



*C.E.B. s.r.l. Costruzione Elettrotecnica Bresso*  
*vic. Leopardi, 6 - 20091 Bresso (MILANO)*  
*Tel. +39026101264 – +390266501086*  
*+390289056942 Fax +390266501631*  
*e-mail: [cebsrl@tin.it](mailto:cebsrl@tin.it); [cebsrl@fastwebnet.it](mailto:cebsrl@fastwebnet.it)*  
[www.cebsrl.net](http://www.cebsrl.net)

## **SUMMARY**

- **FIELD or YARD SWITCHBOARD**
- **48V ac SAFETY TRASFORMER FIELD or YARD SWITCHBOARD**
- **ELECTRICAL PANELS, AUTOMATION PANELS, MCCs, SWITCHBOARDS**
- **EQUIPPED CONTAINERS for logistic and auxiliary services, Special Fittings  
POWER GENERATOR CONTAINERS**
- **AISI 316 CABLE TRAY or CABLE LADDER**
- **STANDARD ENCLOSURES  
SPECIAL ENCLOSURES**
- **NAVAL SYSTEMS and PLANTS**
- **MAINTENANCE PLAN (TOTAL DESIGN AND PLAN)**

***FIELD or YARD SWITCHBOARD***



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## ***C.E.B. FIELD or YARD SWITCHBOARD***

C.E.B. s.r.l has designed and built a new kind of field switchboards.

This new kind of swbd is composed by RAL7032 epoxy painted (oven) steel structural containers fully suitable to yard use.

Recently it is available the AISI 316 stainless steel container version.

C.E.B. s.r.l design, building operations, testing and switchboard certifications allow our field products to be fully suitable to yard use and superior to market average for reliability, safety in very bad conditions, such as thermal, atmospherical agents, usury increase aging and material damaging. C.E.B. s.r.l uses only first quality materials and parts, and designs these field products easy to move and easy to stock after yard operations ending.

Our product becomes indispensable in on the ground building activities, for marine field and also for the buildings great works.



***48Vac SAFETY TRANSFORMER FIELD or YARD  
SWITCHBOARD***



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## ***48Vac SAFETY TRASFORMER FIELD or YARD SWITCHBOARD***

C.E.B. designs and builds a yard swbd with safety transformer.

It shows a good-looking small volume enclosure gray RAL7032 painted.

This small panel has very big capabilities mainly concerned to its handling given by his fully tilting strong wheels.

The four wheels allow any operator to move easily and quickly the panel using its at the top handling.

The sturdy structure, the choice of first quality materials, and CEB stricly tests make this panel a solid and long-lasting switchboard.

For example, this kind of panel is commonly used in shipyards where welding machine or electricla tools are fed by 48Vac low voltage.



**C.E.B.** SRL

***ELECTRICAL PANELS,  
AUTOMATION PANELS,  
MCCs,  
SWITCHBOARDS***



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## ***ELECTRICAL PANELS***

C.E.B. srl builds up a huge range of switchboards thanks to the fact that CEB can design and build in its own plants, including the enclosures, giving full satisfaction to the customer, tailoring to requirements and customizing solutions.

Giving examples of kind of panels CEB builds:

### **POWER DISTRIBUTION PANEL**

This kind of swbd finds its application in big industrial facilities, residential blocks, naval architecture to distribute electrical power.

### **CONTROL AND MARSHALLING PANEL**

Desktop control swbd fully suitable for Control rooms, engine control rooms in the naval industry or as a monitoring and commanding place in oil industry.

### **HIGH VOLTAGE (H.V.) and LOW VOLTAGE (L.V.) SWITCHBOARD**

### **EXPLOSION PROOF PANEL (A.D.P.E.)**

### **MOTOR CONTROL CENTER (M.C.C.) SWITCHBOARD**

### **AUTOMATION PANEL**

This kind of swbd includes automated system such as common PLC to monitor or control process status, or PC integrated software interface to command the process itself.







***EQUIPPED CONTAINERS for LOGISTIC and  
AUXILIARY SERVICES, SPECIAL FITTINGS***

***POWER GENERATOR CONTAINERS***



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## ***EQUIPPED CONTAINERS***

C.E.B. s.r.l. designs and builds logistic and auxiliary services, or special fittings containers; some examples are the electrical or mechanical workshop, field power distribution container, or welding machines mobile shelter. Our containers are designed and built to bear the worst extreme weather conditions, that is why we climatize and caulk to allow operators to a full use of the container in the field.

