



ARGENTA PLUS

IP55-IP65 Steel floor-standing cabinets

The Floor-Standing Cabinets of the ARGENTA PLUS series are a set of industrial steel enclosures designed to contain any type of electrical device and equipment necessary for the supply, distribution and conversion of electricity, and are suitable for control and automation equipment for industrial plants and machine tools.

This range of cabinets has been designed for maximum versatility so that the installer can create their own arrangements depending on their needs. It is highly functional thanks to the different possibilities for joining cabinets together, the possibility of installing any type of electrical device and the comprehensive range of accessories available for this series.

Intended for the most professional sector, the range is available in three versions: combinable, semi-compact and compact.



COMPACT (BIG) Technical Specifications

- **Degree of protection:**
 - Single-door cabinets: IP65 / NEMA 1, 12, 4.
 - Double-door cabinets: IP55 / NEMA 1, 12.
- **Resistance to impact:**
 - Body and opaque doors: IK10.
- **Ambient temperature range:** -25 °C / +40 °C.
- **Maximum temperature for sealing gasket:** 80 °C.
- **Maximum temperature for polyester paint:** 125 °C.

IP55-IP65 Floor-standing cabinets Certifications

Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1 (as applicable).
UL508A and Gost-R certificates (for ENL and FSC cabinets).

ARGENTA PLUS COMPACT (BIG)

IP55-IP65 steel floor-standing compact cabinets



Product series (Rolled steel)

Standard:

- Opaque door cabinets with mounting plate.
- Single door up to width of 1000 mm.
- Double door as of width of 1000 mm.
- Height: 1650 - 1800 - 2000 mm.
- Width: 600 - 800 - 1000 - 1200 mm.
- Depth: 400 - 500 mm.

To order:

- Special cabinets, dimensions, cut-outs, colours, etc.

Supply

- Supplied on pallets, protected with honeycomb cardboard corner pieces and shrink-wrap film.
- The plate is supplied assembled.
- Key.
- Assembly instructions.

Compact and robust with a body that delivers greater rigidity and maximum flexibility

Material

- Cold-rolled steel EN 10130+A1.
- Injected polyurethane sealing gasket.

Finish

- Coated with hardened RAL 7035 embossed polyester paint, 80-120 µ, with UV protection.

Protection

- Corrosion resistance according to the UNE-EN 62208 standard. For outdoor installations, the effect of the corrosion must be taken into consideration.

Standard painting cycle

- **Degreasing:** Removal of remains of contaminants by means of a neutral stripper and tensoactive concentrate.
- **Rinsing:** Two rinses, the first one with mains water and the second one with demineralised water.
- **Passivation:** Thin-coat conversion agent.
- **Drying:** With hot air (in a tunnel at 100 °C).
- **Painting:** Coated with hardened RAL 7035 polyester paint, thickness between 80-120 microns.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



Body

- Single-piece cabinet body with detachable rear panel. Manufactured in 1.5-mm thick sheet with sealing gasket to guarantee IP protection.
- Four profiles fitted on the corners attached to the enclosure by nut bolts afford the cabinet excellent robustness.

Cable entry

- Cable entry covered by detachable and exchangeable plates made of 1.2-mm thick galvanised steel.
- Covers of 100 mm and 200 mm depending on cabinet depth.

Insulation kit

- The 48690 insulation kit should be ordered to achieve IP65 protection.

Door

- 2-mm-thick opaque door with 120° reversible opening.
- Four hidden and detachable hinges made of reinforced zamak.
- Double door as of width of 1000 mm:
Opaque door 1000 mm: PO500+PO500
Opaque door 1200 mm: PO600+PO600
- Sealing gasket to guarantee the IP protection.
- Reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.

Locks

- 4-Point ¼ turn lock, double-bit insert with retractable handle in RAL 7016 grey.
- Double door prepared for the installation of 2-point 1/4 turn interior double lock and double-bit exterior insert with handle, supplied as accessory.
- Other types of lock are also supplied as accessories.

