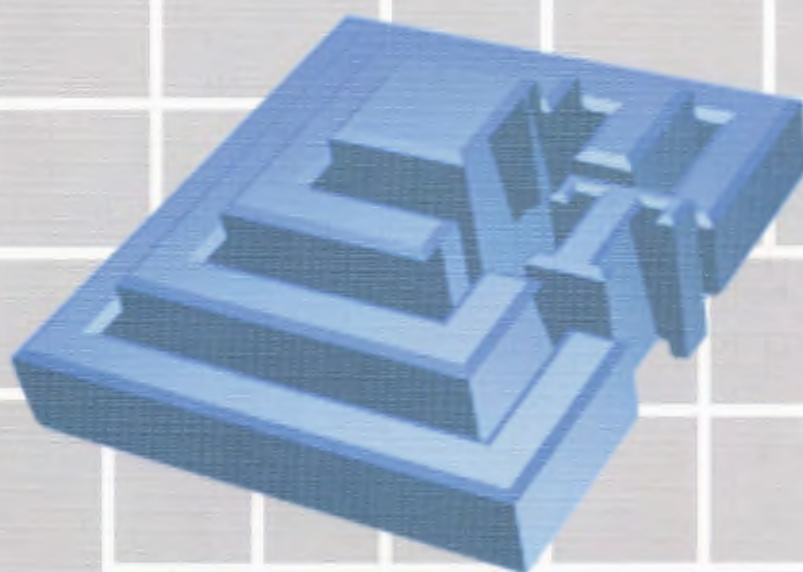






**TEMPA PANO**



**CATALOGUE** *6<sub>a</sub>*



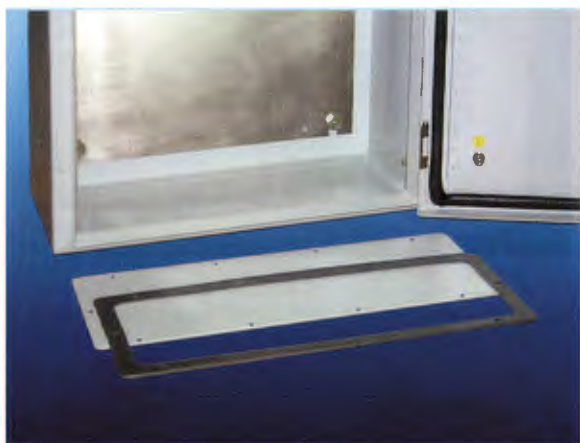


	<b>WALL MOUNTED ENCLOSURES</b>	<b>JB</b> <b>BK</b> <b>KB / KBP</b> <b>TB</b> <b>ETS</b> <b>EKO</b>	Junction Boxes Junction Boxes Junction Boxes Terminal & Bus Enclosures General Purpose Enclosures General Purpose Enclosures
	<b>FLOOR STANDING ENCLOSURES</b>	<b>BS</b> <b>AS</b> <b>MS</b>	Modular Enclosures Modular Enclosures Monobloc Enclosures
	<b>STAINLESS STEEL ENCLOSURES</b>	<b>SSJB</b> <b>SSETS</b> <b>SSAS</b>	Stainless Steel Junction Boxes Stainless Steel Wall Mounted Enclosures Stainless Steel Floor Standing Enclosures
	<b>EMC SHIELDED ENCLOSURES</b>	<b>ESE</b> <b>BSE</b>	EMC Shielded Wall Mounted Enclosures EMC Shielded Floor Standing Enclosures
	<b>Ex-PROOF ENCLOSURES</b>	<b>TES / TEX</b>	Ex Terminal Boxes
	<b>ELECTRONIC SYSTEM CABINETS</b>	<b>ER</b> <b>CR</b> <b>PPC</b> <b>PEC</b> <b>PR</b> <b>PDR</b> <b>PC</b> <b>EC</b> <b>MR</b>	19" Floor Standing Cabinets <i>(Eco Rack)</i> 19" Wall Mounted Cabinets <i>(Cool Rack)</i> PC Cabinets <i>(Prime Line)</i> 19" Floor Standing Cabinets <i>(Prime Line)</i> 19" Wall Mounted Cabinets <i>(Prime Line)</i> 19" Data Rack Cabinets <i>(Prime Line)</i> PC Cabinets 19" Floor Standing Cabinets 19" Wall Mounted Cabinets
	<b>CONSOLE SYSTEMS</b>	<b>PTE</b> <b>PT</b> <b>PY</b>	Operating Consoles Operating Consoles Operating Desks
	<b>DISTRIBUTION SYSTEMS</b>	<b>TT / TTS</b> <b>TDK</b> <b>BT / BTM</b> <b>VT / VTN</b>	TEMBAR Busbar Distribution Systems TEMGARD Distribution Board BLOC Busbar Distribution Systems NOVA Busbar Distribution Systems
	<b>AIR-CONDITIONING SYSTEMS</b>		Ventilation and Air-Conditioning
	<b>APPLICATIONS</b>		Applications Accessories Wöhner
	<b>TECHNICAL APPENDIX</b>		Technical Appendix

