

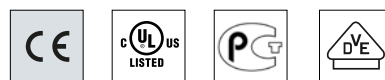


# ARGENTA PLUS

## 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.



### **SEMI-COMPACT (FSC) Technical Specifications**

- **Degree of protection:**  
Single-door cabinets: IP65\* / NEMA 1, 4, 12.  
Double-door cabinets: IP55 / NEMA 1, 12.
- **Resistance to impact:**  
Enclosure and opaque doors: IK10.  
Transparent doors: IK09.
- **Ambient temperature range:** -25 °C / +60 °C.  
(See references on page 124)  
\* With the 48690 insulation kit

### **Certification**

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  
VDE Certificate available for single-door cabinets.

# ARGENTA PLUS SEMI-COMPACT (FSC)

IP55-IP65 steel floor- standing semi-compact cabinets



\* Plinth supplied as accessory.

## Product series

- Opaque and transparent door cabinets without 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 - 1600 mm.
- Depth: 400 - 500 mm.

## Supply

Supplied on pallets, protected with honeycomb cardboard corner pieces and shrink-wrap film. The plate can be supplied assembled on request.

- 2 lifting eyebolts fitted.
- Key.
- Assembly instructions.

Professional solutions for projects in engineering, robotics, automation, etc.

## Material

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

## Finish

- Coated with primer, and hardened polyester RAL 7035 paint, embossed, 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).
- **Primer painting:** Application of a first layer of antioxidant protection primer paint.
- **First firing:** Furnace polymerisation adherence at 170 °C for 10 min.
- **Painting:** Coated with hardened RAL 7035 polyester paint.
- **Firing:** Furnace polymerisation adherence at 180 °C for 15-20 min.



## Enclosure

Single and symmetrical enclosure comprised of:

- Closed sides made of 1.5-mm thick sheet.
- Exterior profiles with a tubular structure that affords the unit great solidity.
- Metal parts welded internally to the cabinet structure to guarantee maximum rigidity and yield strength.
- Covered with 14x9 square cut-outs for caged nuts and round cut-outs with a diameter of 4.65 for machined screws. Distance between cut-outs is 25 mm.

## Rear panels

- Made from sheet with a thickness of 1.5 mm.
- Sealing gasket to guarantee IP55/IP65 protection.
- M6 countersunk screws for attachment.
- Reversible and replaceable with a door (as accessory).

## Top cover

- Made from sheet with a thickness of 1.5 mm.
- Sealing gasket to guarantee IP55/IP65 protection.
- M12 bolts for placement.
- Supplied with two lifting eyebolts fitted.
- Includes M8 bolts for earthing.

## Cable entry

- Cable entry covers with adjustable opening, manufactured in galvanised steel with a thickness of 1.2 mm.
- Covers of 100 mm and 200 mm depending on cabinet depth.
- Brush protection gasket (as accessory).

## Insulation kit

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

## Door

- Possibility of opaque or transparent door with 120° reversible opening.
- 2-mm thick opaque door.
- 4-mm thick tempered transparent glass door.
- 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.  
Transparent door 1000 mm: PT600+PO400.  
Transparent door 1200 mm: PT800+PO400.
- Sealing gasket to guarantee the IP protection.
- Reinforcement profiles with cut-out holes with separation of 25 mm for fitting accessories.
- Possibility of fitting an inside door in cabinets up to a width of 1000 mm (as accessory).

## Locks

- Single door: 4-point lock, double-bit insert with retractable handle in RAL 7016 grey.
- Double door: Double lock; Interior: 2-point ¼ turn. Exterior: double-bit insert with retractable handle in RAL 7016 grey.
- Other types of locks 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 for fitting
- Plates supplied as accessory.