Mounting plate

- Made from galvanised sheet steel with a thickness of 3 mm, reinforced with C-shaped folds.
- It includes the 4 depth-adjustable supports required for fitting.
- Plates supplied assembled in the cabinet.



ARGENTA PLUS COMPACT (BIG)

IP55-IP65 steel floor-standing compact cabinets

Single-door cabinets with mounting plate. Rolled steel. IP65* Compact

Reference No.	Dimensions (AXBXC)	Opaque door	Cable entry WIDTH X DEPTH	Weight KG	Power dissipation according to temperature increase °C P(W)***				
					20	25	30	35	40
BIG1656040PO	1650x600x400	PO	370x310	82.00	320.1	400.1	480.2	560.2	640.2
BIG1658040PO	1650x800x400	PO	570x310	103.63	383.2	479.1	574.9	670.7	766.5
BIG16510040PO	1650x1000x400	PO	770x310	133.00	446.4	558.0	669.6	781.2	892.8
BIG1806040PO	1800x600x400	PO	370x310	89.00	345.8	432.3	518.8	605.2	691.7
BIG1808040PO	1800x800x400	PO	570x310	120.00	413.6	517.0	620.4	723.8	827.2
BIG1808050PO	1800x800x500	PO	570x410	127.00	461.6	577.0	692.3	807.7	923.1
BIG18010040PO	1800x1000x400	PO	770x310	150.00	481.4	601.7	722.0	842.4	962.7
BIG18010050PO	1800x1000x500	PO	770x410	151.00	532.4	665.5	798.6	931.7	1064.8
BIG2006040PO	2000x600x400	PO	370x310	107.00	380.2	475.2	570.2	665.3	760.3
BIG2008040PO	2000x800x400	PO	570x310	131.00	454.1	567.6	681.1	794.6	908.2
BIG2008050PO	2000x800x500	PO	570x410	165.00	506.0	632.5	759.0	885.5	1012.0
BIG20010040PO	2000x1000x400	PO	770x310	174.00	528.0	660.0	792.0	924.0	1056.0
BIG20010050PO	2000x1000x500	PO	770x410	168.00	583.0	728.8	874.5	1020.3	1166.0

Double-door cabinets with mounting plate. Rolled steel. IP55** Compact

Reference No.	Dimensions (AXBXC)	Opaque door	Cable entry WIDTH X DEPTH	Weight KG	Power dissipation according to temperature increase °C P(W)***				
					20	25	30	35	40
BIG16510040POD	1650x1000x400	PO	770x310	138.00	446.4	558.0	669.6	781.2	892.8
BIG16512040POD	1650x1200x400	PO	970x310	157.00	509.5	636.9	764.3	891.7	1019.0
BIG18010040POD	1800x1000x400	PO	770x310	148.00	481.4	601.7	722.0	842.4	962.7
BIG18010050POD	1800x1000x500	PO	770x410	157.00	532.4	665.5	798.6	931.7	1064.8
BIG18012040POD	1800x1200x400	PO	970x310	157.27	549.1	686.4	823.7	961.0	1098.2
BIG18012050POD	1800x1200x500	PO	970x410	178.00	603.2	754.1	904.9	1055.7	1206.5
BIG20010040POD	2000x1000x400	PO	770x310	163.00	528.0	660.0	792.0	924.0	1056.0
BIG20010050POD	2000x1000x500	PO	770x410	206.00	583.0	728.8	874.5	1020.3	1166.0
BIG20012040POD	2000x1200x400	PO	970x310	184.00	601.9	752.4	902.9	1053.4	1203.8
BIG20012050POD	2000x1200x500	PO	970x410	194.00	660.0	825.0	990.0	1155.0	1320.0

Single-door cabinets: IP65 / NEMA 1,12, 4.

Double-door cabinets: IP55 / NEMA 1,12.