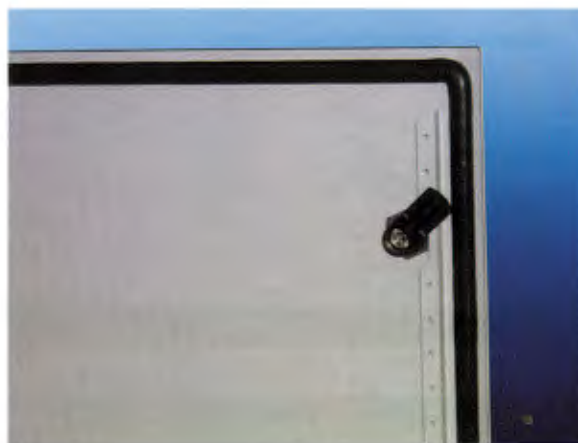




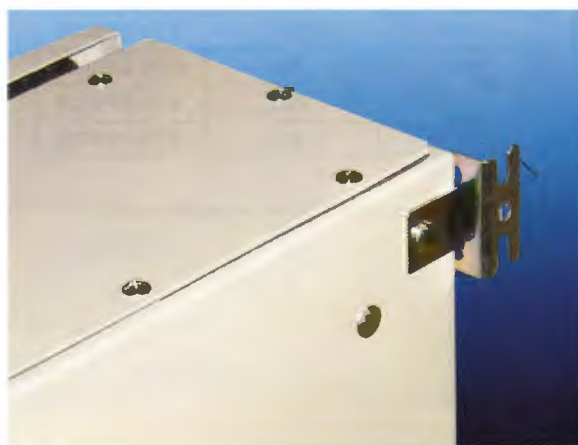
**wide  
range**



**high  
protection  
IP 65**



**easy assembly  
and  
quick fixing**



Width A (mm)	Height B (mm)	Depth C (mm)	Enclosures Reference No	Weight (kg)	Gland Sizes		Door	Plate	Hinge	Lock
					D (mm)	E (mm)				
200	300	150	EKO 020315	3.5	160	59	1	2	2	1
300	300	150	EKO 030315	4.6	260	59	1	2	2	1
		200	EKO 030320	5.2	260	109	1	2	2	1
	400	150	EKO 030415	5.4	260	59	1	2	2	1
		200	EKO 030420	6.5	260	109	1	2	2	1
		500	EKO 030520	7.2	260	109	1	2	2	1
400	300	150	EKO 040315	5.3	360	59	1	2	2	1
		400	EKO 040420	7.6	360	109	1	2	2	1
	500	150	EKO 040515	7.8	360	59	1	2	2	1
		200	EKO 040520	8.7	360	109	1	2	2	1
	600	200	EKO 040620	9.8	360	109	1	2	2	2
		300	EKO 040630	12.1	360	191	1	2	2	2
500	500	200	EKO 050520	10.3	460	109	1	2	2	1
	600	200	EKO 050620	11.3	460	109	1	2	2	2
	700	200	EKO 050720	13.0	460	109	1	2	3	2
		300	EKO 050730	15.4	460	191	1	2	3	2
600	400	200	EKO 060420	10.3	560	109	1	2	2	2
		600	EKO 060620	14.9	560	109	1	2	2	2
	800	300	EKO 060630	18.3	560	191	1	2	2	2
		200	EKO 060820	19.4	560	109	1	2	3	2
		300	EKO 060830	23.6	560	191	1	2	3	2
	1000	200	EKO 061020	24.1	560	109	1	2	3	2
		300	EKO 061030	26.1	560	191	1	2	3	2
	1150	300	EKO 061130	29.4	560	191	1	2	3	2
800	600	200	EKO 080620	21.0	760	109	1	2	3	2
	1000	300	EKO 081030	32.0	760	191	2	2	3+3	1 <sup>(1)</sup>
	1200	300	EKO 081230	43.6	760	191	2	2	4+4	1 <sup>(1)</sup>
1000	1000	300	EKO 101030	52.2	960	191	2	2	3+3	1 <sup>(1)</sup>
	1200	300	EKO 101230	59.0	960	191	2	2	4+4	1 <sup>(1)</sup>

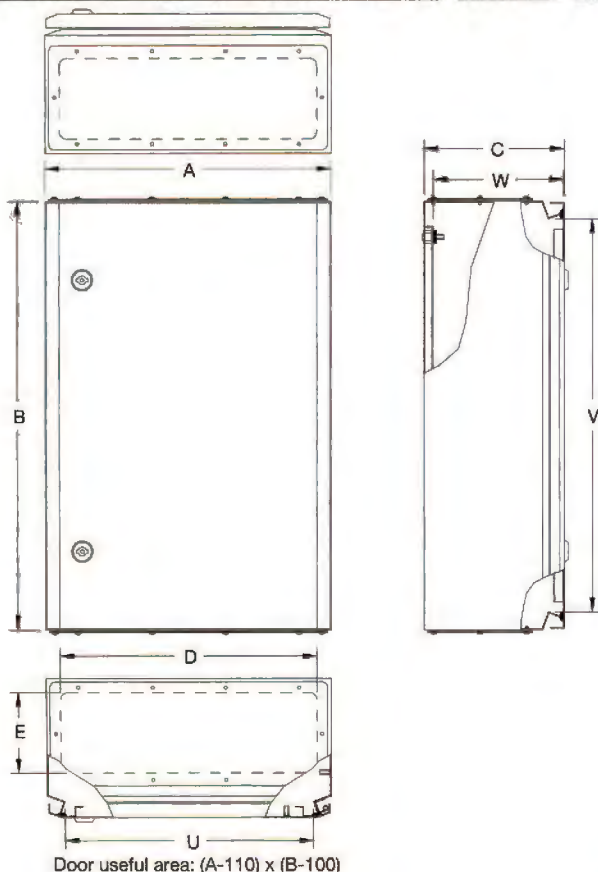
## Characteristics :

- Sheet steel enclosure : 1.2 - 1.5 mm
- door : 1.2 - 1.5 mm
- mounting plate : 2 mm
- Foamed-in door sealing gasket.
- Top and bottom gland plates.
- Concealed hinges.
- 170° door opening.
- IP 65 protection (TS 3033, EN 60529).
- Powder coating (RAL 7032w).
- Galvanized mounting plate.

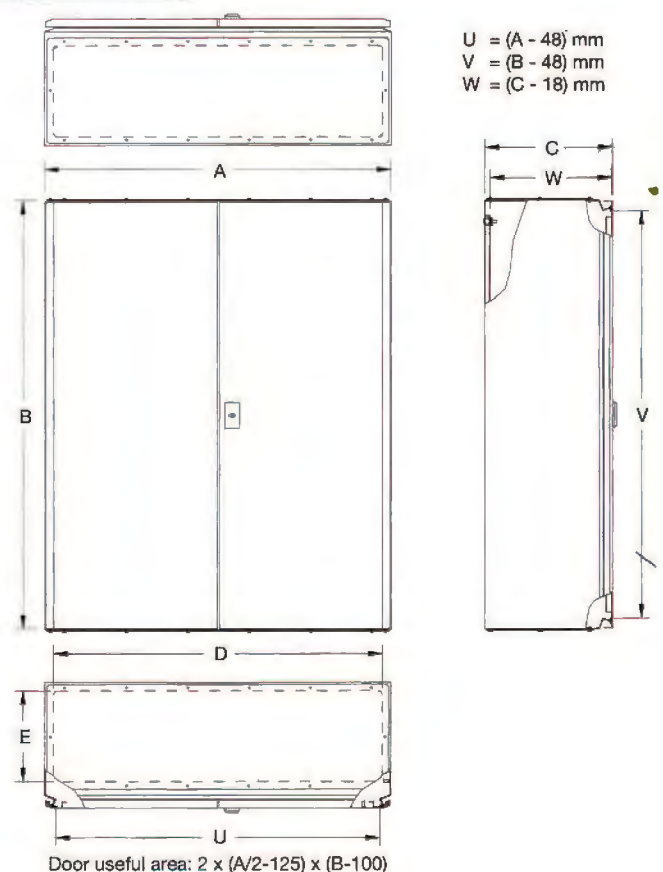
## On Request :

- Special colour.
- Special mounting plate.
- Special sizes.
- Glazed door.
- Pre-punching.

(1) : Rod-Latch type lock.



