



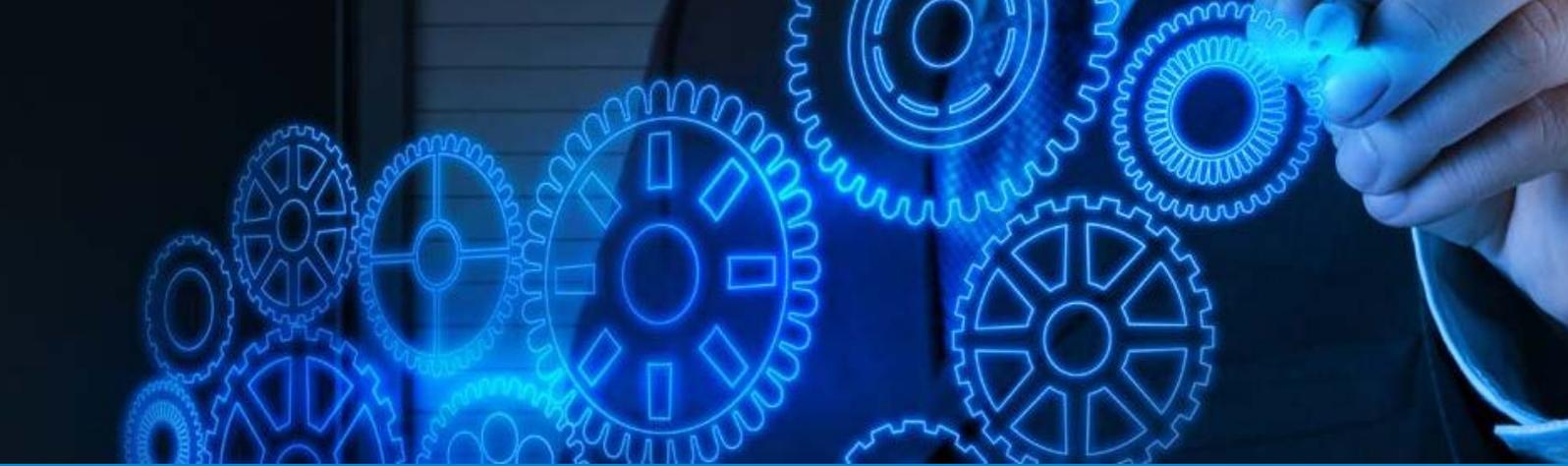
BCH SEMI-MODULAR FLOOR STANDING ENCLOSURE SOLUTION



Contemporary, highly flexible modular enclosure system made through most modern manufacturing facilities for versatile applications. Ideally suited for Automation Control / Power Distribution and for Industrial Controls. As the name suggests the construction is semi modular and offers flexibility of flat-pack shipment. There is a robust multi-fold frame, covered with Doors and Covers protected against ingress by highly resilient foamed-in PU gasket. The mounting plate is depth adjustable.



BCH ELECTRIC LIMITED



A COMPLETE SYSTEM WITH STRENGTH AND MODULARITY

“FCS” SERIES PRODUCT PHILOSOPHY

BCH introduces “FCS” series, the new range of modular enclosure solution proposed as the effectiveness combination of strength and modularity.

“FCS” series enclosure are produced on the same line as the “TME” & “SLE” series and oriented towards a market that is sensitive to the cost-effectiveness of products, but also pay attention to the quality and technical-operational features required in terms of strength & robustness.

“FCS” Series offered with a particular front and rear aesthetic welded frame structure of top quality press-bent sheet metal, so that the roof and bottom of the enclosure form a solid body with the four modular depth uprights, creating an extremely rigid frame.

The product philosophy that led the design is based on the concepts of time and space, in order to provide the end user with maximum advantage in terms of optimization space saving.



