</b>	<b>FLOOR STANDING SUITABLE ENCLOSURE C</b>	<b>FLOOR STANDING SUITABLE ENCLOSURE D</b>
<b>WIDTH (mm)</b>				
<b>DESCRIPTION OF THE FRONT DOOR</b>				
GLAZED	RG <input type="checkbox"/>	RG <input type="checkbox"/>	RG <input type="checkbox"/>	RG <input type="checkbox"/>
HINGES	R <input type="checkbox"/> L <input type="checkbox"/> 180° <input type="checkbox"/>	R <input type="checkbox"/> L <input type="checkbox"/> 180° <input type="checkbox"/>	R <input type="checkbox"/> L <input type="checkbox"/> 180° <input type="checkbox"/>	R <input type="checkbox"/> L <input type="checkbox"/> 180° <input type="checkbox"/>
<b>CLOSURE</b>				
HANDLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ESCUTCHEON PLATE INSERT	<input type="checkbox"/> REF. _____	<input type="checkbox"/> REF. _____	<input type="checkbox"/> REF. _____	<input type="checkbox"/> REF. _____
<b>REAR DOOR REAR PANEL</b>	PO <input type="checkbox"/> PA <input type="checkbox"/>	DO <input type="checkbox"/> PA <input type="checkbox"/>	DO <input type="checkbox"/> PA <input type="checkbox"/>	DO <input type="checkbox"/> PA <input type="checkbox"/>
HINGES	R <input type="checkbox"/> L <input type="checkbox"/> 180° <input type="checkbox"/>	R <input type="checkbox"/> L <input type="checkbox"/> 180° <input type="checkbox"/>	R <input type="checkbox"/> L <input type="checkbox"/> 180° <input type="checkbox"/>	R <input type="checkbox"/> L <input type="checkbox"/> 180° <input type="checkbox"/>
<b>CLOSURE</b>				
HANDLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ESCUTCHEON INSERT	<input type="checkbox"/> REF. _____	<input type="checkbox"/> REF. _____	<input type="checkbox"/> REF. _____	<input type="checkbox"/> REF. _____
<b>PARTITIONS</b>		<input type="checkbox"/>	<input type="checkbox"/>	
<b>CABLE GLAND PLATE</b>		<input type="checkbox"/>	<input type="checkbox"/>	
WITHOUT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PARTS	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>
<b>TECHNICAL GASKET</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Configured Spacial 6000 floor standing suitable enclosure



### DEFINE THE ACCESSORIES

	FLOOR STANDING SUITABLE ENCLOSURE <b>A</b>	FLOOR STANDING SUITABLE ENCLOSURE <b>B</b>	FLOOR STANDING SUITABLE ENCLOSURE <b>C</b>	FLOOR STANDING SUITABLE ENCLOSURE <b>D</b>
PLAIN GALVANIZED CHASSIS	<input type="checkbox"/>			
INTERMEDIATE CHASSIS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VERTICAL RAILS	REF. ....	REF. ....	REF. ....	REF. ....
19" CHASSIS	REF. ....	REF. ....	REF. ....	REF. ....
GROUNDING STRIP	REF. ....	REF. ....	REF. ....	REF. ....
LIGHTING	REF. ....	REF. ....	REF. ....	REF. ....
DOOR SWITCH	FRONT <input type="checkbox"/> REAR <input type="checkbox"/>	FRONT <input type="checkbox"/> REAR <input type="checkbox"/>	FRONT <input type="checkbox"/> REAR <input type="checkbox"/>	FRONT <input type="checkbox"/> REAR <input type="checkbox"/>
DOOR STOP	FRONT <input type="checkbox"/> REAR <input type="checkbox"/>	FRONT <input type="checkbox"/> REAR <input type="checkbox"/>	FRONT <input type="checkbox"/> REAR <input type="checkbox"/>	FRONT <input type="checkbox"/> REAR <input type="checkbox"/>
WINDOWS	REF. ....	REF. ....	REF. ....	REF. ....
DOOR SCHEME GLUED TO THE FRONT	REF. ....	REF. ....	REF. ....	REF. ....
DOOR SCHEME SCREWED TO THE FRONT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FRONT DOCUMENT LECTERN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INNER FRONT DOOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPECIAL COLOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### DEFINE YOUR THERMAL EQUIPMENT

LOUVERS	REF. ....	REF. ....	REF. ....	REF. ....
	QUANTITY .....	QUANTITY .....	QUANTITY .....	QUANTITY .....
ANTI-INSECT GRILL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HOOD/STAND-OFFS	REF. ....	REF. ....	REF. ....	REF. ....
FAN	.....	.....	.....	.....
	QUANTITY .....	QUANTITY .....	QUANTITY .....	QUANTITY .....
OUTLET GRILL	REF. ....	REF. ....	REF. ....	REF. ....
	QUANTITY .....	QUANTITY .....	QUANTITY .....	QUANTITY .....
COOLING UNIT	REF. ....	REF. ....	REF. ....	REF. ....

Download the configuration sheets and the DXF drawings from the website [www.sarelenclosures.com](http://www.sarelenclosures.com)  
 Send them back to your local **SAREL** agency indicating your modifications.  
 Essential if ordering to take advantage of the configured deadline.



## Configured Spacial 6000 floor standing suitable enclosure

DEFINE YOUR MACHININGS SPECIFYING THEIR QUANTITY

FLOOR STANDING SUITABLE ENCLOSURE <b>A</b>	FLOOR STANDING SUITABLE ENCLOSURE <b>B</b>	FLOOR STANDING SUITABLE ENCLOSURE <b>C</b>	FLOOR STANDING SUITABLE ENCLOSURE <b>D</b>
<b>DRILLINGS</b> ON THE FRONT <input type="text"/> ON THE FRONT <input type="text"/>	<b>DRILLINGS</b> ON THE FRONT <input type="text"/> ON THE FRONT <input type="text"/>	<b>DRILLINGS</b> ON THE FRONT <input type="text"/> ON THE FRONT <input type="text"/>	<b>DRILLINGS</b> ON THE FRONT <input type="text"/> ON THE FRONT <input type="text"/>
ON THE TOP <input type="text"/>	ON THE TOP <input type="text"/>	ON THE TOP <input type="text"/>	ON THE TOP <input type="text"/>
ON THE CHASSIS <input type="text"/>	ON THE CHASSIS <input type="text"/>	ON THE CHASSIS <input type="text"/>	ON THE CHASSIS <input type="text"/>
ON THE LEFT SIDE PANEL <input type="text"/>			
ON THE RIGHT SIDE PANEL <input type="text"/>			

Download the configuration sheets and the DXF drawings from the website [www.sarelenclosures.com](http://www.sarelenclosures.com)

Send them back to your local **SAREL** agency indicating your modifications. Essential if ordering to take advantage of the configured deadline.



If you have any other needs or constraints, get in touch with us. **SAREL** also offers customized solutions to meet your other requirements.



Wallmounting enclosure with articulated tubes

*The design of a global SAREL dialog system, combining aesthetics and ergonomics, makes it easy to meet the requirements of the application and to customize it exactly the way the customer envisages.*

*Enclosures which meet the requirements of all industrial IT applications.*

*Our floor standing suitable enclosures and control desks are ergonomic, robust and aesthetic and integrate perfectly into all control and supervision rooms.*



PC rack



Floor standing suitable enclosures

Boxes

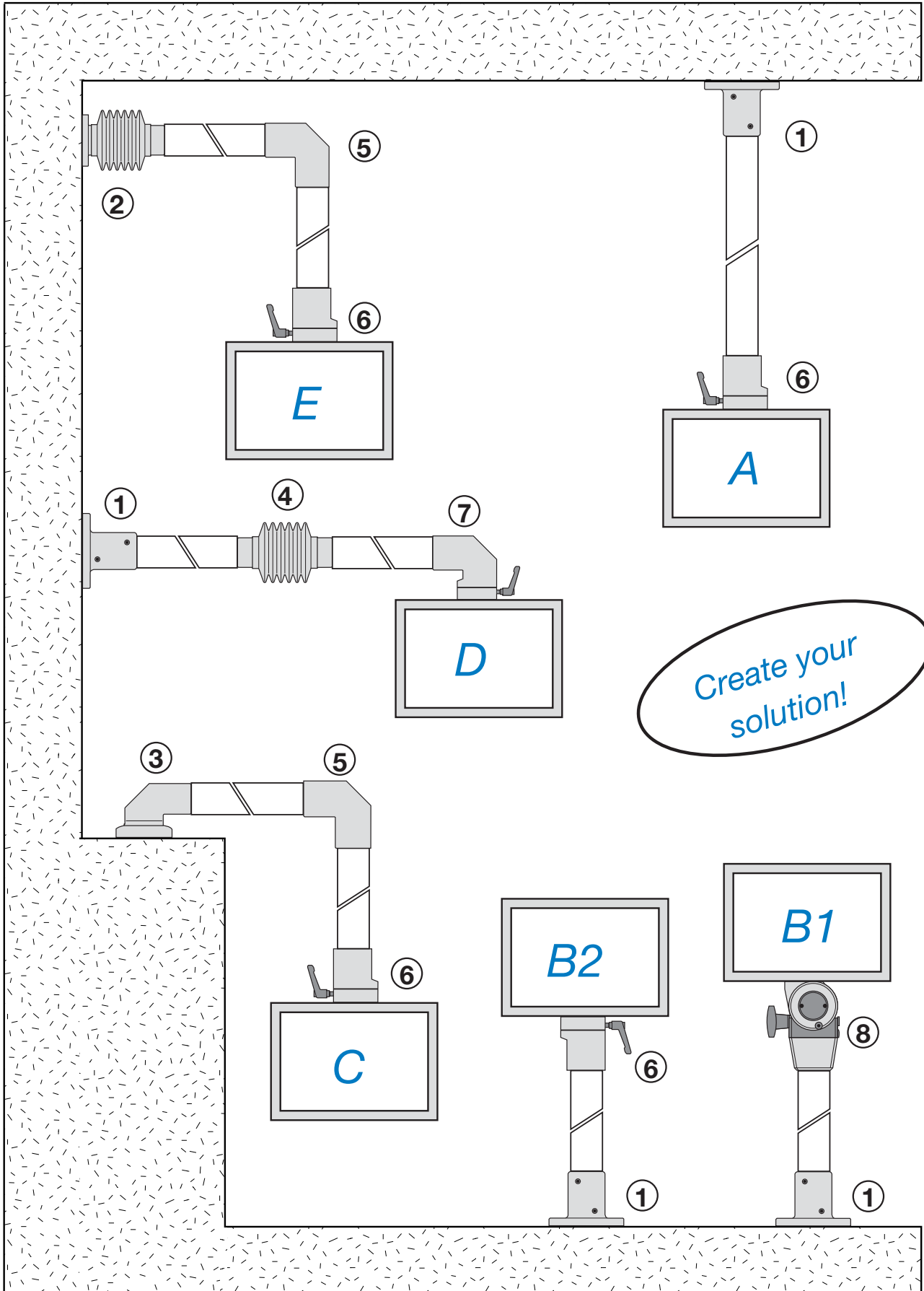
Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