Door useful area: (A-110) x (B-100)



Door useful area: 2 x (A/2-125) x (B-100)



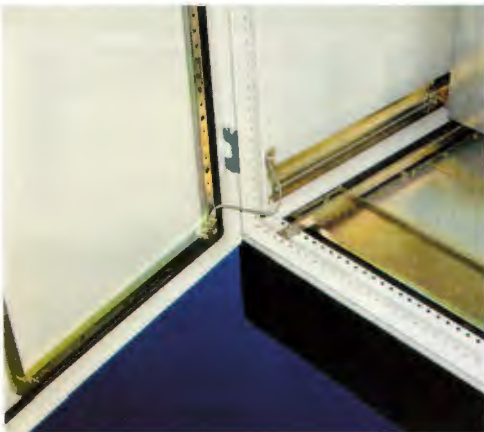
Width A (mm)	Height B (mm)	Depth C (mm)	Enclosures Reference No
400	1800	400	BS 041840
		500	BS 041850
		600	BS 041860
		800	BS 041880
	2000	400	BS 042040
		500	BS 042050
		600	BS 042060
		800	BS 042080

600	1800	400	BS 061840
		500	BS 061850
		600	BS 061860
		800	BS 061880
	2000	400	BS 062040
		500	BS 062050
		600	BS 062060
		800	BS 062080

800	1800	400	BS 081840
		500	BS 081850
		600	BS 081860
		800	BS 081880
	2000	400	BS 082040
		500	BS 082050
		600	BS 082060
		800	BS 082080

1000	1800	400	BS 101840
		500	BS 101850
		600	BS 101860
		800	BS 101880
	2000	400	BS 102040
		500	BS 102050
		600	BS 102060
		800	BS 102080

1200	1800	400	BS 121840
		500	BS 121850
		600	BS 121860
		800	BS 121880
	2000	400	BS 122040
		500	BS 122050
		600	BS 122060
		800	BS 122080





Width A (mm)	Height B (mm)	Depth C (mm)	Enclosures Reference No
400	1800	400	AS 041840
		500	AS 041850
		600	AS 041860
		800	AS 041880
	2000	400	AS 042040
		500	AS 042050
		600	AS 042060
		800	AS 042080

600	600	400	AS 060640
		500	AS 060650
		600	AS 060660
	900	400	AS 060940
		500	AS 060950
		600	AS 060960
	1200	400	AS 061240
		500	AS 061250
		600	AS 061260
	1500	400	AS 061540
		500	AS 061550
		600	AS 061560
	1800	400	AS 061840
		500	AS 061850
		600	AS 061860
	2000	800	AS 061880
		400	AS 062040
		500	AS 062050
		600	AS 062060
		800	AS 062080

800	600	400	AS 080640
		500	AS 080650
		600	AS 080660
	900	400	AS 080940
		500	AS 080950
		600	AS 080960
	1200	400	AS 081240
		500	AS 081250
		600	AS 081260
	1500	400	AS 081540
		500	AS 081550
		600	AS 081560
	1800	400	AS 081840
		500	AS 081850
		600	AS 081860
	2000	800	AS 081880
		400	AS 082040
		500	AS 082050
		600	AS 082060
		800	AS 082080

1000	1800	400	AS 101840
		500	AS 101850
		600	AS 101860
		800	AS 101880
	2000	400	AS 102040
		500	AS 102050
		600	AS 102060
		800	AS 102080

1200	1800	400	AS 121840
		500	AS 121850
		600	AS 121860
		800	AS 121880
	2000	400	AS 122040
		500	AS 122050
		600	AS 122060
		800	AS 122080



• Wide range.



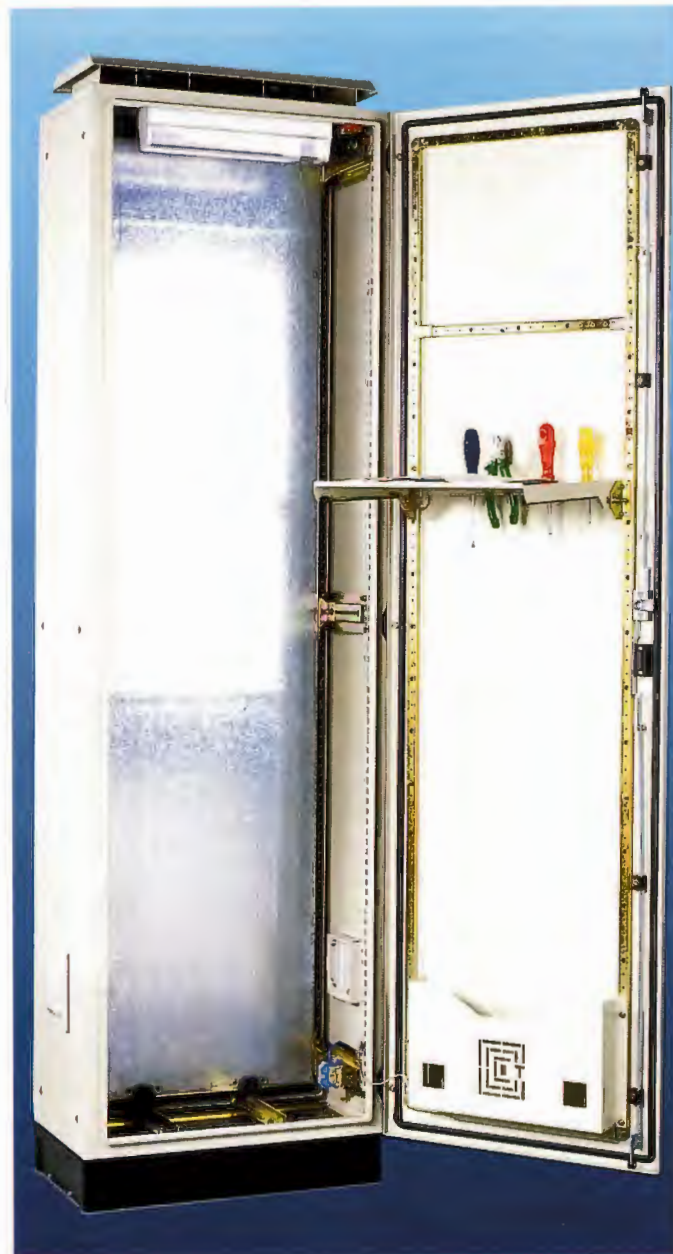
• Adjoining suitability.



• Elegance & durability.



• Ventilation systems.



• Optimum space usage.



• Rich accessories.  
Simple solutions.



• Horizontal and vertical  
partitioning if desired.