# ARGENTA PLUS SEMI-COMPACT (FSC)

## IP55-IP65 steel floor- tanding semi-compact cabinets

### Single-door cabinets without mounting plate. Rolled steel. IP65\* semi-compact

Reference No.	Dimensions			Door		Cable entry	Glass door with transp. panel	Weight		Power dissipation according to temperature increase °C P(W)				
	A	B	C	OPAQUE	TRANS.			WIDTH X DEPTH	HEIGHT X WIDTH	PO	PT	20	25	30
FSC1656040PO/SP	1650	600	400	PO	PT	370x310	1436x430	79.0	75.8	320.1	400.1	480.2	560.2	640.2
FSC1658040PO/SP	1650	800	400	PO	PT	570x310	1436x630	92.4	89.4	383.2	479.1	574.9	670.7	766.5
FSC1658050PO/SP	1650	800	500	PO	PT	570x410	1436x630	98.9	95.8	428.2	535.3	642.3	749.4	856.5
FSC16510040PO/SP	1650	1000	400	PO	-	770x310	-	109.9	-	446.4	558.0	669.6	781.2	892.8
FSC16510050PO/SP	1650	1000	500	PO	-	770x410	-	117.0	-	494.5	618.1	741.7	865.3	988.9
FSC1806040PO/SP	1800	600	400	PO	PT	370x310	1586x430	84.3	80.5	345.8	432.3	518.8	605.2	691.7
FSC1808040PO/SP	1800	800	400	PO	PT	570x310	1586x630	98.6	94.5	413.6	517.0	620.4	723.8	827.2
FSC1808050PO/SP	1800	800	500	PO	PT	570x410	1586x630	107.1	101.3	461.6	577.0	692.3	807.7	923.1
FSC18010040PO/SP	1800	1000	400	PO	-	770x310	-	116.8	-	481.4	601.7	722.0	842.4	962.7
FSC18010050PO/SP	1800	1000	500	PO	-	770x410	-	123.6	-	532.4	665.5	798.6	931.7	1064.8
FSC2006040PO/SP	2000	600	400	PO	PT	370x310	1786x430	93.0	86.9	380.2	475.2	570.2	665.3	760.3
FSC2008040PO/SP	2000	800	400	PO	PT	570x310	1786x630	106.5	103.4	454.1	567.6	681.1	794.6	908.2
FSC2008050PO/SP	2000	800	500	PO	PT	570x410	1786x630	113.8	110.8	506.0	632.5	759.0	885.5	1012.0
FSC20010040PO/SP	2000	1000	400	PO	-	770x310	-	125.9	-	528.0	660.0	792.0	924.0	1056.0
FSC20010050PO/SP	2000	1000	500	PO	-	770x410	-	133.8	-	583.0	728.8	874.5	1020.3	1166.0

### Double-door cabinets without mounting plate. Rolled steel. IP55 semi-compact

Reference No.	Dimensions			Door		Cable entry	Glass door with transp. panel	Weight		Power dissipation according to temperature increase °C P(W)				
	A	B	C	OPAQUE	TRANS.			WIDTH X DEPTH	HEIGHT X WIDTH	PO	PT	20	25	30
FSC16510040PO/DC	1650	1000	400	PO	PT	770x310	1436x430	114.5	118.6	446.4	558.0	669.6	781.2	892.8
FSC16510050PO/DC	1650	1000	500	PO	PT	770x410	1436x430	121.5	125.7	494.5	618.1	741.7	865.3	988.9
FSC16512040PO/DC	1650	1200	400	PO	PT	970x310	1436x630	130.0	122.9	509.5	636.9	764.3	891.7	1019.0
FSC18010040PO/DC	1800	1000	400	PO	PT	770x310	1586x430	121.9	128.5	481.4	601.7	722.0	842.4	962.7
FSC18010050PO/DC	1800	1000	500	PO	PT	770x410	1586x430	128.7	135.3	532.4	665.5	798.6	931.7	1064.8
FSC18012040PO/DC	1800	1200	400	PO	PT	970x310	1586x630	138.5	145.4	549.1	686.4	823.7	961.0	1098.2
FSC18012050PO/DC	1800	1200	500	PO	PT	970x410	1586x630	146.3	153.3	603.2	754.1	904.9	1055.7	1206.5
FSC18016040PO/DC	1800	1600	400	PO	-	1370x310	-	174.6	-	684.6	855.8	1027.0	1198.1	1369.3
FSC18016050PO/DC	1800	1600	500	PO	-	1370x410	-	183.9	-	744.9	931.2	1117.4	1303.6	1489.8
FSC20010040PO/DC	2000	1000	400	PO	PT	770x310	1786x430	129.1	136.1	528.0	660.0	792.0	924.0	1056.0
FSC20010050PO/DC	2000	1000	500	PO	PT	770x410	1786x430	137.0	144.0	583.0	728.8	874.5	1020.3	1166.0
FSC20012040PO/DC	2000	1200	400	PO	PT	970x310	1786x630	149.1	158.9	601.9	752.4	902.9	1053.4	1203.8
FSC20012050PO/DC	2000	1200	500	PO	PT	970x410	1786x630	156.8	166.6	660.0	825.0	990.0	1155.0	1320.0
FSC20016040PO/DC	2000	1600	400	PO	-	1370x310	-	188.2	-	749.8	937.2	1124.6	1312.1	1499.5
FSC20016050PO/DC	2000	1600	500	PO	-	1370x410	-	197.6	-	814.0	1017.5	1221.0	1424.5	1628.0