Thermal packaging of electrical panels

Technical appendices

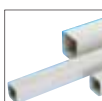


## Examples of configurations



Wallmounting enclosure

Tube section H × W × D (mm)	A ceiling		B1 floor		B2 floor		C on frame		D wall		E wall	
	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
300 × 300 × 200	<b>83241</b>	-	<b>83241</b>	-	<b>83241</b>	-	<b>83241</b>	-	<b>83241</b>	-	<b>83241</b>	-
300 × 400 × 200	<b>83242</b>	-	<b>83242</b>	-	<b>83242</b>	-	<b>83242</b>	-	<b>83242</b>	-	<b>83242</b>	-
400 × 400 × 200	<b>83244</b>	-	<b>83244</b>	-	<b>83244</b>	-	<b>83244</b>	-	<b>83244</b>	-	<b>83244</b>	-
400 × 600 × 250	<b>83294</b>	-	<b>83294</b>	-	<b>83294</b>	-	<b>83294</b>	-	<b>83294</b>	-	<b>83294</b>	-
500 × 500 × 250	<b>83249</b>	-	<b>83249</b>	-	<b>83249</b>	-	<b>83249</b>	-	<b>83249</b>	-	<b>83249</b>	-
600 × 600 × 200	<b>83295</b>	-	<b>83295</b>	-	<b>83295</b>	-	<b>83295</b>	-	<b>83295</b>	-	<b>83295</b>	-
600 × 800 × 300	-	<b>83247</b>	-	<b>83247</b>	-	<b>83247</b>	-	<b>83247</b>	-	<b>83247</b>	-	<b>83247</b>
800 × 600 × 300	-	<b>83248</b>	-	<b>83248</b>	-	<b>83248</b>	-	<b>83248</b>	-	<b>83248</b>	-	<b>83248</b>



Tube

Tube section	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
Length (m)												
0.5	<b>83280</b>	<b>83284</b>	<b>83280</b>	<b>83284</b>	<b>83280</b>	<b>83284</b>	<b>83280</b>	<b>83284</b>	<b>83280</b>	<b>83284</b>	<b>83280</b>	<b>83284</b>
1	<b>83281</b>	<b>83285</b>	<b>83281</b>	<b>83285</b>	<b>83281</b>	<b>83285</b>	<b>83281</b>	<b>83285</b>	<b>83281</b>	<b>83285</b>	<b>83281</b>	<b>83285</b>
1.5	<b>83282</b>	<b>83286</b>	<b>83282</b>	<b>83286</b>	<b>83282</b>	<b>83286</b>	<b>83282</b>	<b>83286</b>	<b>83282</b>	<b>83286</b>	<b>83282</b>	<b>83286</b>
2	<b>83283</b>	<b>83287</b>	<b>83283</b>	<b>83287</b>	<b>83283</b>	<b>83287</b>	<b>83283</b>	<b>83287</b>	<b>83283</b>	<b>83287</b>	<b>83283</b>	<b>83287</b>



Fixed sub-base

1

Tube section	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
Fixture on support												
Fixed sub-base	<b>83268</b>	<b>83278</b>	<b>83268</b>	<b>83278</b>	<b>83268</b>	<b>83278</b>	-	-	<b>83268</b>	<b>83278</b>	-	-



Wall fixture with articulation

2

Wall fixture with articulation	-	-	-	-	-	-	-	-	-	-	<b>83266</b>	<b>83276</b>
--------------------------------	---	---	---	---	---	---	---	---	---	---	--------------	--------------



Straight rotating connector

3

Straight rotating connector	-	-	-	-	-	-	<b>83263</b>	<b>83273</b>	-	-	-	-
-----------------------------	---	---	---	---	---	---	--------------	--------------	---	---	---	---



Horizontal tube joint

4

Tube section	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
Connection parts												
Horizontal tubes joint	-	-	-	-	-	-	-	-	<b>83265</b>	<b>83275</b>	-	-



Fixed bracket

5

Fixed bracket	-	-	-	-	-	-	<b>83262</b>	<b>83272</b>	-	-	<b>83262</b>	<b>83272</b>
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Rotating fixture on enclosure

6

Tube section	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
Fixture on wallmounting enclosure	-	-	-	-	-	-	-	-	-	-	-	-
Rotating fixture on wallmounting enclosure	<b>83260</b>	<b>83270</b>	-	-	<b>83260</b>	<b>83270</b>	<b>83260</b>	<b>83270</b>	-	-	<b>83260</b>	<b>83270</b>



Right-angled rotating fixture on wallmounting enclosure

7

Right-angled rotating fixture on wallmounting enclosure	-	-	-	-	-	-	-	-	<b>83261</b>	<b>83271</b>	-	-
---	---	---	---	---	---	---	---	---	--------------	--------------	---	---

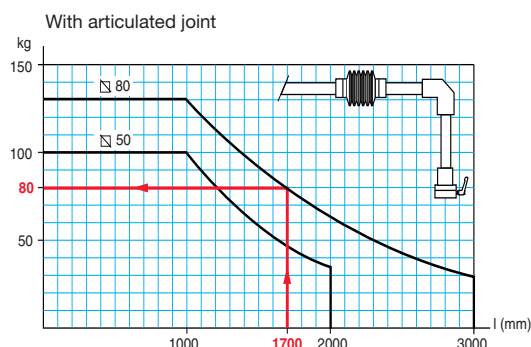
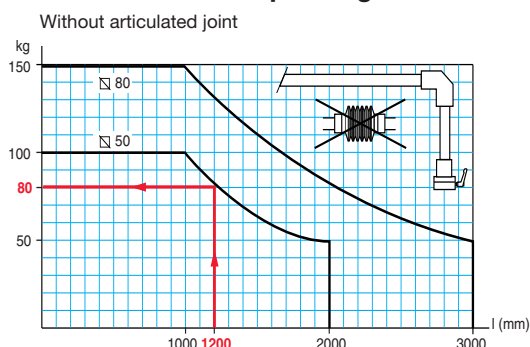


Tiltable fixture on wallmounting enclosure

8

Tiltable fixture on wallmounting enclosure	-	-	<b>83267</b>	<b>83277</b>	-	-	-	-	-	-	-	-
--	---	---	--------------	--------------	---	---	---	---	---	---	---	---

## Choice of models depending on load and cantilever





### Composition

- Framework.
- Partial front doors.
- Plain rear door.
- 5 mm double bar closure.
- Fitted with 6 welded studs for assembling a door reinforcement frame.
- Removable top, internal locking.
- Removable side panels, internal locking.
- 2-part cable gland plate.
- Protection index: IP55 (IP40 with the keyboard drawer open).

### Monitor/screen compartment

- Non-reflective glazed door designed to view screens:
  - 14" as standard.
  - 17" by partially removing the silk screen.
- Height adjustable monitor support; maximum weight of 40 kg.

### CPU compartment

- For PC rack 1800 mm high.

### Keyboard and mouse compartment

- Light pressure on the drawer releases the keyboard shelf to move forwards.
- The mouse shelf, fitted with a pad, is located under the keyboard and can slide out to either side for left or right handed users.

### Printer compartment

- As an option, a printer support shelf is available in A3 or A4 formats; get in touch with your local agent.

### Locking system

- The various compartments are supplied with an escutcheon and 5 mm double insert closure system as standard.
- Other locks available on request.