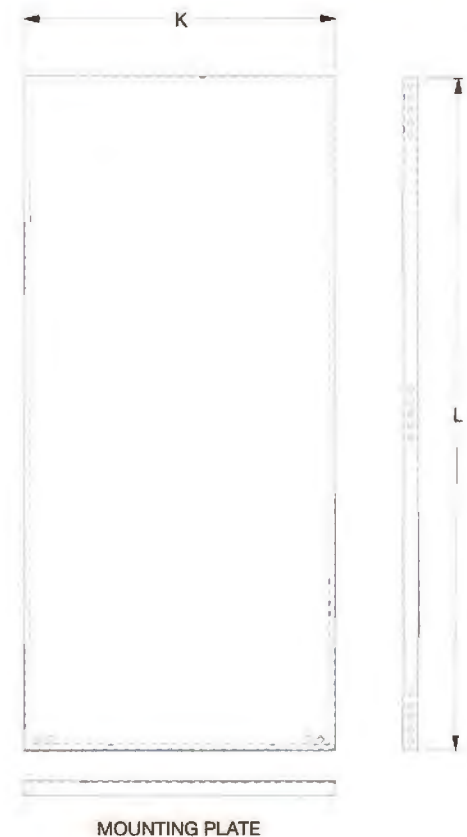
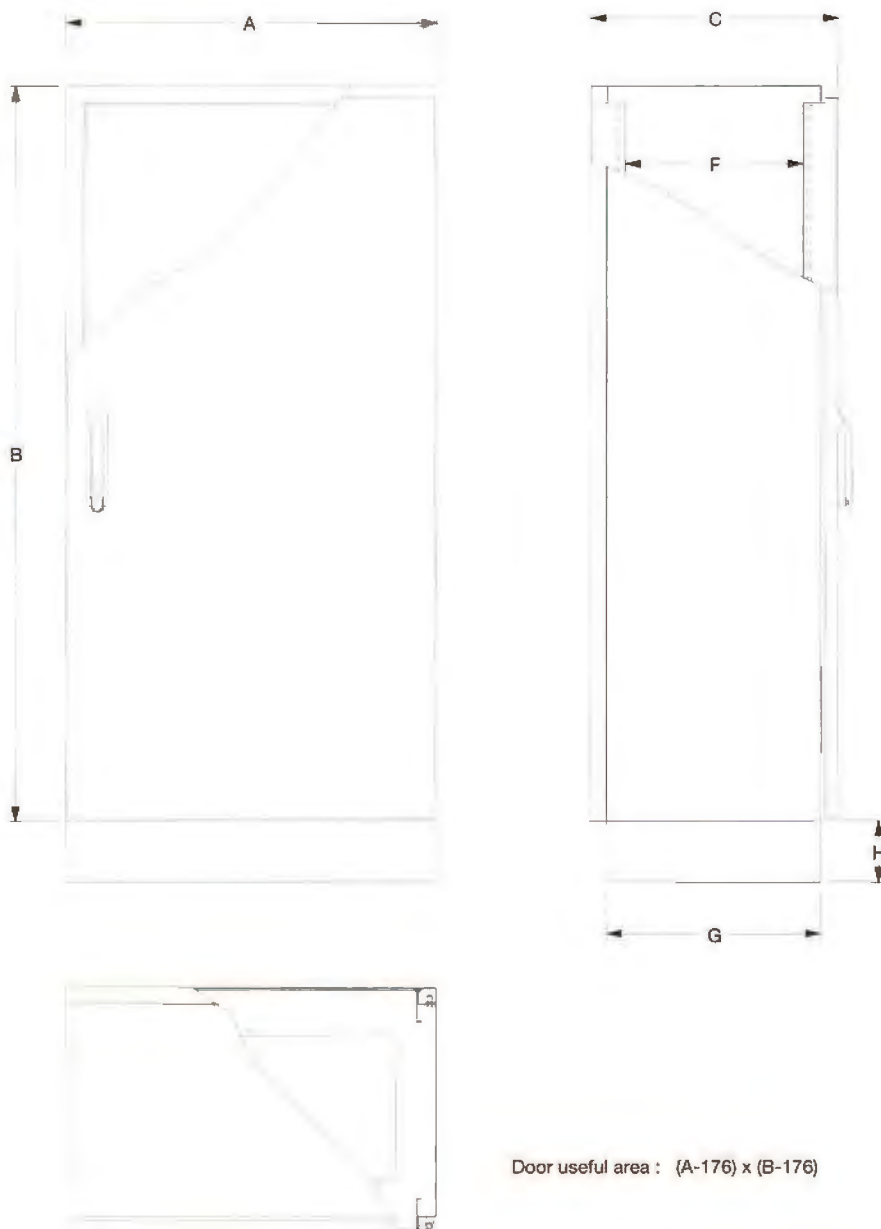
Width A (mm)	Height B (mm)	Depth C (mm)	Enclosures Reference No	Sizes		Weight (kg)
				F (mm)	G (mm)	
600	600	400	<b>MS 060640</b>	287	350	37.9
	900	400	<b>MS 060940</b>	287	350	53.4
	1200	400	<b>MS 061240</b>	287	350	65.6
	1500	500	<b>MS 061550</b>	387	450	77.4
	1800	600	<b>MS 061860</b>	487	550	106.3
800	600	400	<b>MS 080640</b>	287	350	49.8
	900	400	<b>MS 080940</b>	287	350	69.5
	1200	400	<b>MS 081240</b>	287	350	81.3
	1500	500	<b>MS 081550</b>	387	450	96.6
	1800	600	<b>MS 081860</b>	487	550	128.6