This kind of our products are mainly required by oil industry companies or huge works companies or naval industry companies, where it is requested to set in a container a workshop, or a power distribution swbd, or whatever it is requested to be sheltd, and it is also strategical the handling to move quickly the yard, saving a lot of working hours and speeding up a new yard.

These containers are also choosen by naval industry because of the quickly moving on board, off board.

We also build containers on customer specifications, meeting the customer requirements designing deeply to structural level, for example, giving specification for thickness of lateral walls, number and placing of lights, doors to customize freely to product.

## ***POWER GENERATOR CONTAINERS***

A special container, but quite common in our production, is the one with generator integrated: this king of container includes a diesel engine, an alternator, an automation control panel, and a first step power distribution switchboard.

C.E.B. s.r.l. chooses the high level brand builder of diesel engines and alternators to meet our cure in constructing the container system, guaranteeing the best functionality and duration of the whole product.



Impianto stazione  
saldatrici  
per cantiere



- Quadri Elettrici
- Impiantistica Navale
- Apparatii Elettronici
- Cabine

GA 45+



## Container Attrezzato a Officina



- Quadri Elettrici
- Apparatii Elettronici
- Cabine



20091 BRESCIA (Milano) ITALY  
 Vicolo Leopardi, 6  
 Tel. 02/610.12.64 - 66.50.10.86  
 Fax 02/66.50.16.31  
 E-mail: cebsti@tin.it

***AISI 316 CABLE TRAY or CABLE LADDER***



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## ***STAINLESS STEEL CABLE TRAY***

CEB builds standard high quality AISI 316L cable tray or cable ladder.  
This very high quality cable tray is mainly used in naval industry, on board of all kind of ships or platforms, but also in the big industrial plants and residential buildings.



***STANDARD ENCLOSURE***

***SPECIAL ENCLOSURE***



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## ***STANDARD ENCLOSURE***

C.E.B. s.r.l builds a huge variety of high quality enclosure.

Our enclosures, coming out from a very accurate improvement process and a big design, are built with strong steel plates, acheiving various protection degree (IP, or Nema) depending from the model.

## ***SPECIAL ENCLOSURE***

Special enclosures in steel plates or Stainless Steel plates are available, tailored to the customer requirements or customized non-standard enclosure for:

POWER SWITCHBOARD

DISTRIBUTION SWITCHBOARD

MOTOR CONTROL CENTER PANEL (M.C.C.)



### serie 110.1 Tipo N - A - B

Quadro in lamiera sp. 10-12/10, eseguito come da caratteristiche generali. Grado di protezione IP 54. Chiusura a gancio. Possibilità di montaggio sul fianco della porta di una serratura con chiave. (ns. art. 2). Nella parte posteriore, appositi fori permettono il fissaggio a parete del quadro mediante alette, (ns. art. 3).

Art.	Dimensioni L H P	Pannello int.
110*	200x250x150	168x218
112	250x300x150	218x268
114*	250x450x150	218x418
116*	250x600x150	218x568
118*	300x250x200	269x218
120	300x380x150	268x348
122	350x450x180	318x418
124*	380x300x200	348x268
126	390x520x180	358x488
128	430x600x180	398x568
130*	450x350x200	418x318
132*	600x430x220	568x398
134	525x740x200	493x708
136	600x880x220	566x848

Tipo N - Cassetta normale  
 A - Cassetta normale e porta a vetro  
 B - Cassetta con portella interna e porta a vetro



### serie 220.2 Tipo N - A - B

Quadro in lamiera sp. 15-20/10, eseguito come da caratteristiche generali. Grado di protezione IP 65. Porta esterna, serratura ad imposta esagonale, cerniere interne, possibilità di montaggio di serratura a maniglia con chiave (ns. art. 1), o serratura a bloccetto con chiave (ns. art. 6). Nella parte posteriore appositi fori permettono il fissaggio a parete del quadro mediante alette, (ns. art. 3).

Art.	Dimensioni L H P	Pannello int.
230*	230x300x170	200x245
232*	300x300x200	270x245
234	300x400x200	270x345
236*	300x600x200	270x545
238	400x400x200	345x370
240	400x600x200	370x445
242	400x600x200	369x543
244	500x750x250	470x694
246	550x850x250	520x794
248	600x975x250	570x920



### serie 330.3 - 330.3/P

Quadro in lamiera, sp. 15-20/10, eseguito come da caratteristiche generali. Grado di protezione IP 55. Porta incassata, cerniere interne, serratura ad imposta esagonale, possibilità di montaggio di serratura a maniglia con chiave. (ns. art. 1), o serratura a bloccetto con chiave (ns. art. 6). La serie P, differenza dalla normale per la differente altezza delle porte, è dotata infatti di pannellino porta strumenti, nella parete superiore fissato con prigionieri e dadi.