### PC racks

External dimensions (mm)			PC rack references	Number of front compartments	Plinths (1) RAL 7022	
Height	Width	Depth			100 mm	200 mm
1600	600	600	<b>68500</b>	<b>3 (2)</b>	<b>69066</b>	<b>69266</b>
		800	<b>68501</b>	<b>3 (2)</b>	<b>69068</b>	<b>69268</b>
1800	600	600	<b>68502</b>	<b>4</b>	<b>69066</b>	<b>69266</b>
		800	<b>68503</b>	<b>4</b>	<b>69068</b>	<b>69268</b>

(1) Plinth to be ordered separately.  
(2) No CPU compartment.



*The Spacial IP55 control desks range offers all the features required to create a control station that meets industrial and infrastructure needs. A monobloc range, with or without console, and a modular range, provide solutions for every application. They are easy to set up and compatible with dialog components. They ensure the safety and protection of control devices. With a large range of sizes, they fulfill the most demanding user expectations.*

Material	Spacial steel and stainless steel control desk			
Criteria / name of range	Monobloc control desk without console	Monobloc control desk with console	Modular control desk	Spacial stainless steel control desk
Operating environment	Inside, industrial environment			Inside, outside, agri-food, pharmaceutical environment
Sealing	IP55	IP55	IP55	IP55
Impact resistance	IK10	IK10	IK10	IK10
Dimensions (mm)	H 1000 W 600 to 1200 D 400	H 1400 W 800 to 1600 D 400 to 600	H 1000 W 600 to 1200 D 500	H 1000 W 600 to 1200 D 500
Size of range	<b>4 references</b>	<b>8 references</b>	<b>4 references</b>	<b>4 references</b>
Transparent door option	■	■	■	■
Combinability	■	■	■	■
RAL color	7032	7032	7032	as required



*Wallmounting enclosures, floor standing monobloc enclosures or control desks can be specially made on request to meet your own specific requirements.*

- Made of electrogalvanized 304L or 316L stainless steel sheets, up to 3 mm thick.
- Prototype, small or large series production.
- Fast quotation on request from your local SAREL agency.



*Pressurized wallmounting enclosure*



*Floor standing monobloc enclosure for tropical environments*



*Test desk*



*Stainless steel telecommunications floor standing monobloc enclosure*



*Marine floor standing monobloc enclosure*



*Control desk*

ClimaSys offers you an end to breakdowns linked to thermal constraints!

**Our solutions enable you to adapt to three constraints:**

**Cool**

*To lower the temperature inside the enclosure, you can:*

■ **Increase the size of an enclosure:**

□ the space inside an enclosure enables air circulation to be encouraged and the enclosure to be cooled.

■ **Aerate:**

□ the aeration louvers and the top stand-offs enable the intake of fresh air into the enclosure (if the air outside is cooler than the air inside).

■ **Circulate:**

□ the circulation fans, the top hoods and the circulation units enable circulation of the air inside the enclosure and forcing of the air flow.

■ **Ventilate and cool with air-air exchangers:**

□ the fans enable cool air to be taken in with one or two air outlet grills at a flow rate calculated depending on your environment and your equipment, and warm air to be discharged.

■ **Air-condition with air-water exchangers or a cooling unit:**

□ when the outside temperature is higher than the inside temperature. For cooling, there is only one solution: air-conditioning.

**Heat**

*When it is cold, to maintain an inside temperature which does not affect the performance of your equipment. The resistance heaters controlled by thermostats enable a constant temperature to be maintained.*

**Dry**

*In damp environments, or when the temperature difference causes condensation, a resistance heater must be installed with a hygrostat to avoid the process stopping.*



**Adapting to the environment:**

- Contact with the public: anti-vandalism kit
- Electromagnetic environments: EMC kit
- Rain, cleaning: aluzinc painted cover IP55
- Decontamination, sterilization, cleaning: stainless steel cover IP55
- Presence of insects, oil, dust: special filters

Boxes

Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

Thermal packaging of electrical panels

Technical appendices

**Natural ventilation**

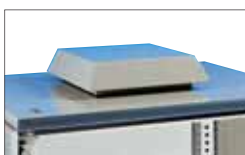
Natural ventilation ensures air circulation in the enclosure. It enables hot spots to be avoided and thus to guarantee the lifetime of the components. Where enclosures are exposed to rapid variations of external temperature, there are no more problems with condensation on the internal walls.



Ref. 21307



Ref. 21407, 21410, 21418



21306



Ref. 21411



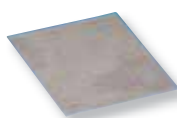
Ref. 21412



Ref. 21413



Ref. 04684



Anti-insect filters

**Stand-offs for Spacial 6000 floor standing suitable enclosure**

Reference		IP
21307	stand-off	23

Take care: not to be fitted with lifting eyes.

**Metal ventilation louvers (IP23)**

RAL 7032 louver reference	RAL 7035 louver reference	Dimensions	Louver length	IP
21407	27407	120 × 120 mm	70 mm	23
21410	27410	160 × 160 mm	100 mm	23
21418	27418	220 × 220 mm	180 mm	23

**Top hood without a fan (IP54)**

- Lot of 4 top stand-offs; raises the top by 14 mm, only for Spacial 6000 floor standing suitable enclosures.
- Hood in steel sheet, structured polyester base paint, RAL 7032 gray color.
- These 2 solutions are to be combined with fitting ventilation louvers.
- Hood with fan, see general catalogue (ref. 99807).

Reference	Description	IP
21306	hood	54

**Spare filter for top hood**

Reference	Description	Retention capacity	Filtration capacity (1)
21309	filter	500 g/m <sup>2</sup>	G4

(1) According to the EN 779 standard.

**Plastic ventilation louvers**

- Four models available according to the IP index.

Louvers reference	Drilling Ø (mm)	IP
21411	45.5	32
21412	35	30 / 44 (1)
21413	38	45
04684	33	45

(1) According to assembly, in the Thalassa polyester wallmounting enclosure.

**Anti-insect filters**

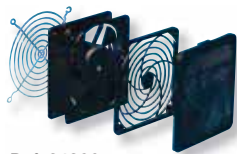
- Three models according to dimensions.
- Material: 304L stainless steel wire Ø 0.32 mm braided, mesh 1.07 mm, thickness 0.6 mm.
- These grills are to be placed between the enclosure and the ventilation louver.
- Reinforced sealing: IP33.
- Mass: 0.8 kg/m.

Ref.	Height × width (mm)	For louver reference
21404	98 × 115	21407
21408	133 × 158	21410
21494	197 × 215	21418

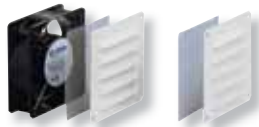
**Rapid choice table for fans and accessories**

**Alternating current (AC) power supply (50 Hz values)**

	IP	Free flow rate with filter (m³/hr)	Flow rate with 1 outlet grille (m³/hr)	Voltage (V)	Filter fan ref. RAL 7032	Outlet grille ref. RAL 7032	Filter fan ref. RAL 7035	Outlet grille ref. RAL 7035	Cut-out size (mm)
	20	65		230	<b>21300</b>	<b>21303</b>			Ø 108
				115	<b>21301</b>				
	33	170	54	230	<b>21400</b>	included in the full kit <b>21400</b>			94×96
	54	38	25	230	<b>87900</b>	<b>87910</b>	<b>87600</b>	<b>87610</b>	92×92
				115	<b>87906</b>				
		85	63	230	<b>87901</b>	<b>87911</b>	<b>87601</b>	<b>87611</b>	125×125
		79	65	115	<b>87908</b>		<b>87608</b>		
		165	153	230	<b>87902</b>	<b>87912</b>	<b>87602</b>	<b>87612</b>	223×223
		302	260	230	<b>87903</b>		<b>87603</b>		
	302	263	115	<b>87884</b>		<b>87584</b>			
562	473	230	<b>87904</b>	<b>87913</b>	<b>87604</b>	<b>87613</b>	291×291		
								115	<b>87885</b>
582	485	115	<b>87885</b>		<b>87585</b>				
								230	<b>87905</b>
838	718	230	<b>87905</b>		<b>87605</b>				
								115	<b>87886</b>
983	843	115	<b>87886</b>		<b>87586</b>				
								400 /440	<b>87909</b>
931	798	400 /440	<b>87909</b>		<b>87609</b>				
Top extractor	54	400	350	230	<b>21305</b>	<b>87913</b>			228×228
				115	<b>21350</b>				



Ref. 21300



Ref. 21400

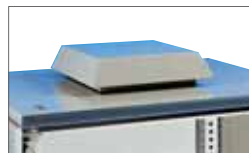
! Full kit



Alternating current filter fans



Outlet grilles IP54



Ref. 21305

**Direct current (DC) power supply**

	IP	Free flow rate with Filter (m³/hr)	Flow rate with 1 outlet grille (m³/hr)	Voltage (V)	Filter fan ref. RAL 7032	Outlet grille ref. RAL 7032	Filter fan ref. RAL 7035	Outlet grille ref. RAL 7035	Cut-out size (mm)
Good seating level	54	50	40	24 DC	<b>87892</b>	<b>87910</b>	<b>87592</b>	<b>87610</b>	92×92
				48 DC	<b>87942</b>				
	80	58	24 DC	<b>87893</b>	<b>87911</b>	<b>87593</b>	<b>87611</b>	125×125	
									48 DC
	190	170	24 DC	<b>87894</b>	<b>87912</b>	<b>87594</b>	<b>87612</b>	223×223	
									48 DC
	250	220	24 DC	<b>87895</b>		<b>87595</b>			
									48 DC
247	210	48 DC	<b>87974</b>		<b>87674</b>				

! 2 standard colors: RAL 7032 and RAL 7035



Direct current (DC) filter fans



**Power connection cable for fans**

- To enable the connection with the fan motor.