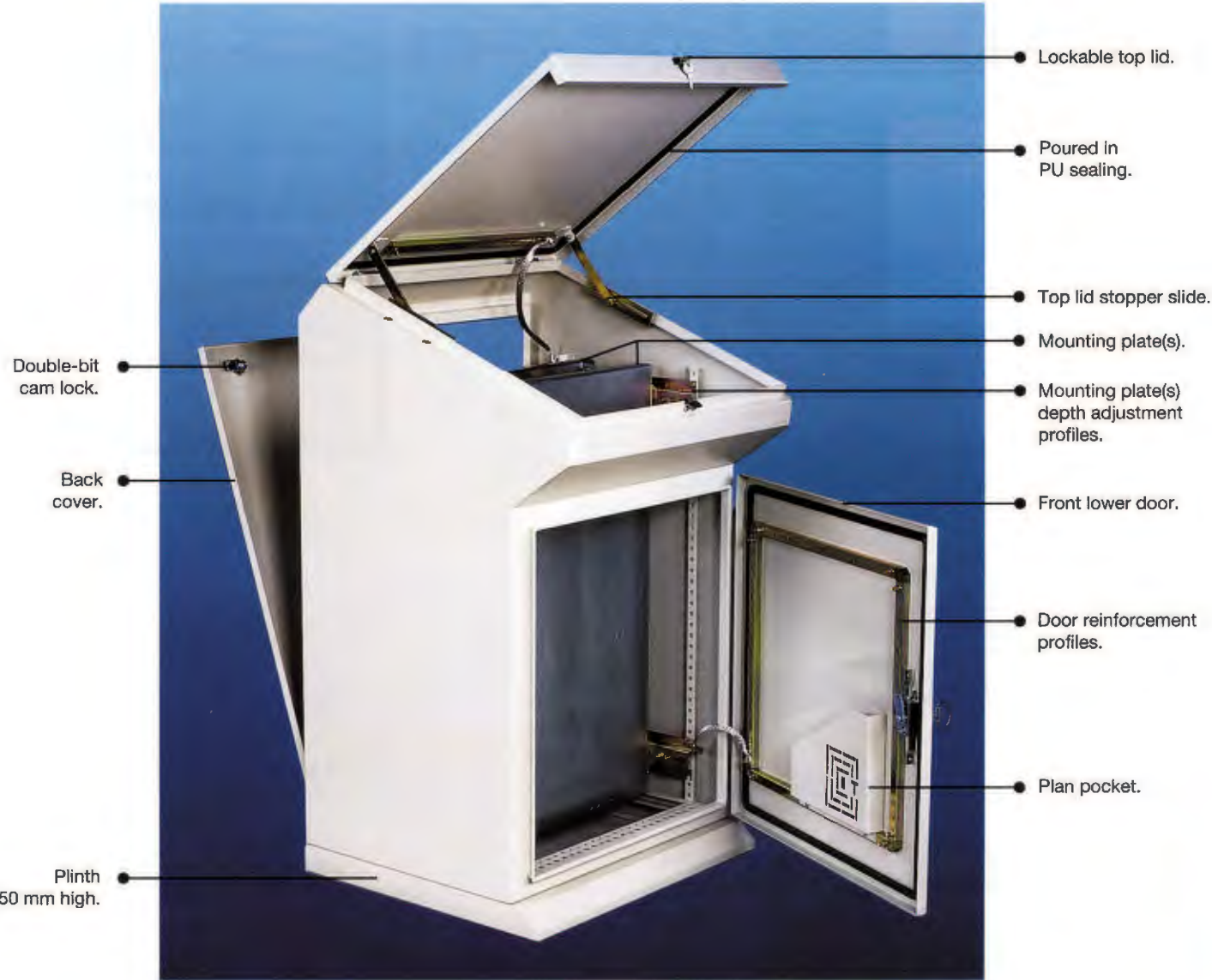
## Characteristics :

- Sheet steel enclosure : 1.5mm
- door : 2 mm
- mounting plate : 2 mm
- plinth : 2 mm
- Powder coating (RAL 7032w).
- Foamed in sealings.
- High protection (IP 65).
- Galvanized mounting plate.
- 10 fold profile, rigid body.

## On Request :

- Special paint applications for excellent corrosion resistance.
- Special colour.
- Special mounting plates.
- Special sizes.
- Glazed door.
- Pre-punching.





CONSOLE  
SYSTEMS



Width A (mm)	Height B (mm)	Depth C (mm)	Enclosures Reference No	Weight (kg)	Sizes			
					D (mm)	E (mm)	F (mm)	G (mm)
600	1065	400	PT 061040	49.8	519	625	495	407
	1065	500	PT 061050	54.7	608	625	495	498
800	1065	500	PT 081050	65.0	608	625	695	498
	1065	600	PT 081060	69.5	700	625	695	593
1000	1065	500	PT 101050*	75.6	608	625	895	498
	1065	600	PT 101060*	81.2	700	625	895	593
1200	1065	600	PT 121060*	91.6	700	625	1095	593

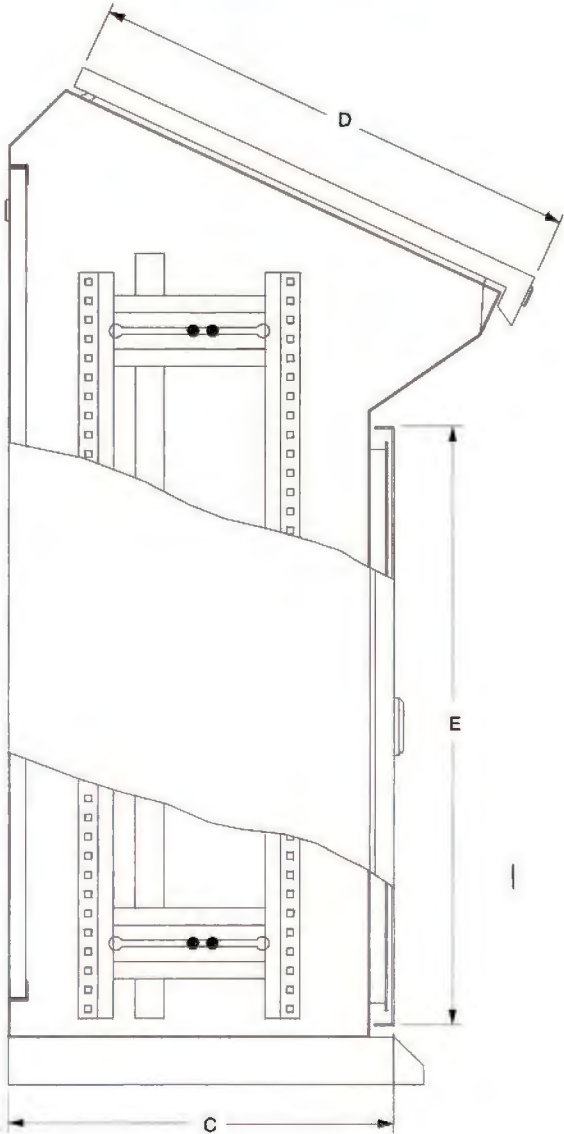
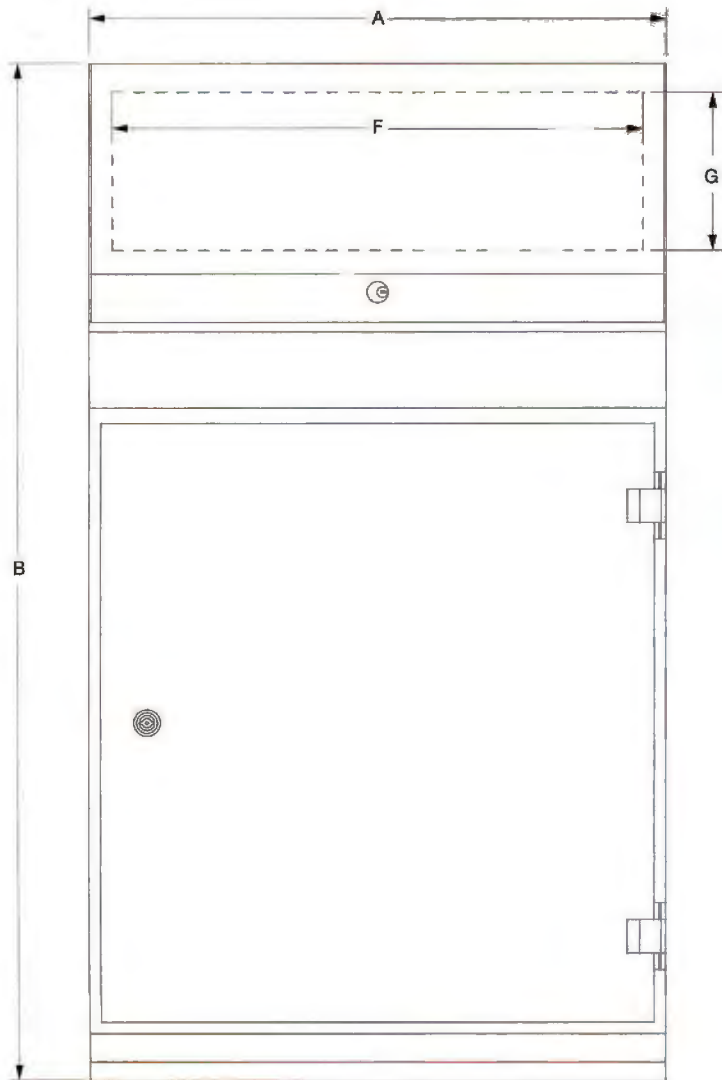
\* Double lower front door.