TECHNICAL FEATURES & HIGHLIGHTS OF SEMI MODULAR ENCLOSURE



- Unique symmetric front and rear welded frame with modular depth member which resultant fastest assembly and uniformity.
- Removable rear panel and possibility to assemble rear door.
- Rectangular slot with a combination of punched hole of Diameter 5.0mm alternated with a pitch of 25mm allowing fast assembly of enclosure with all adjustments.
- Front inserted mounting plate slides over bottom bracket which result easy assembly after component mounting.
- The Exterior concealed hinges allow the door to opened to 120° and three self-positioning locking points assure an even surface compression on the PU sealing gasket and "U" type bended profile in order to wider surface contact of PU gasket
- Three-piece interchangeable, modular gland plates with sufficient space between gland plate and mounting plate for easy cable routing.
- Flush type side cover & top cover provide a good aesthetical looks to the enclosure & in order to provide the end user with maximum advantage in terms of optimization of space.
- Easy baying of two intermediate enclosure with simple brackets.



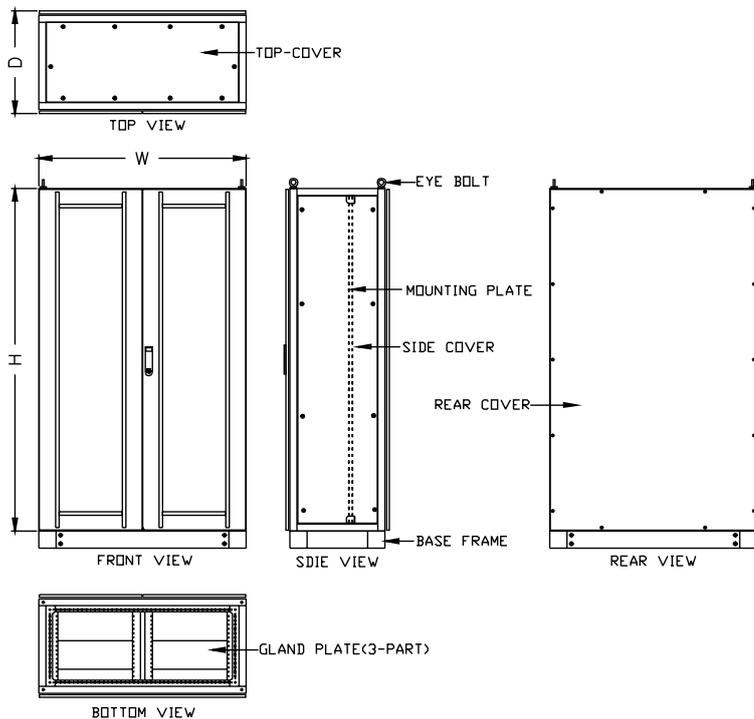
STANDARD AVAILABLE SIZES

“FCS” range of enclosure offered in 12 standard dimensions with 4 different versions

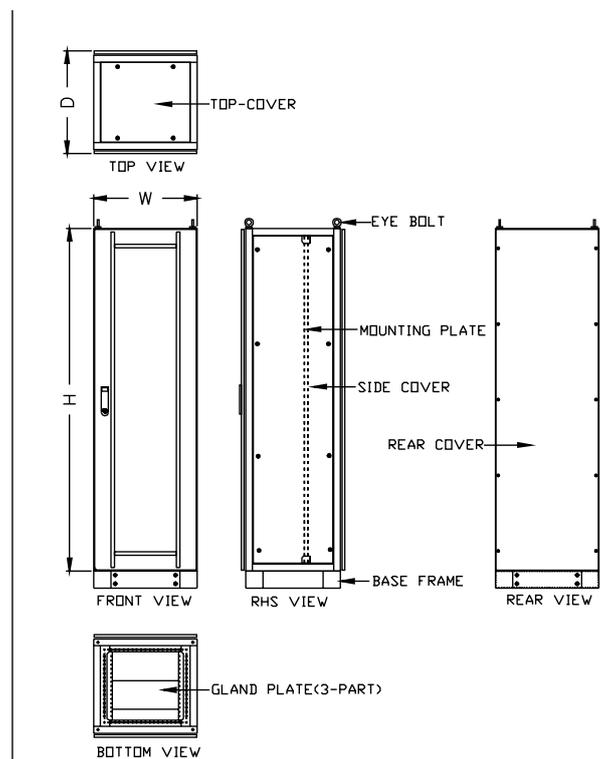
Dimensions			Catalogue No.	Plinth	Side Panel (Pair)
W	H	D		Cat No.	Cat No.
600	1800	400	FCS061804	FCS-PL061804	FCS-SC061804
600	1800	500	FCS061805	FCS-PL061805	FCS-SC061805
800	1800	600	FCS081806	FCS-PL081806	FCS-SC081806
600	2000	600	FCS062006	FCS-PL062006	FCS-SC062006
800	2000	500	FCS082005	FCS-PL082005	FCS-SC082005
800	2000	600	FCS082006	FCS-PL082006	FCS-SC082006
800	2000	800	FCS082008	FCS-PL082008	FCS-SC082008
1000	2000	600	FCS102006	FCS-PL102006	FCS-SC102006
1000	2000	800	FCS102008	FCS-PL102008	FCS-SC102008
1200	2000	500	FCS122005	FCS-PL122005	FCS-SC122005
1200	2000	600	FCS122006	FCS-PL122006	FCS-SC122006
1200	2000	800	FCS122008	FCS-PL122008	FCS-SC122008