Reference	Length (mm)
87999	1000
87989	2000



**Anti-vandalism kit**

- Tamperproof screw kit for outlet grille or filter fan.
- Prevents inopportune openings.

Reference	Dimensions (mm)	minor ent.
RAL 7011		
87931	137 × 177	2
87931	170 × 150	2
87931	268 × 248	2
87931	336 × 316	2



**Accessories for severe atmospheres**

(take care, the flow rates may be reduced by the addition of these accessories)

Cut size (mm)	Standard filter ref.	Greasy atmosphere filter kit ref.	IP55 damp atmosphere filter kit ref.	Anti-insect grille kit ref.	EMC kit for filter fans RAL 7032	EMC kit for outlet grilles RAL 7032
92 × 92	87916	-	-	87946	-	-
125 × 125	87917	87927	87937	87947	87983	87983
223 × 223	87918	87928	87938	87948	87984	87984
291 × 291	87919	87929	87939	87949	87985	87985



Aluzinc



Stainless steel

**Sealing kit IP55**

- Protective cover against water spray.
- Fitted directly onto the fans and the filters and enables their degree of sealing to be raised to IP55.
- Made of stainless steel and aluzinc.
- To equip a fan and a grill, order 1 kit for the fan and 1 kit for the grill.

External dimensions (mm)	Cut size (mm)	Kit reference			Replacement filters reference
		in aluzinc		in stainless steel	
		RAL 7032	RAL 7035		
170 × 150	125 × 125	87980	87975	87937	87971
268 × 248	223 × 223	87981	87976	87938	87972
336 × 316	291 × 291	87982	87977	87939	87973



17555



21431



21432



Resistance heaters

Reference	Power in W	Voltage (V)	Type of connection	
			Terminal	Cable
17504	10	12-36 DC		●
17501	10	110-250 AC		●
17512	20	12-36 DC		●
17502	20	110-250 AC		●
17510	20	270-420 AC	●	
17518	55	12-36 DC	●	
17506	55	110-250 AC	●	
17521	55	270-420 AC	●	
17523	90	12-36 DC	●	
17509	90	110-250 AC	●	
17528	90	270-420 AC	●	
17536	150	12-36 DC	●	
17515	150	110-250 AC	●	
17540	150	270-420 AC	●	

Resistance heaters with fan

Reference	Power in W	Voltage (V)	Type of connection	
			Terminal	Cable
17570	250	115 AC	●	
17531	250	230 AC	●	
17581	400	115 AC	●	
17554	400	230 AC	●	
17572	200	115 AC	●	
17555	200	230 AC	●	

Fixing accessories

Reference	Description
21432	Lot of 5 contact studs
21431	Lot of 5 contact studs and DIN rail

Insulated resistance heaters

Reference	Power in W	Voltage (V)	Type of connection	
			Terminal	Cable
87504	10	12-36 DC	●	
87501	10	110-250 AC	●	
87512	21	12-36 DC	●	
87502	21	110-250 AC	●	
87518	55	12-36 DC	●	
87506	55	110-250 AC	●	
87521	55	270-420 AC	●	
87523	100	12-36 DC	●	
87509	100	110-250 AC	●	
87528	100	270-420 AC	●	
87536	147	12-36 DC	●	
87515	147	110-250 AC	●	






Insulated resistance heaters with fan



Reference	Power in W	Voltage (V)	Type of connection	
			Terminal	Cable
87555	177	230 AC	●	


Thermofans

Reference	Power in W	Voltage (V)	Type of connection	
			Terminal	Cable
17571	400/550	120 AC	●	
17526	400/550	230 AC	●	

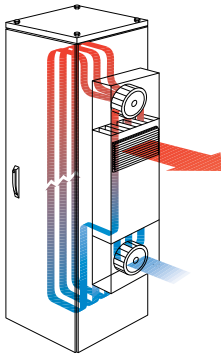
Rapid choice table for control accessories

	Temperature control		Set point	Ref.	Power supply	Contact	Max. switching power	Precision	Hysteresis			
 <p>! Secure the set point with a fixed thermostat</p>	Order a resistance heater	fixed thermostat	5 °C (frost free)	<b>87565</b>		O	AC 250 V, 10 A AC 120 V, 5 A DC 30 W	± 4 °C	7 °C			
			10 °C	<b>87566</b>		O						
			15 °C (condensation)	<b>87567</b>		O						
		adjustable thermostat	0°...+60 °C	<b>87561</b>		O						
	Order a fan	fixed thermostat	25 °C	<b>87568</b>		C	AC 250 V, 10 A AC 120 V, 5 A DC 30 W	± 4 °C	7 °C			
			30 °C	<b>87569</b>		C						
			35 °C	<b>87570</b>		C						
		adjustable thermostat	0°...+60 °C	<b>87562</b>		C						
  	Order a resistance heater and / or a fan	double fixed thermostat	+10°... +35 °C	<b>87571</b>		O / C	AC 250 V, 10 A AC 120 V, 5 A DC 30 W	± 4 °C	7 °C	T° < 10°C order a resistance heater T° > 35°C order a fan		
			+35° ... +45 °C	<b>87572</b>		C / C				± 4 °C	7 °C	T° > 35°C order a fan T° > 45°C order an alarm
			+5 °...+15 °C	<b>87573</b>		O / O				± 4 °C	7 °C	
			double adjustable thermostat	0°...+60 °C	<b>87564</b>		O / C		± 4 °C	7 °C	T° < T1 °C order a resistance heater T° > T2 °C order a fan	
			OC thermostat	+10°...+60°C	<b>87558</b>		Inverter	Opening AC 250 V, 10 A DC 30W Opening AC 250 V, 5 A DC 30 W	± 1.5 °C	7 °C	order a resistance heater or a fan	
			electronic thermostat	0°...+60 °C	<b>87563</b>	24 V direct	O / C Inverter	2 x 8 A - 24 V DC	± 2 °C	10 °C	order a resistance heater or a high precision fan	

		Humidity control								
 	Order a resistance heater	fixed hygrostat	60% RH	<b>87574</b>		C	AC 250 V, 5 A DC 20 W	± 5%	4% RH	
		adjustable hygrostat	35%...95% RH	<b>87560</b>		C	AC 250 V, 5 A DC 20 W	± 5%	4% RH	

		Temperature and humidity control								
	Order a resistance heater and / or a fan	hygrotherm	0°...+60 °C and 35%...95% RH	<b>17559</b>		Inverter (relay)	Opening AC 240 V, 6 A DC 24V, 4A Closure AC 240 V, 8 A DC 24 V, 4 A		temp. 2 °C humidity 4% RH	

The benefits of the SAREL range



Air-air exchangers

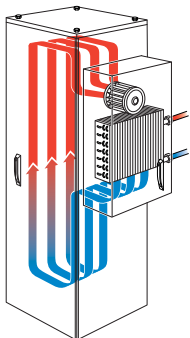
- Reliability.
- Simplicity.
- Total containment of the components in the floor standing monobloc enclosure.
- Inside or outside assembly.



Technical features	Top models reference 17960	Vertical models		
		reference 17961	reference 17963	reference 17965
External dimensions H × W × D (mm)	340 × 600 × 360	340 × 600 × 360	780 × 325 × 144	1480 × 450 × 144
Specific power (1)	50 W/K	15 W/K	35 W/K	60 W/K
Air flow rate of the external circuit	450 m³/hr	200 m³/hr	450 m³/hr	450 m³/hr
Air flow rate of the internal circuit	450 m³/hr	200 m³/hr	450 m³/hr	450 m³/hr
Heat exchange surface	3.3 m²	1.23 m²	1.5 m²	6.6 m²
Weight of the equipment	19 kg	12 kg	15 kg	35 kg
Control	yes	yes	yes	yes
Type	thermostatic	thermostatic	thermostatic	thermostatic
Temperature control range	+25°...+50 °C	+25°...+50 °C	+25°...+50 °C	+25°...+50 °C
Supply voltage	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz
Start-up / rated current	2.1/0.7 A	2.1/0.7 A	2.1/0.7 A	2.1/0.7 A
Electrical power input	150 W	150 W	150 W	150 W
Noise level	67 dB	64 dB	64 dB	64 dB
IP on internal/external circuit	IP54/IP34	IP54/IP22	IP54/IP22	IP54/IP22
Nature of the fluid	air	air	air	air

(1) The power in W is obtained by multiplying the specific power by the temperature difference between the inside and outside of the enclosure.  
Example: for the exchanger ref. 17963, for a difference of 10 °C, the power is 350 W.

The benefits of the SAREL range



Air-water exchangers

- Economical.
- No filter maintenance.
- Reliability.
- Simplicity.