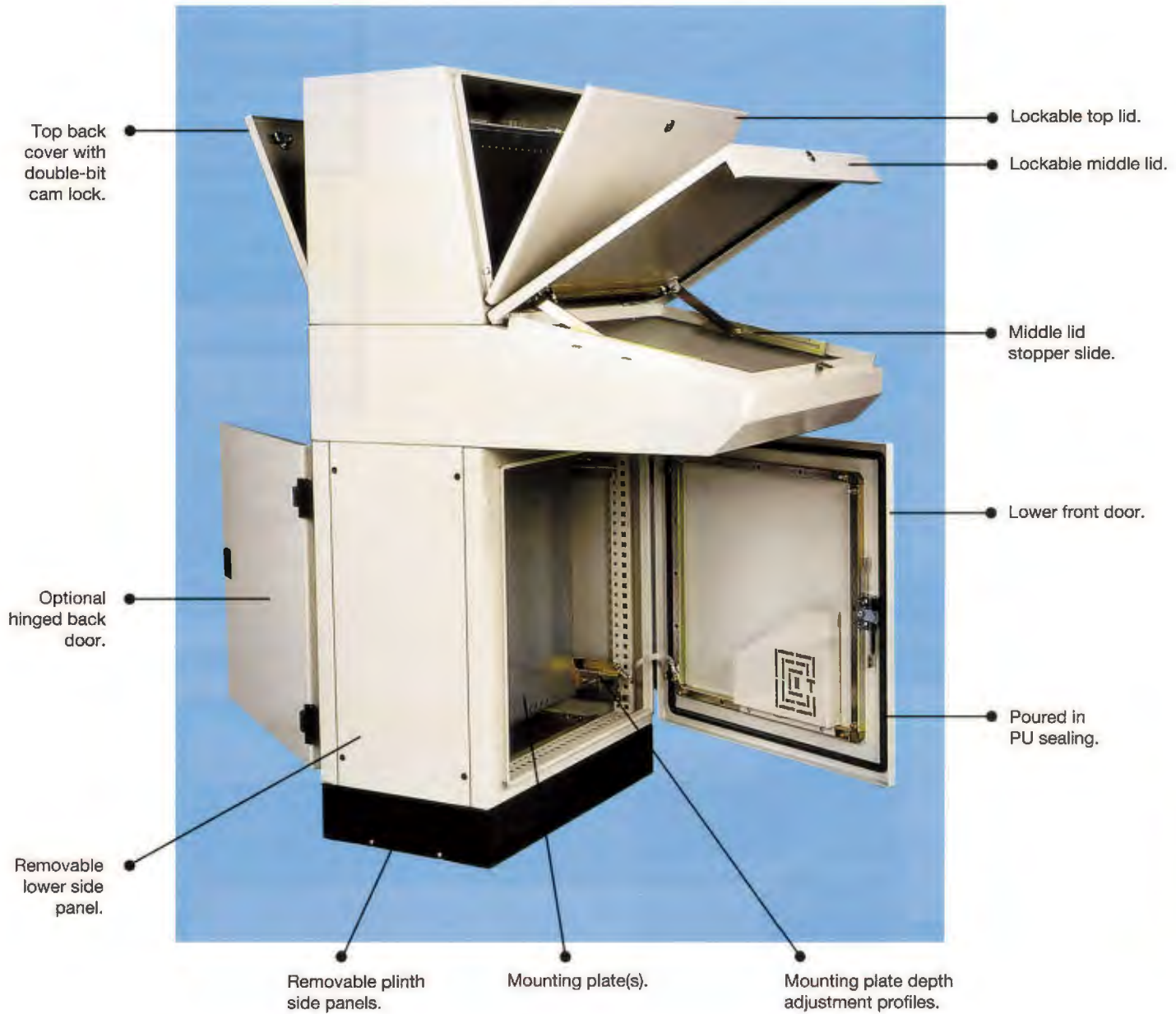
Characteristics :

- Sheet steel enclosure : 1.5 mm  
door : 2 mm  
mounting plate : 2 mm galvanized steel.
- Foamed-in door sealing gasket.
- IP 54 protection (TS 3033, EN 60529).
- Removable back door.
- Depth adjustable mounting plate.
- 150° opening front door.
- Top door stopper slide.
- Facility for double mounting plate.
- Powder coating (RAL 7032w).

On Request :

- Special colour.
- Special mounting plate.
- Special sizes.
- Pre-punching.







Width A (mm)	Height B (mm)	Depth C (mm)	Enclosures Reference No	Weight (kg)	Sizes					
					D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)
600	1320	400	PY 061340	68.6	495	265	380	280	350	812
800	1320	400	PY 081340	85.3	695	265	380	280	350	812
1200	1320	500	PY 121350*	122.2	1095	265	380	380	450	912

