

# TECHNO MODULAR ENCLOSURE



**Strong  
Flexible  
Modular**



BCH  
ELECTRIC  
LIMITED



## TECHNO MODULAR ENCLOSURE



Contemporary, highly flexible modular enclosure system for versatile applications. Ideally suited for AC Drives / Automation Control / Power Distribution and for Industrial Controls. Apart from standard Form-1 configuration, also possible to offer semi / fully compartmentalised options upto Form 3b that facilitates adaptability for MCCs, PDBs, APFC control, etc.

As the name suggests the construction is fully modular and offers flexibility of flatpak shipment. There is a separate robust subframe, covered with Doors and Covers protected against ingress by highly resilient foamed-in PU gasket. The mounting plate with high load bearing capacity is depth adjustable.

### **The design incorporates user friendly features and accessories, viz.**

- (a) Adjustable support members
- (b) Removable doors and covers
- (c) Gland plate
- (d) Lifting eye bolts (lifting channel for extra wide enclosures)
- (e) Baying kit (for joining adjacent enclosures)
- (f) Wiring plan pocket
- (g) Modular plinth
- (h) Bolted stiffener for door
- (i) Sophisticated 3 point locking for doors
- (j) Possibility of offering Louvers with filters, Fans, Limit switch, Multipart mounting plate, AVM pads, and 19" angle adaptors
- (k) All along the internal sub frame, there is M6 tapping every 25mm that offers unmatched flexibility of site fixing of various accessories, supports, brackets, fittings, etc. without need of hole drilling



# TECHNO MODULAR ENCLOSURE



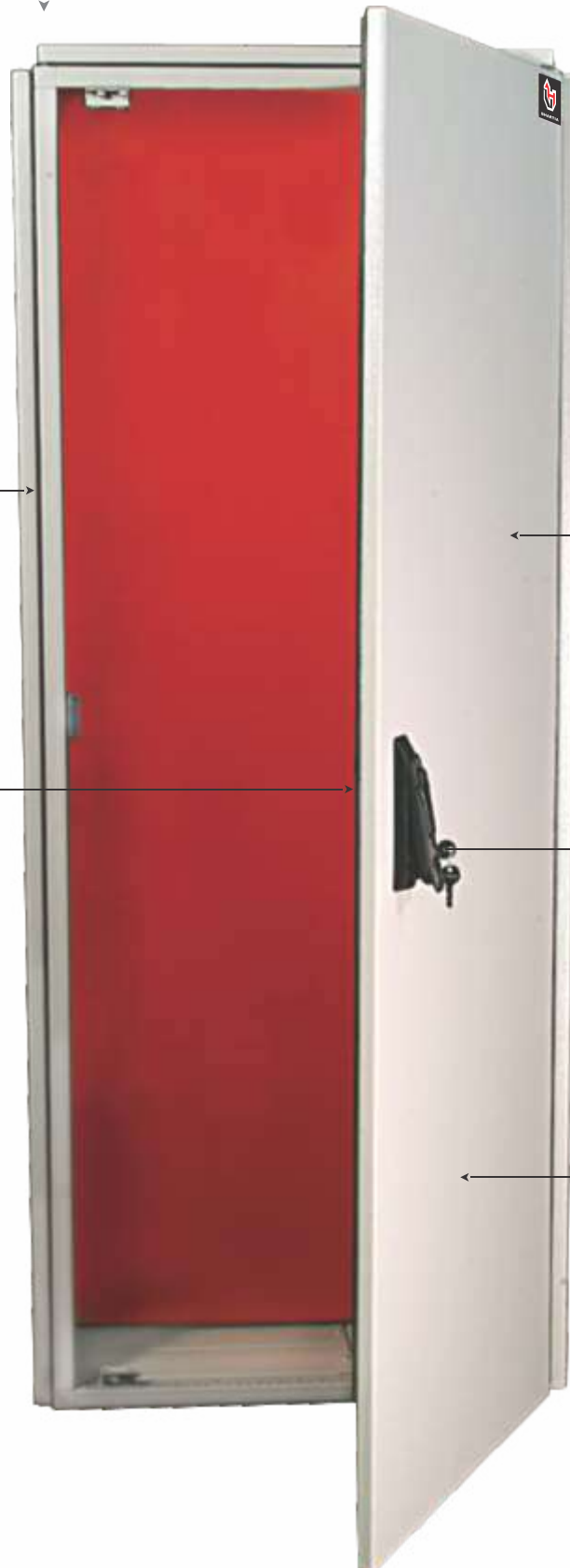
High quality **CRCA**  
branded steel sheets