Technical features	Top models reference 17970	Vertical models reference 17971
	External dimensions H × W × D (mm)	310 × 600 × 365
Cooling capacity A35W10-200 l/hr	1800 W	1800 W
Maximum water pressure	1 MPa	1 MPa
Air flow rate of the external circuit	330 m³/hr	330 m³/hr
Weight of the equipment	26 kg	19 kg
Control	yes	yes
Type	thermostatic	thermostatic
Temperature control range	+ 25°...+ 50 °C	+ 25°...+ 50 °C
Supply voltage	230 V - 50/60 Hz	230 V - 50/60 Hz
Start-up / rated current	1/0.5 A	1/0.5 A
Electrical power input	90 W	90 W
Noise level	62 dB	62 dB
Type of alarm	dry contact	dry contact
IP	IP54	IP54
Nature of the fluid/max. pressure	water/10 bars	water/10 bars



Side models

Technical features	reference <b>17603</b>	reference <b>17604</b>	reference <b>17605</b>	reference <b>17608</b>
External dimensions H × W × D (mm)	1026 × 400 × 235	1026 × 400 × 235	1026 × 400 × 235	1026 × 400 × 235
Cooling capacity EN 814 A35-A35	1100 W	1400 W	1400 W	1800 W
Cooling capacity EN 814 A50-A35	900 W	1120 W	1120 W	1440 W
Air flow rate of the internal circuit	450 m³/hr	550 m³/hr	550 m³/hr	650 m³/hr
Air flow rate of the external circuit	600 m³/hr	750 m³/hr	750 m³/hr	900 m³/hr
Maximum pressure reached	2.3 MPa	2.3 MPa	2.3 MPa	2.3 MPa
Weight of the equipment	47 kg	48 kg	49 kg	51 kg
Control	yes	yes	yes	yes
Type of control	electronic	electronic	electronic	electronic
Temperature control range	+25...+50 °C	+25...+50 °C	+25...+50 °C	+25...+50 °C
Operating temperature range	+25...+55 °C	+25...+55 °C	+25...+55 °C	+25...+55 °C
Supply voltage	230 V - 50/60 Hz	230 V - 50/60 Hz	Three 400/440 V - 50/60 Hz	Three 400/440 V - 50/60 Hz
Start-up / rated current	15/3.5 A	19.7/4.5 A	12/1.8 A	12/2 A
Electrical power input A35-A35	700 W	800 W	700 W	900 W
Electrical power input A50-A35	900 W	1000 W	900 W	1100 W
Noise level	67 dB	67 dB	68 dB	68 dB
Coolant gas/weight	HFC R134a / 0.75 kg	HFC R134a / 0.8 kg	HFC R134a / 0.8 kg	HFC R134a / 0.9 kg
Type of alarm	dry contact and bell	dry contact and bell	dry contact and bell	dry contact and bell
Filter on external circuit	option	option	option	option
IP on internal/external circuit	IP54/IP34	IP54/IP34	IP54/IP34	IP54/IP34
Recommended thermal protection (1)	6 A	6 A	4 A	4 A

(1) Fuse blowing curve.



Top models

Technical features	reference <b>17614</b>	reference <b>17618</b>
External dimensions H × W × D (mm)	410 × 752 × 412	410 × 752 × 412
Cooling capacity EN 814 A35-A35	1400 W	1800 W
Cooling capacity EN 814 A50-A35	1120 W	1440 W
Air flow rate of the internal circuit	320 m³/hr	400 m³/hr
Air flow rate of the external circuit	450 m³/hr	450 m³/hr
Maximum pressure reached	2.3 MPa	2.3 MPa
Weight of the equipment	48 kg	51 kg
Control	yes	yes
Type of control	electronic	electronic
Temperature control range	+25...+50 °C	+25...+50 °C
Operating temperature range	+25...+55 °C	+25...+55 °C
Supply voltage	230 V - 50/60 Hz	Three 400 V - 50/60 Hz
Start-up / rated current	19/4.5 A	12/2 A
Electrical power input A35-A35	800 W	900 W
Electrical power input A50-A35	1000 W	1100 W
Noise level	67 dB	67 dB
Coolant gas/weight	HFC R134a / 0.85 kg	HFC R134a / 0.9 kg
Type of alarm	dry contact and bell	dry contact and bell
Filter on external circuit	option	option
IP on internal/external circuit	IP34/IP55	IP34/IP55
Recommended thermal protection (1)	6 A	4 A

(1) Fuse blowing curve.



Side models

Technical features	ref. 17600 (5)	ref. 17941	ref. 17943	ref. 17945	ref. 17947	ref. 17957
External dimensions H × W × D (mm)	450 × 350 × 140	620 × 300 × 170	800 × 350 × 195	900 × 400 × 195	1000 × 400 × 220	1000 × 400 × 220
Cooling capacity EN 814 A35-A35 (1)	240 W	370 W	760 W	1050 W	1650 W	1800 W
Cooling capacity EN 814 A50-A35 (1)	170 W	290 W	600 W	840 W	1400 W	1500 W
Air flow rate of the internal circuit	160 m³/hr	160 m³/hr	350 m³/hr	350 m³/hr	550 m³/hr	550 m³/hr
Air flow rate of the external circuit	620 m³/hr	210 m³/hr	330 m³/hr	510 m³/hr	620 m³/hr	620 m³/hr
Maximum pressure reached	1.8 MPa	1.8 MPa	1.8 MPa	1.8 MPa	1.8 MPa	1.8 MPa
Weight of the equipment	15 kg	21 kg	33 kg	39 kg	42 kg	46 kg
Control	yes	yes	yes	yes	yes	yes
Type of control	thermostatic	thermostatic	thermostatic	thermostatic	thermostatic	thermostatic
Temperature control range	+20...+45 °C	+20...+50 °C	+20...+50 °C	+20...+50 °C	+20...+50 °C	+20...+50 °C
Supply voltage (2)	230 V - 50 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz	400/440 V - 50/60 Hz (4)
Start-up / rated current	3.5/0.8 A	6/1.6 A	8/2.4 A	11/2.9 A	18/4.6 A	10/2.3 A
Electrical power input A35-A35	140 W	290 W	380 W	500 W	800 W	1200 W
Electrical power input A50-A35	160 W	340 W	450 W	650 W	1000 W	1400 W
Noise level	58 dB	65 dB	67 dB	67 dB	67 dB	69 dB
Coolant gas/weight	R134a/0.3 kg	R134a/0.3 kg	R134a/0.5 kg	R134a/0.7 kg	R134a/1.0 kg	R134a/1.0 kg
Type of alarm	dry contact	dry contact	dry contact	dry contact	dry contact	dry contact
Filter on external circuit	option	yes	yes	yes	yes	yes
IP on internal/external circuit	IP54/IP34	IP54/IP34	IP54/IP34	IP54/IP34	IP54/IP34	IP54/IP34
Recommended thermal protection (3)	6 A	3 A	4 A	6 A	3 A	4 A

(1) The equipment complies with DIN 3168 standards and the EN 814 European standard.

(2) For equipment operating at other voltages and frequencies, please contact us.

(3) Fuse blowing curve.

(4) Three-phase.

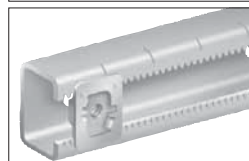
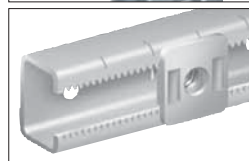
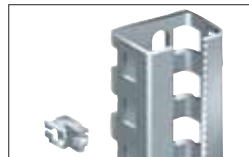
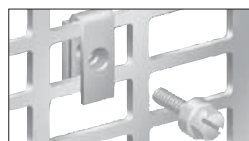
(5) Mini air conditioner.



Top models

Technical features	ref. 17944	ref. 17946	ref. 17954	ref. 17948	ref. 17958	ref. 17950	ref. 17952
External dimensions H × W × D (mm)	340 × 600 × 350	400 × 700 × 400	400 × 700 × 400	430 × 700 × 400	430 × 700 × 400	470 × 800 × 450	470 × 800 × 450
Cooling capacity EN 814 A35-A35 (1)	760 W	1050 W	1460 W	1650 W	1650 W	2450 W	3100 W
Cooling capacity EN 814 A50-A35 (1)	600 W	840 W	1180 W	1400 W	1400 W	1960 W	2500 W
Air flow rate of the internal circuit	350 m³/hr	430 m³/hr	430 m³/hr	550 m³/hr	550 m³/hr	750 m³/hr	750 m³/hr
Air flow rate of the external circuit	350 m³/hr	570 m³/hr	570 m³/hr	620 m³/hr	620 m³/hr	1200 m³/hr	1200 m³/hr
Maximum pressure reached	1.8 MPa	1.8 MPa	1.8 MPa	1.8 MPa	1.8 MPa	1.8 MPa	1.8 MPa
Weight of the equipment	33 kg	41 kg	45 kg	47 kg	60 kg	65 kg	65 kg
Control	yes	yes	yes	yes	yes	yes	yes
Type of control	thermostatic	thermostatic	thermostatic	thermostatic	thermostatic	thermostatic	thermostatic
Temperature control range	+20...+50 °C	+20...+50 °C	+20...+50 °C	+20...+50 °C	+20...+50 °C	+20...+50 °C	+20...+50 °C
Operating temperature range	+20...+55 °C	+20...+55 °C	+20...+55 °C	+20...+55 °C	+20...+55 °C	+20...+55 °C	+20...+55 °C
Supply voltage (2)	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz	400/440 V - 50/60 Hz	400/440 V - 50/60 Hz	400/440 V - 50/60 Hz
Start-up / rated current	8/2.4 A	11/2.9 A	11/2.9 A	18/4.6 A	10/2.3 A	14.5/2.8 A	14.5/3.4 A
Electrical power input A35-A35	380 W	500 W	700 W	800 W	1200 W	1200 W	1500 W
Electrical power input A50-A35	450 W	650 W	900 W	1000 W	1400 W	1500 W	1850 W
Noise level	67 dB	67 dB	67 dB	69 dB	69 dB	69 dB	69 dB
Coolant gas/weight	R134a/0.5 kg	R134a/0.7 kg	R134a/0.850 kg	R134a/1 kg	R134a/1 kg	R134a/1.25 kg	R134a/1.25 kg
Type of alarm	dry contact	dry contact	dry contact	dry contact	dry contact	dry contact	dry contact
Filter on external circuit	yes	yes	yes	yes	yes	yes	yes
IP on internal/external circuit	IP55/IP34	IP55/IP34	IP55/IP34	IP55/IP34	IP55/IP34	IP55/IP34	IP55/IP34
Recommended thermal protection (3)	4 A	6 A	6 A	6 A	4 A	6 A	6 A