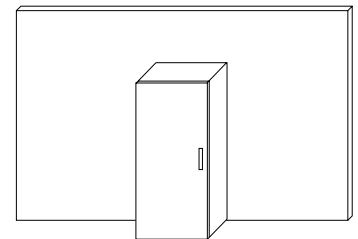
RAL 7035 rolled steel.

Supplied with mounting plate. Cable-gland lid included.

* The 48690 insulation kit should be ordered to achieve IP65 protection.

** An interior double lock is needed to achieve IP55 protection.
(A=1650 Ref.: 48483; A= 1800 Ref.: 48484; A=2000 Ref.: 48485).

*** Calculations obtained according to the CEI 890:1997 standard + Corrigendum 1998; "Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear"



Insulation kit



Reference No. Description

48690 IP65 Insulation kit

Needed to achieve IP65 protection in BIG-type compact cabinets.

Maximum acceptable loads

Maximum load declared according to the number of lifting eyebolts and the angle of the chain:

4 EYEBOLTS		2 EYEBOLTS	
$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$	$\beta \leq 90^\circ$	$90^\circ < \beta \leq 120^\circ$
1250 Kg	720 Kg	625 Kg	360 Kg

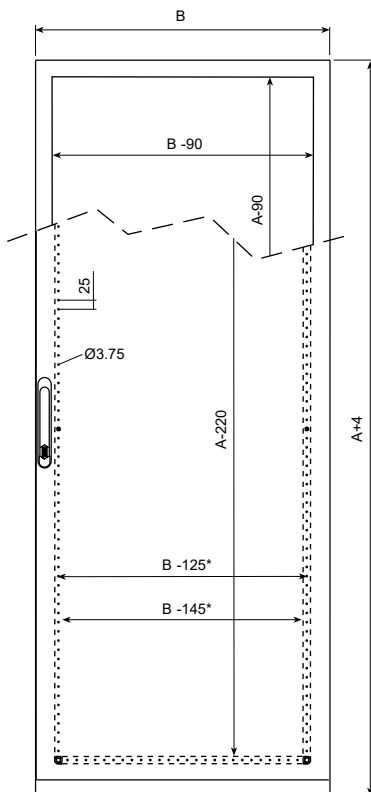
It is not recommended to lift the cabinet when the angle between chains is greater than 120° .
The weight must be evenly distributed.



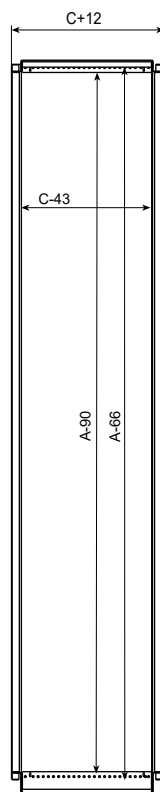
Dimensions: Argenta Plus compact

Single door

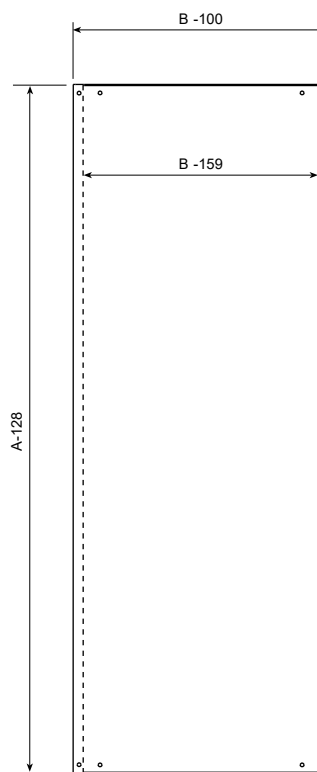
Front



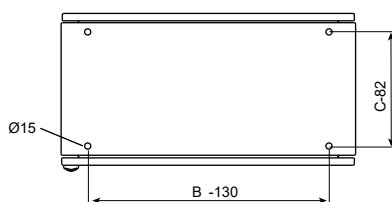
Side section



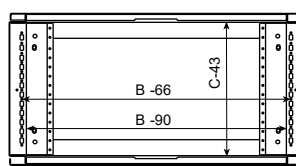
Mounting plate



Ground plan



Ground plan section



* For B=600 change to B-150
B-170

ARGENTA PLUS COMPACT (BIG)