Highly resilient  
foamed-in **PU Gasket**

**Removable**  
Doors & Covers

**3 Point Lock**  
provided as standard

Paint Shop installed by  
Handen Machines with  
**Powder Application System**  
from ITW GEMA, Switzerland





### Standard available size of Techno Modular Enclosure

Size in mm W x H x D	Enclosure Catalogue No.	Plinth Catalogue No.	Side Covers (Pair) Catalogue No.	Size in mm W x H x D	Enclosure Catalogue No.	Plinth Catalogue No.	Side Covers (Pair) Catalogue No.
600x1800x400	TME 061804	TPL 061804	TSC 061804	400x2000x600	TME 042006	TPL 042006	TSC 042006
800x1800x400	TME 081804	TPL 081804	TSC 081804	600x2000x600	TME 062006	TPL 062006	TSC 062006
1000x1800x400	TME 101804	TPL 101804	TSC 101804	800x2000x600	TME 082006	TPL 082006	TSC 082006
1200x1800x400	TME 121804	TPL 121804	TSC 121804	1000x2000x600	TME 102006	TPL 102006	TSC 102006
600x1800x500	TME 061805	TPL 061805	TSC 061805	1200x2000x600	TME 122006	TPL 122006	TSC 122006
800x1800x500	TME 081805	TPL 081805	TSC 081805	600x2000x800	TME 062008	TPL 062008	TSC 062008
1000x1800x500	TME 101805	TPL 101805	TSC 101805	800x2000x800	TME 082008	TPL 082008	TSC 082008
1200x1800x500	TME 121805	TPL 121805	TSC 121805	1000x2000x800	TME 102008	TPL 102008	TSC 102008
600x2000x400	TME 062004	TPL 062004	TSC 062004	1200x2000x800	TME 122008	TPL 122008	TSC 122008
800x2000x400	TME 082004	TPL 082004	TSC 082004	600x2200x600	TME 062206	TPL 062206	TSC 062206
1000x2000x400	TME 102004	TPL 102004	TSC 102004	800x2200x600	TME 082206	TPL 082206	TSC 082206
1200x2000x400	TME 122004	TPL 122004	TSC 122004	1000x2200x600	TME 102206	TPL 102206	TSC 102206
400x2000x500	TME 042005	TPL 042005	TSC 042005	1200x2200x600	TME 122206	TPL 122206	TSC 122206
600x2000x500	TME 062005	TPL 062005	TSC 062005	600x2200x800	TME 062208	TPL 062208	TSC 062208
800x2000x500	TME 082005	TPL 082005	TSC 082005	800x2200x800	TME 082208	TPL 082208	TSC 082208
1000x2000x500	TME 102005	TPL 102005	TSC 102005	1000x2200x800	TME 102208	TPL 102208	TSC 102208
1200x2000x500	TME 122005	TPL 122005	TSC 122005	1200x2200x800	TME 122208	TPL 122208	TSC 122208

All dimensions in mm

#### Enclosure Versions :

- 001 - With mounting plate and rear cover
- 002 - With mounting plate and rear door
- 003 - Without mounting plate and with rear cover
- 004 - Without mounting plate and with rear door

#### Ordering Information :

- (a) Choose Cat. No. of Enclosure version from 001, 002, 003 or 004
- (b) Add Cat. No. of Plinth
- (c) Add Cat. No. of Side Covers pair

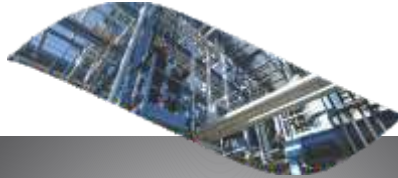
## THE MANUFACTURING PROCESS

Our state-of-the-art suitably augmented manufacturing infrastructure, produces enclosures that excel to offer cost effectiveness