## Fixings



Description	Ø	Length (mm)	Reference	Specific use
Clip-nut	M3	-	<b>21163</b>	Fitting on perforated plates on Telequick grill.
	M4	-	<b>21164</b>	
	M5	-	<b>21165</b>	
	M6	-	<b>21166</b>	
Pivoting nut	M6	-	<b>64746</b>	Fitting on the framework of Spacial 6000 floor standing suitable enclosures and on technical vertical rails.
	M8	-	<b>64748</b>	
Serrated 1/4-turn sliding nut	M6	-	<b>64626</b>	Clippable on the technical vertical rails and on the serrated C profiles.
	M8	-	<b>64628</b>	
Standard 1/4-turn sliding nut	M6	-	<b>64636</b>	Clippable on the technical vertical rails and on the serrated C profiles.
	M8	-	<b>64638</b>	
1/4-turn sliding nut	M3 and M4	-	<b>64643</b>	Clippable on combined profiles.
	M5 and M6	-	<b>64645</b>	
Clip-nut	M4	-	<b>64646</b>	Clippable on combined profiles and on symmetrical cross rails.
	M5	-	<b>64647</b>	
	M6	-	<b>64648</b>	
1/4-turn sliding nut	M4	-	<b>21134</b>	Fitting on asymmetrical cross rails.
	M5	-	<b>21135</b>	
	M6	-	<b>21136</b>	
Flat nut	M6	-	<b>21064</b>	Fitting on standard vertical rails.
	M8	-	<b>21063</b>	
Slotted hexagonal head screw with captive washer	M4	10	<b>21090</b>	Nut ref. <b>21124</b> .
	M4	16	<b>21091</b>	
	M5	12	<b>21092</b>	Nut ref. <b>21125</b> .
	M5	18	<b>21093</b>	
	M6	12	<b>21094</b>	Nut ref. <b>21126</b> .
	M6	18	<b>21095</b>	
Self-tapping hexagonal head screw	M4.8	16	<b>21039</b>	For fitting equipment onto the plain chassis.
	M6.3	16	<b>21038</b>	For fitting equipment onto the door reinforcement frame of floor standing monobloc enclosures and suitable enclosures.
Insulated head screw	M5	10	<b>55901</b>	To comply with electrical insulation.

### Cabling accessories

#### Cable duct with cover



Reference	Dimensions (mm)		Maximum capacity: number of flexible wires	Packaging
	Width	Height		
55905	25	25	25	48
55906	25	50	65	48
55907	37,5	50	110	24
55908	37,5	75	160	24
55909	50	50	160	24
55910	50	75	240	24
55915	75	25	110	24
55911	75	50	250	24
55912	75	75	400	12
55913	100	75	550	12
55914	125	75	700	48

- Material: Rigid PVC with side opening slots and perforations on the back; supplied in 2 m linear lengths.
- RAL 7030 gray color.
- Conforms to VDE 0660/506, DIN 43659 standards.
- Temperature resistance: -5°...+60 °C
- Fire behavior: V0 material in ...compliance with UL 94.
- Glow-wire resistance: 960° C according to EN 60695-2-1/1.
- Maximum flexible wire capacity - H07.V.K 1.5 mm<sup>2</sup> (load factor 0.6); see table above.
- Continuity of the vertical plane with the 15 mm deep profiles and the perforated chassis.

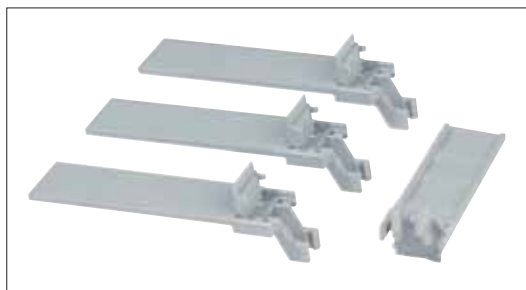
#### Duct cover



Reference	For duct width (mm)
55920	25
55921	37,5
55922	50
55923	75
55924	100
55925	125

- Separate covers for replacement.
- Supplied in 2 meter lengths.

#### Retention bars



Reference	Description
55916	Retention bars

- Fixed between 2 duct lamellas using a folding lock, they prevent the cables from falling.
- Their length can be cut to adapt to the width of the duct.
- Material: impact and flame resistant polystyrene.
- Lot of 4 parts.

### Fixing accessories

#### By screwing, insulated head screw



Reference	Description
55901	insulated head screw M5 × 10

Lot of 100 parts

- M5 × 10 mm slotted hexagonal head screw.
- Compliance with electrical insulation.

#### By clipping, plastic foot



Reference	Description
55902	plastic foot

Lot of 20 parts

- Clippable on a perforated plate or on a 35 mm profile.
- Comprises a lock which fixes the ducts via the 6.5 × 14 mm perforations created in the back.
- The 2 functions, clipping and locking, enable great time savings.
- Material: black polyamide. Fire behavior: V0 in compliance with UL 94.
- Compliance with electrical insulation.

#### On the door, Ø 22 mm duct support



Reference	Description
55903	Ø 22 mm duct support

Lot of 10 parts

- Fitted on the door of the wallmounting or floor standing monobloc enclosure along with the Ø 22 mm products.
- Material: treated steel.

#### On technical vertical rail, duct support



Ref.	Description
55904	duct support

- Enables the fitting of ducts on the technical vertical rails, whilst increasing the useful surface of the equipment (up to 20% depending on the width of the duct).
- Material: treated steel.

### Marking accessories

#### Legend-holder



Ref.	Description
55900	Legend-holder

Lot of 50 parts

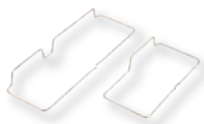
- In transparent plastic, clippable on the wings of the ducts.
- Paper labels supplied.
- Material: polycarbonate.



Fittings on upright Ref. 11278/11275/11276/11277

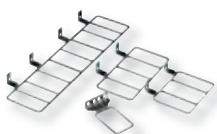
Reference	Dimensions (mm)
11275	40 × 60
11276	40 × 100
11277	100 × 100

Ref. intermediate cable-guide support Ref. 11278 for assembly on framework



Metal cable guides

Reference	Dimensions (mm)
11279	100 × 200
11280	100 × 300



Vertical 19" cable guides



Ref. 21452



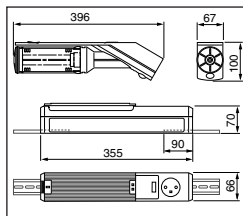
Ref. 21420



Ref. 21421



Ref. 21422



## Guides and fittings on uprights

- Fitting on:
  - 19" uprights (side section),
  - all the cable support cross rails,
  - at the back of the 19" shelves,
  - on the framework uprights, using the intermediate support ref. 11278,
  - plastic material, RAL 7035 gray color,
  - lot of 10 (guides and support).

## Metal cable guides

- Ø 5 mm steel rod.
- Supplied with the fittings (screw, nut, zamak support).
- Installation on the 19" chassis.
- Lot of 4 parts.

## Vertical 19" cable guides

### Fixing on the 19" chassis

- Cable guide ref. 66053 also fixes onto the framework of the Spacial 6000 floor standing suitable enclosure.
- Material: nickel steel.
- By unit.

Cable guide reference	No. U	Depth (mm)
66050	9	120
66051	4,5	120
66052	3	120
66053	1,5	106

## Lighting accessories

### Extra flat lighting

Reference	Type
21452	without socket
21449	UTE (16 A)

- Electronic ignition.
- UL (U194V-0).
- IP20 - class 1.
- 11 W - 900 Lumens.
- Magnetic fixing possible.

- The door lighting is available in three versions:
  - with movement detector,
  - with Start/Stop switch,
  - portable inspection lamp with simple holder,
  - Low consumption light source: E27 socket, 20 W, 220-240 V / 50-60 Hz.
  - Screw-in or magnetic fixing (sensor and switch), adhesive fixing (portable inspection lamp).
  - Supplied with a power cable, with a plug and socket (portable inspection lamp version) or with a 2.5 mm<sup>2</sup> screw terminal power supply block (sensor and switch version).
  - Terminal connection block for series connection of a door switch and a lamp (ref. 21420 and 21421).
  - Degree of protection: IP20.
  - Insulation class II.
  - Conforms to EN 55014 and EN 50082-1 standards.
  - Compact 11 W, 220 V / 50 Hz neon lamp, with switch and socket. Operates with a door switch ref. 64682.
  - Quick fit by magnetic plate or fixing on DIN rail.
  - Supplied with window protection.
  - Spare bulb ref. 21409 for references 21420, 21421 and 21422.