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

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

Cold rolled steel primed and painted RAL 7035.

**Eyebolts and cable entry lids included. Supplied without mounting plate.**

**For cabinets with transparent door replace PO with PT. E.g: FSC18010040PT/SP.**

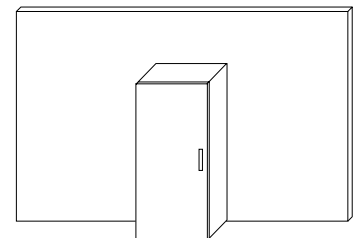
Asymmetrical transparent double doors:

Cabinets with a width of 1000: PT600 + PO400 / Cabinets with a width of 1200: PT800 + PO400.

For special cabinets, check availability of UL certifi ate.

VDE Certifi ate available for single-door cabinets.

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



## Insulation kit



### Reference No. Description

**48690** Insulation kit for cable entry lids

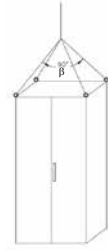
Needed to achieve IP65 protection in FSC-type semi-compact cabinets.

## Maximum lifting 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  $120^\circ$ . The weight must be evenly distributed.



Semi-compact  
opaque door cabinet



Semi-compact  
opaque double door cabinet



Semi-compact  
transparent door cabinet



Semi-compact  
transparent double door cabinet

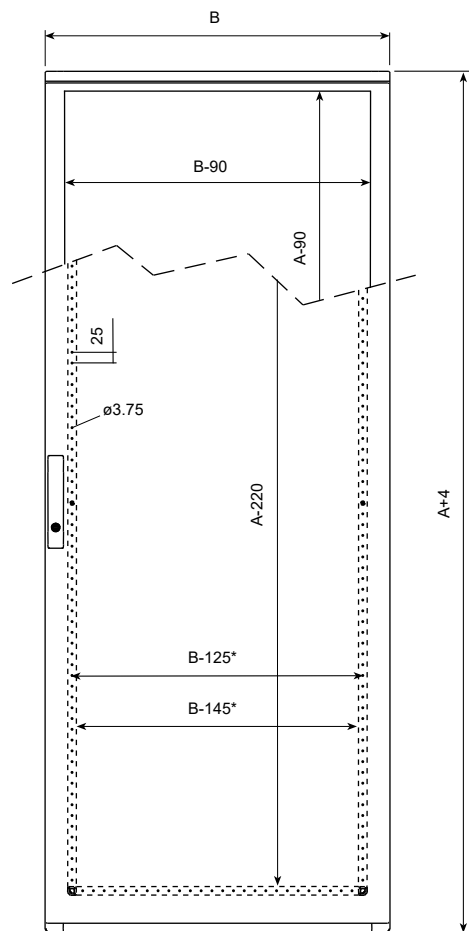
# ARGENTA PLUS SEMI-COMPACT (FSC)