Our focus is on strong infrastructure, high efficiency and consistent quality

- ~ High quality CRCA (branded) steel sheets
- ~ 3D software used to design the products
- ~ Superior servo drive punching and machine
- ~ CNC machine are supported by 3D compatible software, which enables CAD to CAM manufacturing for customized products
- ~ CNC bending machines with very high degree of accuracy, reproducibility & repeatability
- ~ The fabrication process designed with TIG, MIG, spot, and Pulse welding ensures strong structures
- ~ Fully automatic and eco-freindly powder coating plant
- ~ 10-Tank pre-treatment is done using spray jets and cascade rinsing, which ensures optimized usage of chemicals
- ~ Tri-cationic Zinc phosphating for higher salt spray life
- ~ The door panels are processed with foam gasketing - made from Poly Urethane polymer for long life





### BHARTIA ENCLOSURES IP 55 / IP 66 / IK 10



- Range : (W x H x D in mm) : 200 x 200 x 150 through 1200 x 400 x 400
- Available in IP 55 / IP 66-IK10 Protection
- Fabricated using CRCA draw quality sheet steel :  
Body and Door : 1.2mm thickness upto 500 x 500 x 200 and 1.6 mm thickness beyond  
Mounting plate and Gland plate : 2 mm thickness
- Powder coated paint finish :  
Body - RAL 7035 Structure finish  
Mounting plate - Electrogalvanized.
- Foamed-in PU gasket for superior and long lasting ingress protection
- Gland plate provided at bottom for IP 55
- Wall mounting brackets sets [4 brackets with fixing h/w] available as spare for small and bigger sizes enclosure.
- Customised Solutions

Ability to meet special requirements like non standard sizes, colours, door configuration, locking arrangement.

### TERMINAL BOXES IP 55 / IP 66 / IK 10



- 43 standard variants
- Range : (W x H x D in mm) : 150 x 150 x 80 through 800 x 400 x 120
- Available in IP 55 / IP 66-IK10 Protection
- Fabricated from 1.2 mm CRCA sheet steel
- Foamed-in PU gasket
- Powder coated to shade RAL 7035
- Provided with screwed cover on top
- Hingeable door with knob type locking for all sizes possible on request [Under customized category]
- Two nos vertical mounting brackets provided as standard accessory
- Holes with grommet provided to facilitate cable entry in IP 55 terminal boxes
- Wall mounting brackets sets [4 brackets with fixing h/w] available as spare

### TCE SERIES IP 66 / IP 65 / IK 10



- Frame: 2.0mm Painted Steel
- Door: 2.0mm Painted Steel
- Rear, Top and Side panes: 1.6mm painted steel
- Mounted Plate: 3.0mm painted steel/3.0mm GI on request
- Bottom Gland Plate: 2.0mm Galvanized Steel
- Surface finish: RAL-7035 to enclosure and RAL-2000 to mounting plate

#### The Design incorporate user friendly features

- Removable Door and covers
- Door with Inter changeability features (LHS/RHS)
- 4 - point locking for doors
- Separate locking at LHS door with swing handle for Double door
- Bolted Stiffener for door with powder coating
- 3 -Part Gland plate
- Eye bolt for lifting
- Modular plinth (optional) 100mm Height
- Side panel (optional) removable type

**TECHNICAL  
FEATURES & HIGHLIGHTS OF  
BCH TECHNO MODULAR ENCLOSURES:**



- ~ Combination to suite every need.
- ~ 100% Modular Structure can be dispatched into flat pack.
- ~ Structure made of high grade Electro-galvanized steel [Skin Pass] to provide superior protection against corrosion.
- ~ Flexible Horizontal / Vertical busbar and Cable Compartment Configuration.
- ~ Fully type tested as per International Standards IEC 439 , IEC 529
- ~ Modular design construction for prevention of electrical faults from one compartment to the other compartments i.e. Form 1-2-3-4 and their sub form can be constructed IP 54 with polyurethane foam gasketing.
- ~ Doors available in height of 200mm & multiples of 100mm.
- ~ Horizontal Busbar chambers, Vertical cable chambers are provided with Individual bolted covers.
- ~ Plinth (modular) & Side cover is optional.
- ~ Wide Variety of Standard TME range to choose from.
- ~ Additional accessories like Cable Support, Busbar Support and Baying Kit are available.
- ~ Double front execution can also be provided.
- ~ Lifting Channel provided as std (instead of Eye-bolts) for higher load-caring capacity.
- ~ Mtg. Plate adjustable throughout the feeder compartment depth at an pitch of 25mm.
- ~ BB chamber (Top / Bottom) and Feeder doors (Left / Right) are interchangeable.
- ~ As a standard the doors are supplied with hinges for 120 degree opening and Metal locks.
- ~ Panel can be expanded in all 3 dimensions and bayed together by using Baying Kit.
- ~ All cornerbars and crossbars can be placed at 25mm intervals horizontal, vertical, longitudinal.
- ~ Separation Plate will provide into all the feeder compartment in Horizontal and vertical way.
- ~ Colours: RAL-7035 (EP structure finish) for structure, covers & doors. RAL-2000 (smooth finish) for Mtg. Plate, RAL-9000 (smooth finish) for Plinth and Lifting Angle.
- ~ Short circuit strength : 50KA for 1 sec.
- ~ Ingress Protection : IP - 54