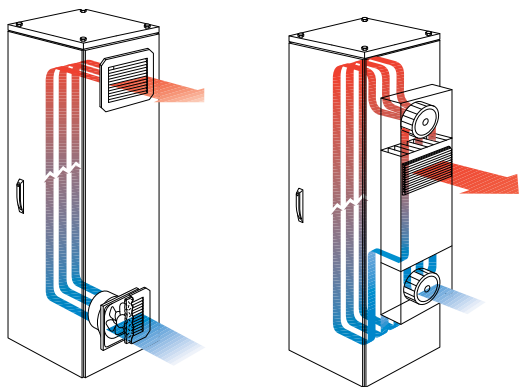
### Accessories

- Separate power cable ref. 21423 for references 21420 and 21421.
- Clippable power socket on the 35 mm profile.
- Spare bulb ref. 21409 for references 21420, 21421 and 21422.

Reference	Description
21420	Lighting with sensor
21421	Lighting with switch
21422	Portable lamp
21423	Power cable
21419	UTE power socket
21460	VDE power socket
21461	IMQ power socket
21409	Spare bulb

Notes

# Technical Appendices



### Topic 1: What is thermal management?

Thermal management is a range of solutions which enable ventilation, aeration, cooling and heating of an enclosure. To establish the solution that suits you best, you need to do a thermal study report.



### Topic 2: What is a thermal study report?

A thermal study report is an analysis of your requirements dependent on:

- the environment you put your enclosures into,
- the products you use,
- your temperature control requirements.



### Topic 3: What is the aim of a thermal study report?

A thermal study report will enable you to establish what you need to do to avoid breakdowns in your plant, according to the components referred to above.



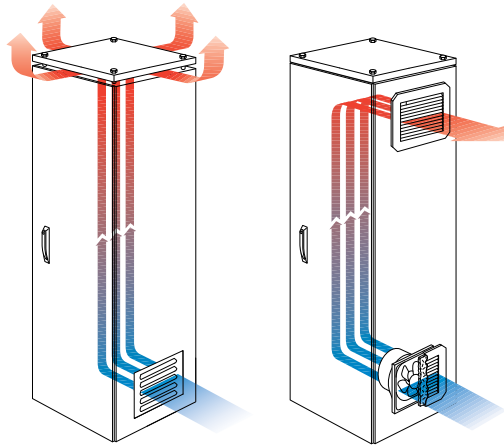
### Topic 4: What are the issues?

**Avoiding breakdowns:**

Electrical components work properly up to 35 °C, and electromechanical components up to 50 °C. You must therefore plan a thermal study report to establish which thermal accessory to use.

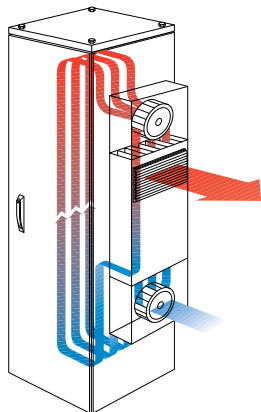
**Avoiding the deterioration of components:**

The enclosure protects the components from mechanical impacts, dust and water and oil sprays, but when the temperature rises, this puts the installations under heavy stress.

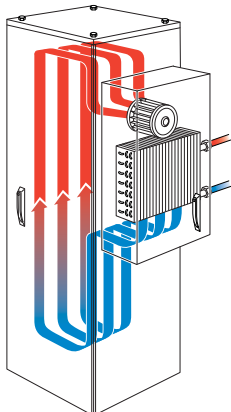


Aeration

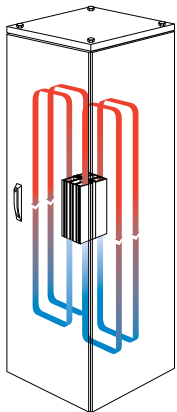
Ventilation



Air-air cooling



Air-water cooling



Resistance heaters



Requirements	Solution	Pages	Advantages of the solution	Constraints of the solution
Cool	Install circulation fans	103 to 104	<input type="checkbox"/> Very economical, <input type="checkbox"/> No maintenance, <input type="checkbox"/> Easy to implement, <input type="checkbox"/> IP preserved.	<input type="checkbox"/> Small quantity of exhaust heat.
	Oversize the enclosure		<input type="checkbox"/> Economical, <input type="checkbox"/> No maintenance, <input type="checkbox"/> Easy to implement, <input type="checkbox"/> IP preserved.	<input type="checkbox"/> Small quantity of exhaust heat, <input type="checkbox"/> More space required.
	Install ventilation louvers	102	<input type="checkbox"/> Very economical, <input type="checkbox"/> No maintenance, <input type="checkbox"/> Easy to implement.	<input type="checkbox"/> Small quantity of exhaust heat, <input type="checkbox"/> Deterioration of the IP (dust).
	Install fresh air intake fans	103 to 104	<input type="checkbox"/> Economical, <input type="checkbox"/> Easy to implement, <input type="checkbox"/> Large quantity of exhaust heat, <input type="checkbox"/> Possible temperature control.	<input type="checkbox"/> Regular filter maintenance essential.
	Install an air-air exchanger	107	<input type="checkbox"/> Easy to implement, <input type="checkbox"/> IP preserved at installation, <input type="checkbox"/> Series temperature control, <input type="checkbox"/> Easy maintenance.	<input type="checkbox"/> Regular filter maintenance essential.
	Install a cooling unit	108	<input type="checkbox"/> Easy to implement, <input type="checkbox"/> Discharges a large quantity of heat (even if the ambient temperature is high), <input type="checkbox"/> IP preserved, <input type="checkbox"/> Series temperature control.	<input type="checkbox"/> Regular filter maintenance essential, <input type="checkbox"/> Cannot be used above an ambient temperature of 55° C.
Heat	Install an air-water exchanger	107	<input type="checkbox"/> Easy to implement, <input type="checkbox"/> Discharges a large quantity of heat (even if the ambient temperature is high), <input type="checkbox"/> IP preserved, <input type="checkbox"/> Series temperature control, <input type="checkbox"/> No filter to be maintained.	<input type="checkbox"/> Needs a water circuit, <input type="checkbox"/> Significant consumption if using a municipal water supply.
	Install a resistance heater	105	<input type="checkbox"/> Economical, <input type="checkbox"/> Series temperature control.	<input type="checkbox"/> Energy consumption, <input type="checkbox"/> Reduction of useful space.
	Install a resistance heater (keeping the temperature above the dew point)	105	<input type="checkbox"/> Economical, <input type="checkbox"/> Reduction of humidity in the floor standing monobloc enclosure.	<input type="checkbox"/> Energy consumption, <input type="checkbox"/> Reduction of useful space.

## Theoretical calculation

### Selection guide for fans

We have simulated three situations which are most commonly encountered. You have two possibilities:

- Follow the 3 steps to establish the solution that suits you manually.
- Choose the solution directly and quickly, according to the dissipated power and the dimensions of the enclosure, following the color coding in the tables on the opposite page.



### The three steps to establish the solution

**Step 1: calculation of the temperature without a thermal accessory:**

$$T_i = T_e + ( P_d / S . K )$$

Ti: internal temperature

**Step 2: calculation of the power needed:  $P_{sys} = P_d - [ K . S . ( T_s - T_e ) ]$  in W**

■ Pd = power dissipated by the components

■ K = heat transfer coefficient:

□ sheet steel K = 5.5

□ polyester K = 3.5

■ S = Exchange surface with the air:

□ Ts = required inside temperature

□ Te = ambient outside temperature

**Step 3: calculation of the air flow rate needed:  $Flow\ rate = f . P_{syst} / ( T_s - T_e )$  in m<sup>3</sup> / hr**

■ f = coefficient linked to the altitude of the location:

□ altitude 0 to 100 m, f = 3.1

□ altitude 250 to 500 m, f = 3.3

□ altitude 750 to 1000 m, f = 3.5

*Example:*

*Starting hypotheses*

*Product: sheet steel wallmounting enclosure (hence K = 5.5)*

*Dimensions (mm): 800 × 600 × 300*

*Sealing: IP66*

*Location: fixed against a wall*

*Altitude = 50 m (hence f = 3.1)*

$$S = 1.36\ m^2$$

$$K = 5.5$$

$$f = 3.1$$

$$T_s = 35\ ^\circ C$$

$$T_e = 30\ ^\circ C$$

$$P_d = 200\ W$$

**Step 1: calculation of the temperature without a thermal accessory**

$$T_i = T_e + ( P_d / S . K ) = 30 + ( 200 / 1.36 . 5.5 ) = 56\ ^\circ C$$

**Step 2: calculation of the system power needed to reach Ts = 35°C**

$$P_{sys} = P_d - [ K . S . ( T_s - T_e ) ] = 200 - [ 5.5 . 1.36 ( 35 - 30 ) ] = 162.6\ W$$

**Step 3: calculation of the air flow rate needed**

$$Flow\ rate = f . P_{syst} / ( T_s - T_e )\ in\ m^3 / hr = 3.1 .$$

*Choice will be of a fan Ref. 87902 along with a grill Ref. 87912; the whole unit gives a flow rate of 153 m<sup>3</sup>/hr, see pages 103 to 104.*



Pre-calculated solutions

Case No. 1

Sheet steel wallmounting enclosure

Starting hypotheses

- Product: coated sheet steel wallmounting enclosure (hence  $K = 5.5 \text{ W / m}^2 / \text{ }^\circ\text{C}$ ).
- Sealing: min. IP54.
- Dimensions: see table.
- Location: with its back to a wall.
- External temperature:  $T_e = 30 \text{ }^\circ\text{C}$  ( $\Delta T^\circ = 5$ ).
- Required internal temperature:  $T_s = 35 \text{ }^\circ\text{C}$  ( $\Delta T^\circ = 5$ ).