IP55-IP65 steel floor- tanding semi-compact cabinets

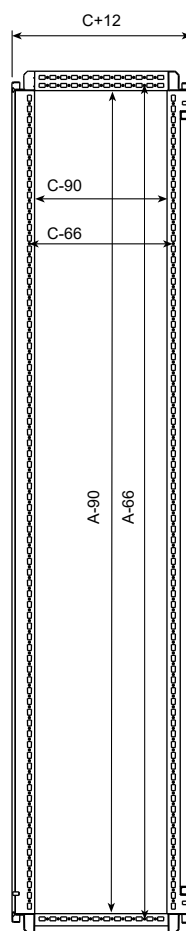
## Dimensions: Argenta Plus semi-compact

Single door

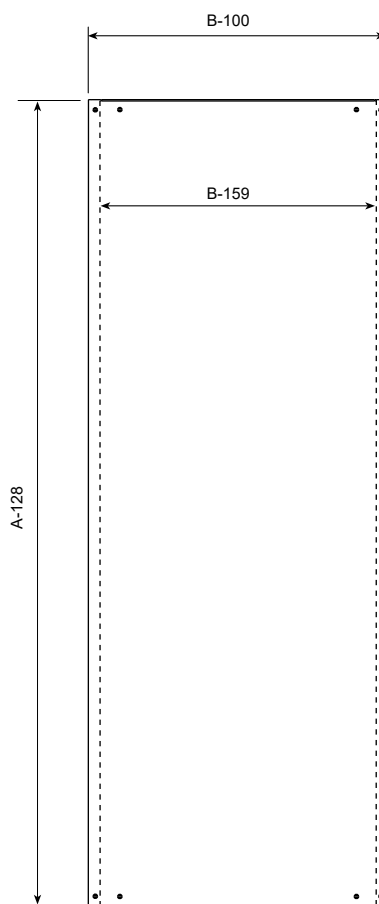
Front



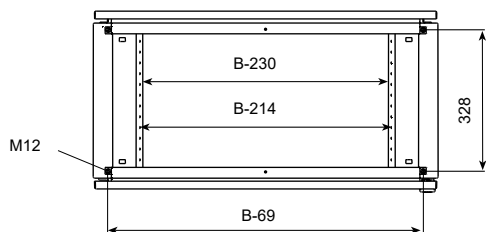
Side section



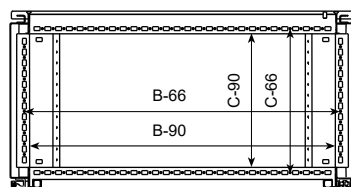
Mounting plate



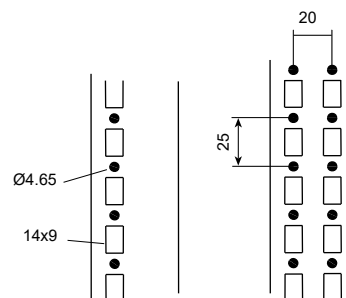
Ground plan



Ground plan section



Profile



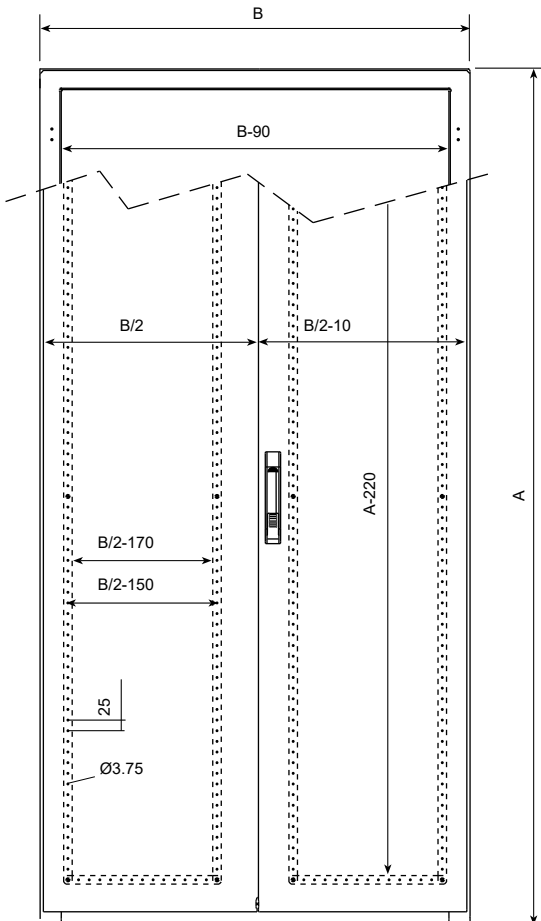
\* For B=600, change to B-150  
B-170



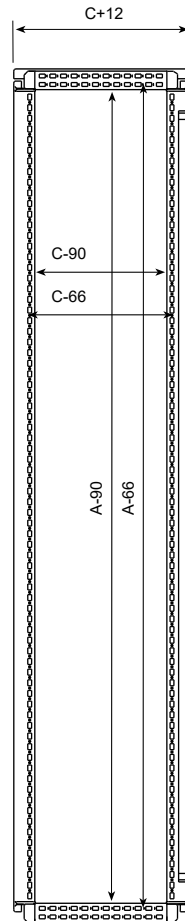
## Dimensions: Argenta Plus semi-compact

Double door

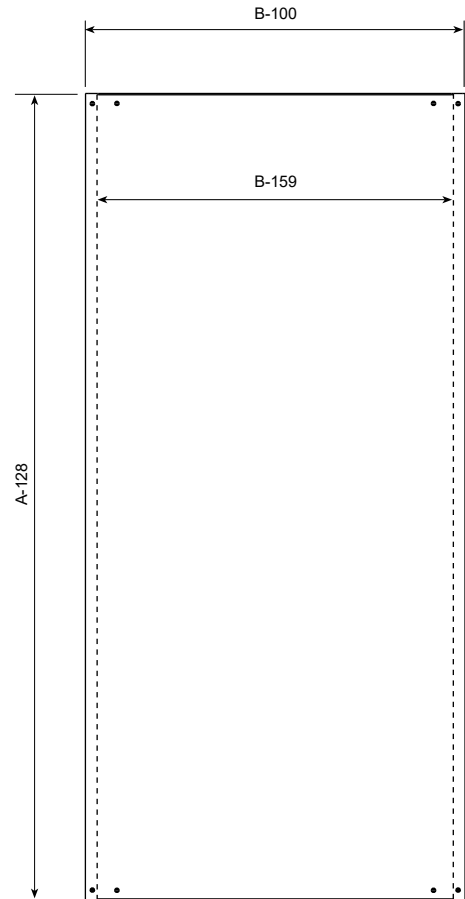
Front



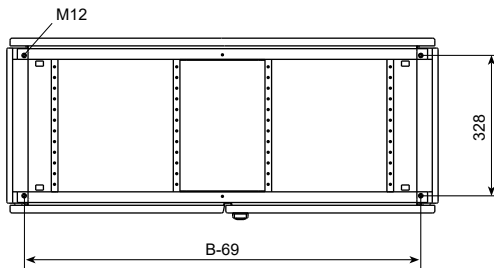
Side section



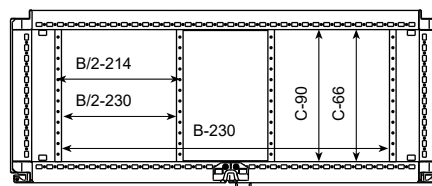
Mounting plate



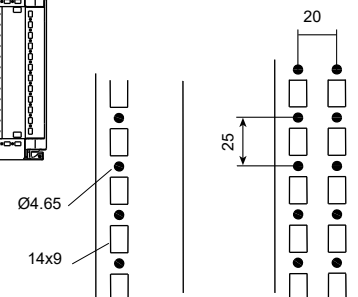
Ground plan



Ground plan section



Profile





## IDE ELECTRIC

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### Head office

Leonardo da Vinci 2  
Pol. Ind. Los Huertos  
E-50800 Zuera (Zaragoza)  
SPAIN

### Warehouse and logistics

Guttemberg 48  
Pol. Ind. Los Huertos  
E-50800 Zuera (Zaragoza)  
SPAIN

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**Phone:** +34 976 451 080

**E-mail:** [ide@ide.es](mailto:ide@ide.es)

**Web:** [www.ide.es](http://www.ide.es)

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