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

*a strong commitment to serve better always ...*



# BCH ELECTRIC LIMITED



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



**1800-103-9262**  
[customercare@bchindia.com](mailto:customercare@bchindia.com)

Visit us at : [www.bchindia.com](http://www.bchindia.com)

**Corporate Office :** 1105, New Delhi House, 27, Barakhamba Road, New Delhi-110 001 Tel. : 91-11- 43673100

**CIN :** U31103WB1965PLC026427, **Customercare No.** 1800-103-9262, **E-mail :** [marketing@bchindia.com](mailto:marketing@bchindia.com)

**Registered Office :** Block 1E, 216, Acharya Jagadish Chandra Bose Road, Kolkata - 700 017

**Works 1 :** 20/4, Mathura Road, Faridabad-121 006 (Haryana) Tel. : 0129-4063000/4293000 Fax : 0129-2304016

**Works 2 :** 64-68, Sector-7, IIE, Pant Nagar, Rudrapur, Udham Singh Nagar - 263 153 (Uttarakhand) Tel. : 05944-250214/16 Fax : 05944-250215

**Sales Offices :**

**Ahmedabad**

401, Shilp Zeveri,  
Beside Shyamal Iconic,  
Above Westside,  
Shyamal Cross Road,  
Ahmedabad - 380015  
Tel. : 079-26589719  
E-mail: [ahmedabad@bchindia.com](mailto:ahmedabad@bchindia.com)

**Bangalore**

2nd Floor, 130/5,  
K.H. Road (Double road),  
Bangalore - 560 027  
Tel. : 080-41144879 / 22236759  
E-mail : [bangalore@bchindia.com](mailto:bangalore@bchindia.com)

**Bhubaneswar**

Mallick Commercial  
Complex Plot No.: A/69, unit - 3  
Bhubaneswar - 751 001  
Tel. : 0674-2380988  
E-mail: [bhubaneswar@bchindia.com](mailto:bhubaneswar@bchindia.com)

**Chandigarh (Panchkula)**

SCO -129, 2nd Floor,  
MDC, Sector-5 Panchkula,  
Haryana-134 114  
Tel.: 0172-5078957 / 5049905  
E-mail: [chandigarh@bchindia.com](mailto:chandigarh@bchindia.com)

**Chennai**

Fiat No. 3A, 3rd Floor,  
Sree Apartments,  
No.508, TTK Road,  
Alwarpet, Chennai 600 018  
Tel.: 044-24337046, 24337047  
E-mail : [chennai@bchindia.com](mailto:chennai@bchindia.com)

**Coimbatore**

87, Dr. Nanjappa Road,  
Coimbatore - 641 018  
Tel. : 0422-2305311 / 2302599  
E-mail : [coimbatore@bchindia.com](mailto:coimbatore@bchindia.com)

**Delhi 1**

801, Akash Deep Building,  
26A, Barakhamba Road,  
New Delhi - 110 001  
Tel. : 011-23313878 / 43518200  
E-mail : [delhi@bchindia.com](mailto:delhi@bchindia.com)

**Delhi 2**

710, Deepali Building, 92  
Nehru Place, New Delhi - 110 019  
Tel. : 011-45720334  
E-mail : [delhi2@bchindia.com](mailto:delhi2@bchindia.com)

**Dehradun**

8, Co-operative Industrial Estate,  
Patel Nagar, Dehradun-248001  
E-mail : [dehradun@bchindia.com](mailto:dehradun@bchindia.com)

**Faridabad**

20/4, Mathura Road,  
Faridabad - 121 006 (Haryana)  
Tel.fax : 0129-4293009  
E-mail : [faridabad@bchindia.com](mailto:faridabad@bchindia.com)