Note: Sizes other than above also available on request

DOUBLE LEAF DOOR



SINGLE LEAF DOOR

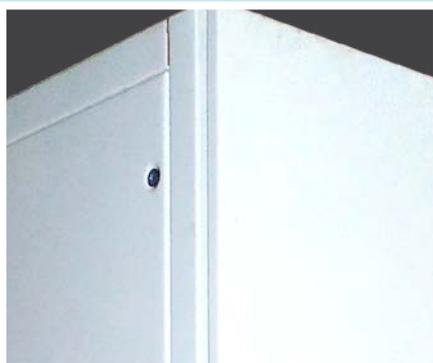


TECHNICAL SPECIFICATIONS

- Front and rear Frame: Made of multi fold profile of Mild steel.
- Doors: Surface mounted with hinges allowing left or right hand opening. Including door Stiffener made of Mild steel.
- Rear Panel: Fitted by M6 CSK screws on standard facilities for rear door mounting made of Mild steel
- Side Panels: Flush type Fitted by M6 screws with plastic spacers made mild steel
- Roof Panels: Flush type removable made of mild steel
- Mounting plate: Double fold made of 2.0mm Galvanized sheet slides over bracket. Adjustable in depth by steps of 25 mm
- Gland plate: Consists of three pieces made of 2.0mm Galvanized steel
- Type tested upto IP-55 as per IEC 60529 : 2013

ENCLOSURE VERSIONS

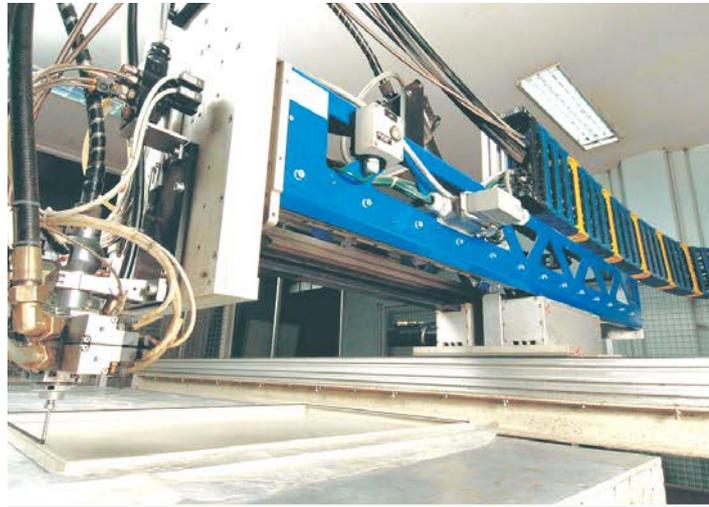
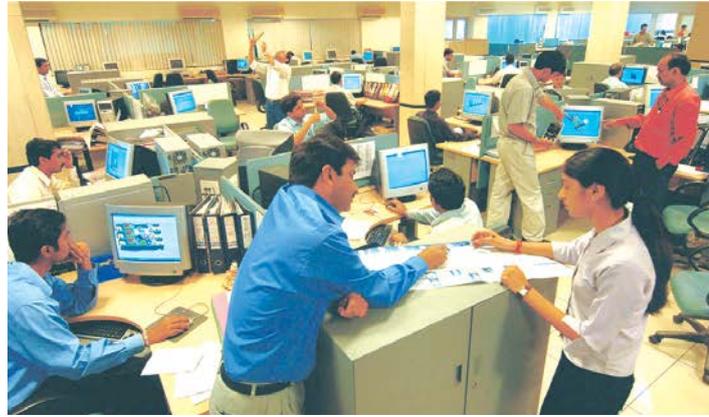
- 001 -- Enclosure frame with front door, rear cover, top cover, 3-part gland plate with one mounting plate.
- 002 -- Enclosure frame with front door, rear door, top cover, 3-part gland plate with one mounting plate.
- 003 -- Enclosure frame with front door, rear cover, top cover, 3-part gland plate without mounting plate.
- 004 -- Enclosure frame with front door, rear door, top cover, 3-part gland plate without mounting plate.