IP55-IP65 steel floor-standing compact cabinets



Single-door compact cabinet

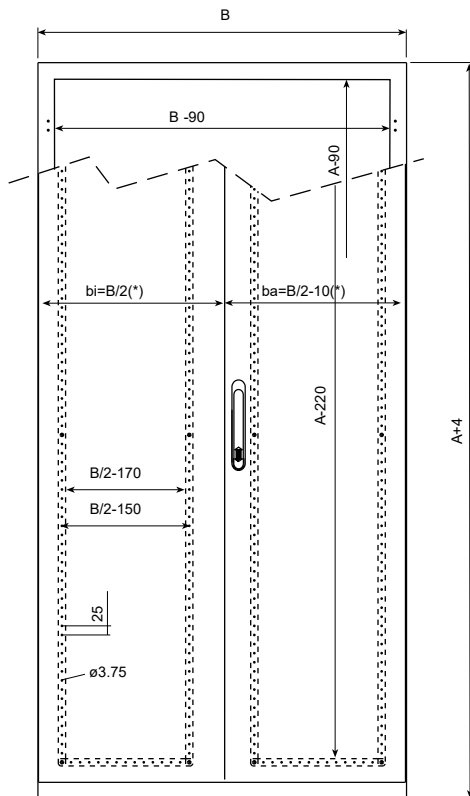


Double-door compact cabinet

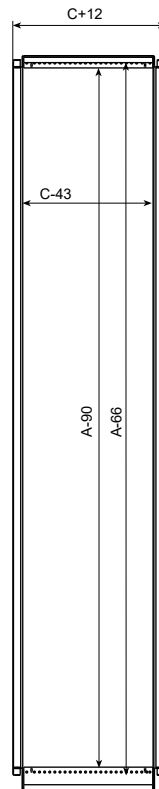
Dimensions: Argenta Plus compact

Double door

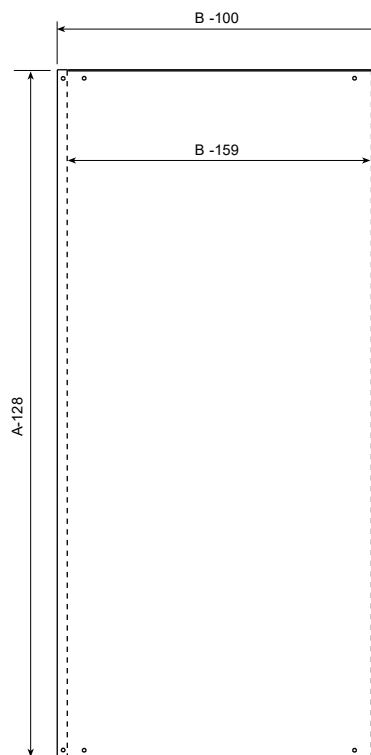
Front



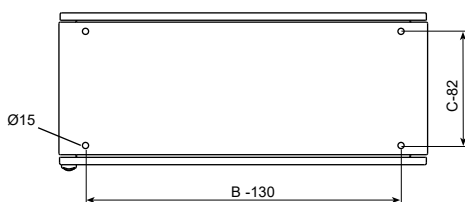
Side section



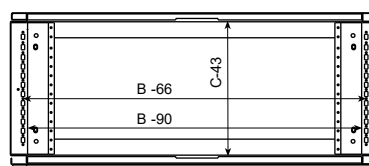
Mounting plate



Ground plan



Ground plan section



(*) For asymmetrical doors, B=1000, bi=400, ba=590
B=1200, bi=400, ba=790