**Hyderabad**

1-8-303/48/13/102, Arya One,  
2nd Floor, P. G. Road,  
Secunderabad - 500 003  
Tel. : 040-66206263/27890306  
Fax : 040-66207273  
E-mail : [hyderabad@bchindia.com](mailto:hyderabad@bchindia.com)

**Indore**

330-331, Indraprastha Tower,  
3rd Floor, 6, M.G. Road,  
Indore - 452 001  
Tel. : 0731-2510011 / 2510012  
E-mail : [indore@bchindia.com](mailto:indore@bchindia.com)

**Jaipur**

25, Hathroi, Gopalbari,  
Jaipur - 302 001  
Tel. : 0141-2363521  
E-mail : [jaipur@bchindia.com](mailto:jaipur@bchindia.com)

**Jamshedpur**

3rd Floor, Aastha Trade Centre,  
'Q' Road, Bistupur,  
Jamshedpur - 831 001  
Tel. : 0657-2321097/2321481  
E-mail : [jamshedpur@bchindia.com](mailto:jamshedpur@bchindia.com)

**Kolkata**

Block 1E, 216,  
Acharya Jagadish Chandra Bose Road,  
Kolkata - 700 017  
Tel. : 033-22871728 / 46021884  
E-mail : [kolkata@bchindia.com](mailto:kolkata@bchindia.com)

**Lucknow**

Madan Plaza, 3rd Floor,  
14, Station Road,  
Lucknow - 226 001  
Tel. : 0522-4025597/4025997  
E-mail : [lucknow@bchindia.com](mailto:lucknow@bchindia.com)

**Ludhiana**

S.C.O. - 18, 2nd Floor,  
Feroze Gandhi Market,  
Ludhiana - 140 001  
Tel. : 0161-5021807/5022808  
E-mail : [ludhiana@bchindia.com](mailto:ludhiana@bchindia.com)

**Mumbai**

A-151, Mittal Tower,  
Nariman Point,  
Mumbai - 400 021  
Tel. : 022-22822947/22850162  
Fax : 022-22822858  
E-mail : [mumbai@bchindia.com](mailto:mumbai@bchindia.com)

**Pune**

8, Sarosh Bhavan,  
16-B/1, Dr. Ambedkar Road,  
Pune - 411 001  
Tel. : 020-41210002  
E-mail : [pune@bchindia.com](mailto:pune@bchindia.com)

**Raipur**

6th Floor, Office No. 607,  
Babylon Capital, Near Oswal  
Petrol Pump, VIP Chowk,  
G.E. Road, Raipur - 492 006  
Tel. : 0771-4045053  
E-mail : [raipur@bchindia.com](mailto:raipur@bchindia.com)

**Trichy**

2B, Kannagi Street,  
Ayyappa Nagar, K.K.Nagar  
Trichy - 620 021, Tamilnadu  
Tel. : 0431-4040497  
E-mail: [trichy@bchindia.com](mailto:trichy@bchindia.com)

**Vadodara**

301, Third Floor, "Florence Classic",  
10, Ashapuri Co-Op. Hsg. Soc. Ltd., Opp. VUDA Housing,  
Near Cow Circle, Akota, Vadodara - 390 020  
Tel. : 0265-2345068/2345069  
Telefax : 0265-2345068,  
E-mail : [vadodara@bchindia.com](mailto:vadodara@bchindia.com)

**Other Branch Locations**

**Cochin :** [cochin@bchindia.com](mailto:cochin@bchindia.com), **Guwahati :** [guwahati@bchindia.com](mailto:guwahati@bchindia.com), **Vishakapatnam :** [vizag@bchindia.com](mailto:vizag@bchindia.com), **Surat :** [surat@bchindia.com](mailto:surat@bchindia.com)

**Resident Engineer Locations**

Anantapur	Kanpur	Nashik	Salem	Yamunanagar
Bhopal	Katni	Patna	Siliguri	
Calicut	Karimnagar	Puducherry	Surat	
Gurgaon	Kota	Rajkot	Tirunelveli	
Jalandhar	Midnapur	Ranchi	Udaipur	
Jalgaon	Muzaffarnagar	Rourkela	Vapi	
Jodhpur	Nagpur	Rudrapur	Vijayawada	