THE MANUFACTURING PROCESS

Our state-of-the-art suitably augmented manufacturing infrastructure produces enclosure that excel to offer product with cost effectiveness. Our focus is on strong infrastructure, high efficiency and consistent quality.

- High quality CRCA / Galvanised (Branded) sheet steel.
- High quality turret punch press with superior servo drive and accuracy.
- CNC machines are supported by PRO-E (3D Modelling) compatible software, which enables CAD to CAM manufacturing for customised products.
- CNC bending machines with very high degree of accuracy, reproducibility and repeatability.
- The fabrication process designed with TIG, MIG & Spot welding ensures strong structure.
- Modern automatic paint shop is fitted with advanced automatic powder application system with ITW GEMA, Switzerland.
- Fully automatic and Eco friendly powder coating booth with 12 reciprocating application Gun.
- Ten tank pre-treatment process with Tri-cationic zinc Phosphating ensure very high Salt-spray life.
- The door and cover panels are processed with foam gasketing, made from Poly urethane polymer for long life and higher degree of Ingress Protection.
- The Gasket laying machine is a state-of-the-art 3-Axis CNC machine from Europe.





BCH ELECTRIC LIMITED

BCH Electric Limited, an ISO 14001:2015 and ISO 9001:2015 company, is today one of the leading manufacturer of wide range of Industrial Enclosures. It is wholly owned Indian company with a wide network of global connections.

BCH Electric, as always, remains committed to customer satisfaction & loyalty, and will continue to broaden its portfolio with more services and products to further strengthen its partnership with customers.

Our diversified enclosure product portfolio consists of IP-55, IP-66 welded boxes both in mild steel as well as stainless steel, techno-modular enclosures, compartmentalized enclosures up-to form-4B, 19 inch rack, telecom enclosures, control desks, and in addition we can provide a customized enclosure solution for almost every need to protect your system.

Our enclosures and panel solutions are brought to market by a sales and service network spanning across the entire nation with over 50 branch offices and resident engineer locations as well as over 500 active channel partners.



BCH ELECTRIC LIMITED



- Power Control Products**
- Starters & Submersible Pump Starters**
- Industrial Enclosures**
- Industrial Products**
- Wires & Cables**
- Motor Control Products**
- Customised Solution**
- Automation**



BCH ELECTRIC LIMITED

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Resident Engineer Locations

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Bhilai	Hubli	Nagpur	Surat
Bhubaneswar	Hospet	Nashik	Udaipur
Cochin	Jodhpur	Patna	Vapi
Dehradun	Kakinada	Puducherry	Vishakhapatnam
Durgapur	Kota	Rajkot	Warangal

Since product improvement is a continuous process, the data furnished in this brochure may undergo revision without prior notice.