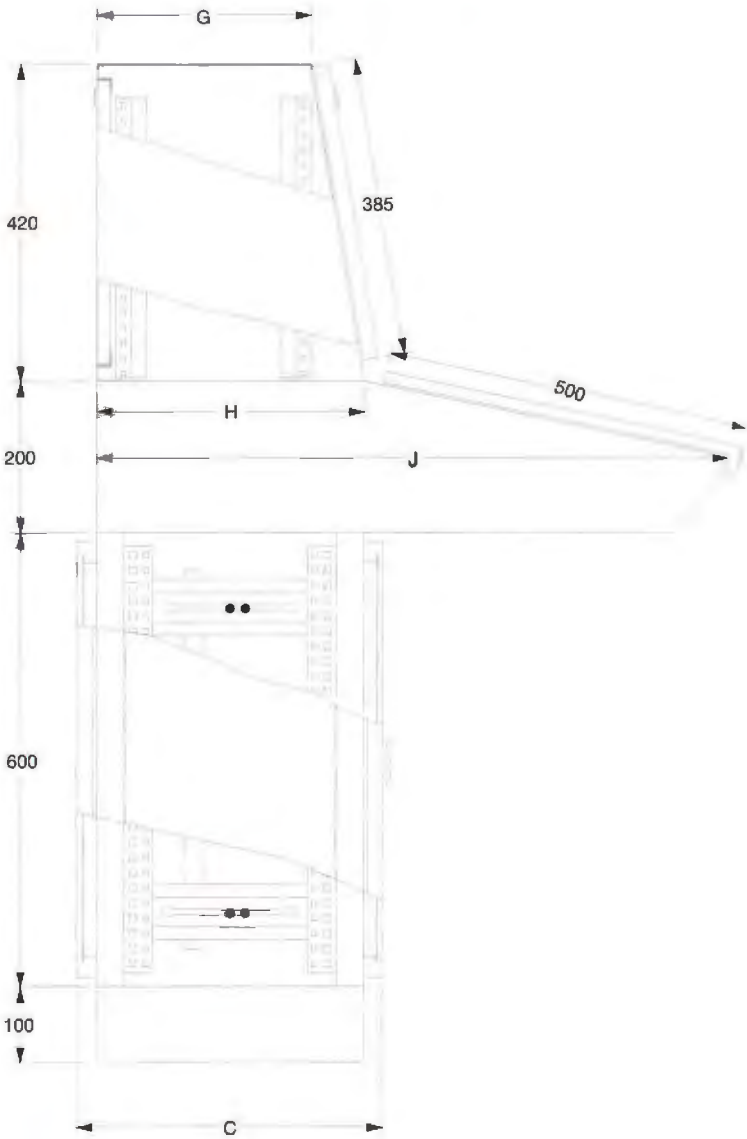
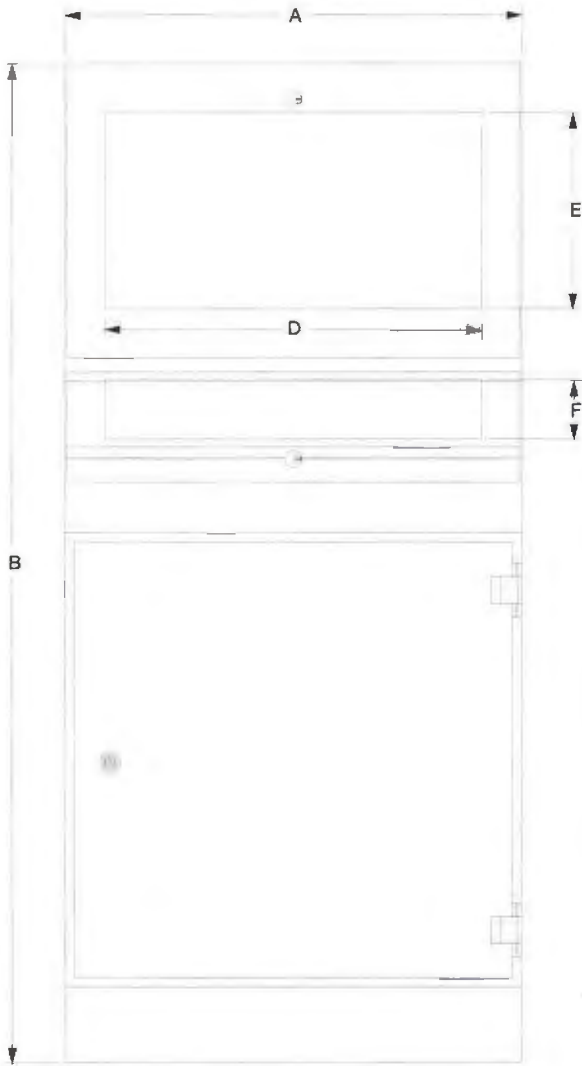
\* Double lower front door.

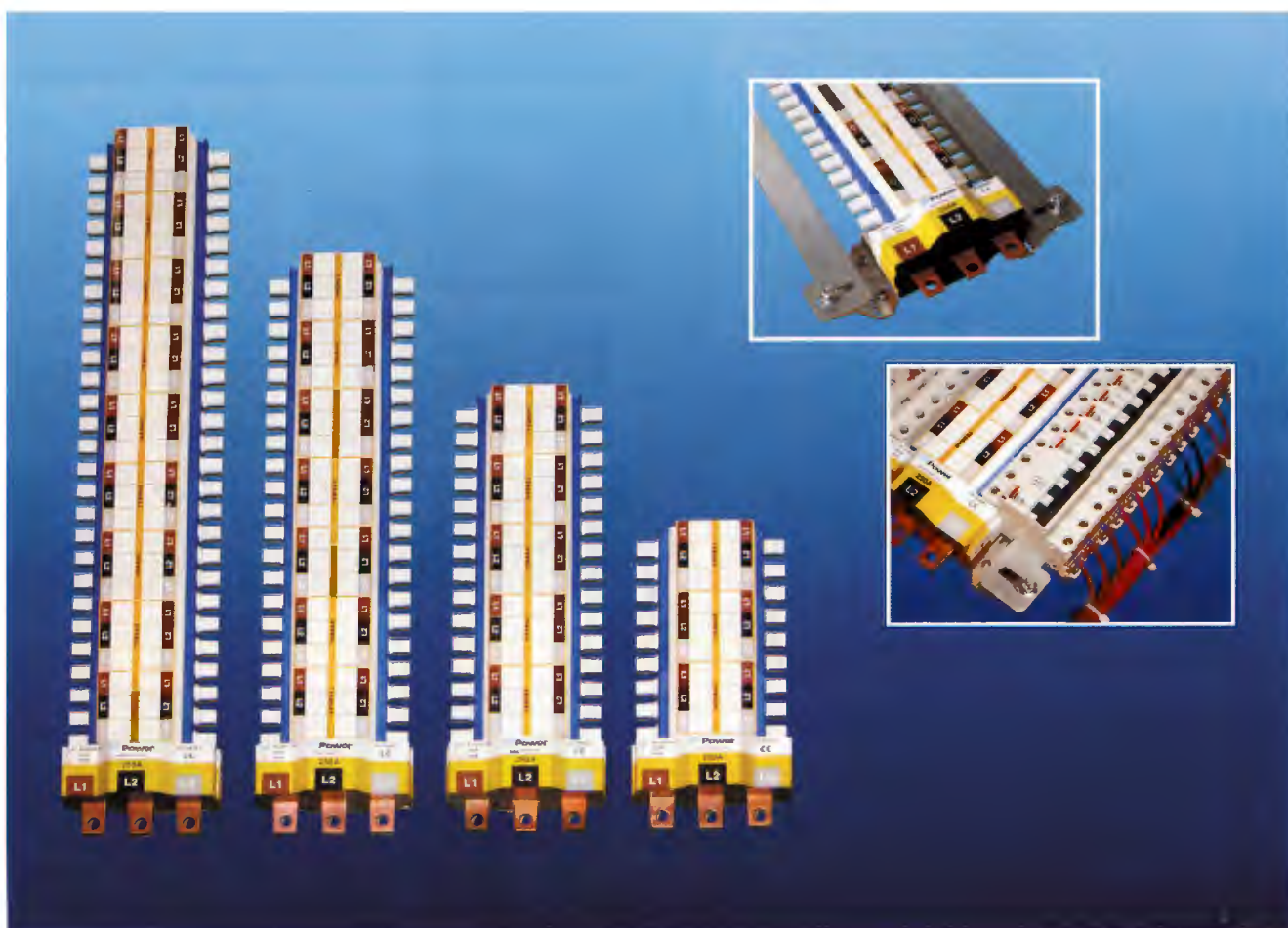
Characteristics :