Art.	Dimensioni L H P	Pannello int.
332.3	600x1000x300	500x950
334.3	600x1200x300	500x1150
336.3	700x1200x300	600x1150
338.3	700x1300x350	600x1250
340.3	700x1500x350	600x1450
342.3	700x1700x350	600x1650
332.3/P	600x1000x300	500x950
334.3/P	600x1200x300	500x1150
336.3/P	700x1200x300	600x1150
338.3/P	700x1300x350	600x1250
340.3/P	700x1500x350	600x1450
342.3/P	700x1700x350	600x1650



### serie 350.4

Quadro in lamiera sp. 15-20/10, eseguito come da caratteristiche generali. Grado di protezione IP 55. Porte incassate, cerniere interne, serrature ad imposta esagonale, è particolarmente utilizzato nei casi in cui si renda necessario avere la larghezza superiore all'altezza.

Possibilità di montaggio di serratura a maniglia con chiave (ns. art. 1), o a blocchetto con chiave (ns. art. 6).

Art.	Dimensioni			Pannello int.
	L	H	P	
352.4	750	500	250	700x400
354.4	1000	600	300	950x500
356.4	1300	700	350	1250x600
358.4	1500	700	350	1450x600



### serie 550.6

Banco a leggìo in lamiera, sp. 15-20/10, eseguito come da caratteristiche generali. Grado di protezione IP 55. Porta incassata, piano inclinato ribaltabile, cerniere interne, serratura ad imposta esagonale, possibilità di montaggio di serratura a maniglia con chiave (ns. art. 1), o a blocchetto con chiave (ns. art. 6).

Art.	Dimensioni			Pannello int.
	L	H	P	
551.6	550	1050	350	460x930
552.6	750	1050	350	660x930
553.6	900	1050	350	810x930
554.6	1100	1050	350	1010x930



### serie 440.5

Banco a leggìo in lamiera sp. 15-20/10, eseguito come da caratteristiche generali. Grado di protezione IP 55. Porta incassata, piano inclinato ribaltabile, cerniere interne, serrature a imposta esagonale, possibilità di montaggio di serrature a maniglia con chiave (ns. art. 1), o a blocchetto con chiave (ns. art. 6).

Art.	Dimensioni			Pannello int.
	L	H	P	
441.5	500	1050	350	410x930
442.5	650	1050	350	560x930
443.5	800	1050	350	710x930
444.5	1000	1050	350	910x930
445.5	1200	1050	350	1100x930

# *NAVAL SYSTEMS*



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## ***NAVAL SYSTEMS***

C.E.B. s.r.l. not builds, installs and commissions its own products but has also naval systems design ability such as to design, rate the electrical naval plants including the power distribution, cable paths, for all of the users on board, small or big, low or high voltage.

As a matter of fact C.E.B. s.r.l. can manage the cable pulling for all kind of systems managing its own highly qualified personnel and full of experience in shipbuilding operations.

***MAINTENANCE PLAN (TOTAL DESIGN)***



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## ***MAINTENANCE PLAN***

General experience of C.E.B. s.r.l allowed to organize the plants maintenance division.

The total design (maintenance plan) feature allows our customer to choose us for big electrical distribution systems, designed and built by C.E.B. or not, maintenance.

C.E.B. s.r.l can manage miantenance of huge systems with its personnel “always on duty”, for example, both for oil industy or naval industry.

It is possible to set up, or integrate, a planned maintenance service with highly trained staff personnel to keep high level operations and to maintain machine in the best way.

Customers, who choose to join our maintenance plan (total design), know that it is possible to keep in touch with the builder all the time and also reducing staff cost, for example, saving a lot of training hours to get a good internal maintanance team.

## ***SPECIAL PRODUCTS***



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## **SPECIAL PRODUCTS**

Several times C.E.B. srl helps to design and builds non conventional products; these products are very often protected by patent license or confidentially required, but they allow C.E.B. srl to do research and development keeping its know-how updated.



**C.E.B.** S.p.A.  
CORPORAZIONE ELETTROTECNICA BRESCIA

- Quadri Elettrici
- Impiantistica Navale
- Apparatii Elettronici
- Cabine