Example:  
 $P = 100 \text{ W}$   
 Wallmounting enclosure =  
 $600 \times 400 \times 250 \text{ mm}$

Results:  
 fan ref. **87901** +  
 grill ref. **87911**

Dissipated power (W)	Dimensions of the floor standing monobloc enclosure H x W x D (mm)						flow rate with 1 outlet grill m <sup>3</sup> /hr	Fan reference	Grill	Cut (mm)
	400 300 200	500 400 250	600 400 250	800 600 300	1000 800 300	1200 1000 300				
50										
75										
100			▲							
150										
200										
250										
300										
400										
500										
							25	<b>87900</b>	<b>87910</b>	92x92
							63	<b>87901</b>	<b>87911</b>	125x125
							153	<b>87902</b>	<b>87912</b>	223x223
							260	<b>87903</b>		
							473	<b>87904</b>	<b>87913</b>	291x291
							718	<b>87905</b>		
							798	<b>87909</b>		
							no solution *			

\* very high power for small wallmounting enclosure

Case No. 2

Sheet steel floor standing monobloc enclosure

Starting hypotheses

- Product: coated sheet steel floor standing monobloc enclosure (hence  $K = 5.5 \text{ W / m}^2 / \text{ }^\circ\text{C}$ ).
- Sealing: min. IP54.
- Dimensions: see table.
- Location: with its back to a wall.
- External temperature:  $T_e = 30 \text{ }^\circ\text{C}$  ( $\Delta T^\circ = 5$ ).
- Required internal temperature:  $T_s = 35 \text{ }^\circ\text{C}$  ( $\Delta T^\circ = 5$ ).

Dissipated power (W)	Dimensions of the floor standing monobloc enclosure H x W x D (mm)						flow rate with 1 outlet grill m <sup>3</sup> /hr	Fan reference	Grill ref.	Cut (mm)
	1400 800 400	1600 800 400	1800 800 400	1800 1200 400	2000 800 500	2000 1200 500				
100										
200										
400										
600										
800										
1000										
1200										
1400										
1600										
							25	<b>87900</b>	<b>87910</b>	92x92
							63	<b>87901</b>	<b>87911</b>	125x125
							153	<b>87902</b>	<b>87912</b>	223x223
							260	<b>87903</b>		
							473	<b>87904</b>	<b>87913</b>	291x291
							718	<b>87905</b>		
							798	<b>87909</b>		
							no solution *			

\* very high power for small wallmounting enclosures

Case No. 3

Polyester floor standing monobloc enclosure

Starting hypotheses

- Product: polyester floor standing monobloc enclosure (hence  $K = 3.5 \text{ W / m}^2 / \text{ }^\circ\text{C}$ ).
- Sealing: min. IP54.
- Dimensions: see table.
- Location: on the floor accessible from all sides and protected from solar radiation.
- External temperature:  $T_e = 30 \text{ }^\circ\text{C}$  ( $\Delta T^\circ = 5$ ).
- Required internal temperature:  $T_s = 35 \text{ }^\circ\text{C}$  ( $\Delta T^\circ = 5$ ).

Dissipated power (W)	Dimensions of the floor standing monobloc enclosure H x W x D (mm)						flow rate with 1 outlet grill m <sup>3</sup> /hr	Fan reference	Grill ref.	Cut (mm)
	750 500 320	1000 750 320	1250 750 420	1250 1250 420	1500 750 420	1500 1200 420				
50										
75										
100										
150										
200										
250										
300										
400										
500										
800										
1000										
1500										
							25	<b>87900</b>	<b>87910</b>	92x92
							63	<b>87901</b>	<b>87911</b>	125x125
							153	<b>87902</b>	<b>87912</b>	223x223
							260	<b>87903</b>		
							473	<b>87904</b>	<b>87913</b>	291x291
							718	<b>87905</b>		
							798	<b>87909</b>		

### New PROclima software 4.0



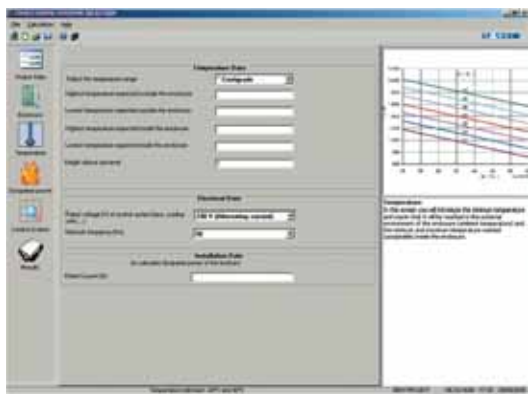
Software for calculating and selecting the thermal accessories needed for enclosures containing electrical or electronic equipment.

- Makes the calculations shown on pages 118 to 119, along with the corrected areas, depending on the dimensions of the enclosure and its position with respect to the walls.
- Available in CD-ROM format, in four languages: French, English, German and Dutch.
- Minimum configuration needed: compatible computer IBM PC 486 SX 33 MHz, with 8 MB of random access memory (RAM), a hard disk with 10 MB of free space, a CD-ROM drive, a monitor and a VGA graphics card (640 × 480 points).
- Recommended configuration: compatible computer IBM PC 486 SX 90 MHz, with 16 MB of random access memory (RAM), a hard disk with 10 MB of free space, a CD-ROM drive, a monitor and an SVGA graphics card (800 × 600 points).
- Operating system: Microsoft DOS version 5.0 or higher, Microsoft Windows version 3.1 or higher, Microsoft Windows NT version 3.51.944 or higher.
- Software can be downloaded from [www.sarelenclosures.com/services/outils.php](http://www.sarelenclosures.com/services/outils.php), or is available from our local SAREL agency ref. **99333**.

Reference	Description
99333	PROclima Software Version 4.0



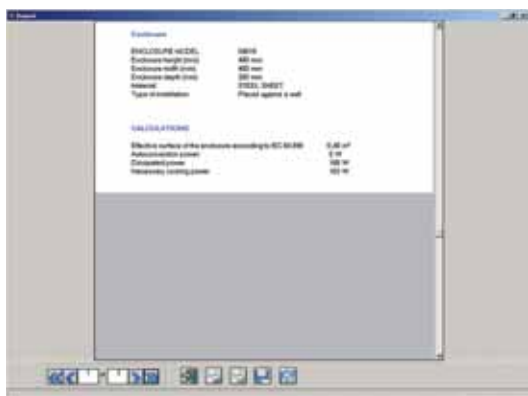
Entry of electrical data for the installation



Entry of internal and external temperature data for the enclosure



Select the thermal management system (fans, exchangers, etc.)



View and print the project overview.

The advantage:

SAREL commits to the IPs after the IK test

- The degrees of protection provided by low and medium voltage electrical equipment enclosures (up to 1000 V ~ and 1500 V =) are defined by the IEC or EN 60529 (IP) and IEC or EN 62262 (IK) standards.
- To indicate the degrees of protection:
  - The IP code is used. The figures indicate the degree of protection provided by the enclosure against access to the dangerous parts and ingress of solid bodies (1<sup>st</sup> figure), and against ingress of liquids (2<sup>nd</sup> figure),
  - The IK code is used followed by 2 figures, indicating the degree of protection provided by the enclosure against external mechanical impacts.

IP		IK	
First figure	Second figure	Mechanical protection	
Protection against solid bodies	Protection against liquids		
0	No protection	0	No protection
1	Protected against solid bodies larger than 50 mm (e.g. : accidental hand contact)	1	Protected against water droplets falling vertically (condensation)
2	Protected against solid bodies larger than 12 mm (e.g. : finger)	2	Protected against water droplets falling up to 15° from the vertical
3	Protected against solid bodies larger than 2.5 mm (tools, wires)	3	Protected against rainfall up to 60° from the vertical
4	Protected against solid bodies larger than 1 mm (fine tools, small wires)	4	Protected against water spray from any direction
5	Protected against dust (no harmful deposits)	5	Protected against water jets sprayed from any direction
6	Fully dust-tight	6	Protected against water spray similar to waves
		7	Protected against the effects of immersion
		8	Protected against the effects of prolonged immersion under pressure
		0	200 g
		01	200 g
		02	200 g
		03	200 g
		04	200 g
		05	200 g
		06	500 g
		07	500 g
		08	1.7 kg
		09	5 kg
		10	5 kg

Boxes

Wallmounting enclosures

Floor standing monobloc enclosures

Floor standing suitable enclosures

Thermal packaging of electrical panels

Technical appendices



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