- Sheet steel enclosure : 1.5 mm door : 2 mm mounting plate : 2 mm galvanized steel.
- Foamed-in door sealing gasket.
- IP 54 protection (TS 3033, EN 60529).
- Removable lower side panels.
- Removable back door.
- Depth adjustable mounting plate.
- Facility for double mounting plate.
- Powder coating (RAL 7032w).

On Request :

- Special colour.
- Special mounting plate.
- Special sizes.
- Pre-punching.





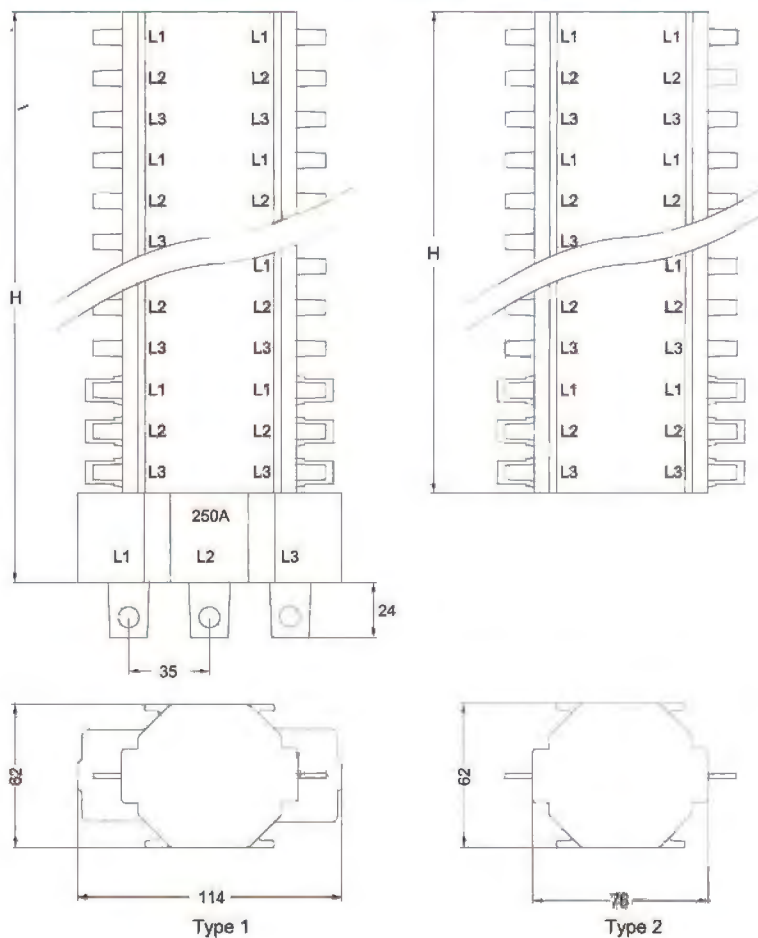


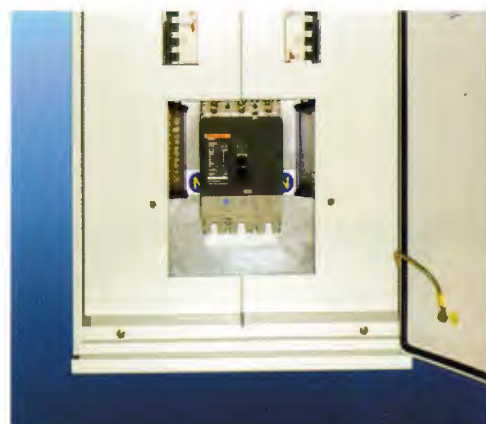
Incoming Current (A)	Pole	Outgoing Terminal Centres (mm)	Way	Busbar Reference No	H (mm)	Type	Mounting Kit Reference No
250	3	18	4	TT 04 18 2	148	1	TT BK 04 18
			6	TT 06 18 2	201	1	TT BK 06 18
			8	TT 08 18 2	255	1	TT BK 08 18
			10	TT 10 18 2	308	1	TT BK 10 18
			12	TT 12 18 2	361	1	TT BK 12 18
			14	TT 14 18 2	415	1	TT BK 14 18
			16	TT 16 18 2	468	1	TT BK 16 18
			18	TT 18 18 2	522	1	TT BK 18 18
			20	TT 20 18 2	575	1	TT BK 20 18
			22	TT 22 18 2	628	1	TT BK 22 18
			24	TT 24 18 2	682	1	TT BK 24 18

Incoming Current (A)	Pole	Outgoing Terminal Centres (mm)	Way	Busbar Reference No	H (mm)	Type	Mounting Kit Reference No
100	3	18	4	TTS 04 18 1	109	2	TTS BK 04 18
			6	TTS 06 18 1	162	2	TTS BK 06 18
			8	TTS 08 18 1	216	2	TTS BK 08 18
			10	TTS 10 18 1	269	2	TTS BK 10 18
			12	TTS 12 18 1	323	2	TTS BK 12 18
			14	TTS 14 18 1	376	2	TTS BK 14 18
			16	TTS 16 18 1	429	2	TTS BK 16 18
			18	TTS 18 18 1	483	2	TTS BK 18 18
			20	TTS 20 18 1	536	2	TTS BK 20 18
			22	TTS 22 18 1	590	2	TTS BK 22 18
			24	TTS 24 18 1	643	2	TTS BK 24 18

Characteristics :

- Fully insulated 250A 415VAC busbar system.
- Busbar short circuit withstand is ICMET certified 30kA for 1second conditional.
- Suitable for BSEN / EN / IEC 60439-1 form 1-4 switchboard construction.
- 18mm outgoing terminal centres for most major manufacturers standard (6A to 100A) MCB's.
- Incoming terminals are designed to accept 250A incoming interconnectors at 35 mm terminal centres.
- One piece copper construction.
- Maintenance free.
- Colour coding for all connections as standard.
- Shroud for spare / unused outgoing terminals.
- Tin plated options.







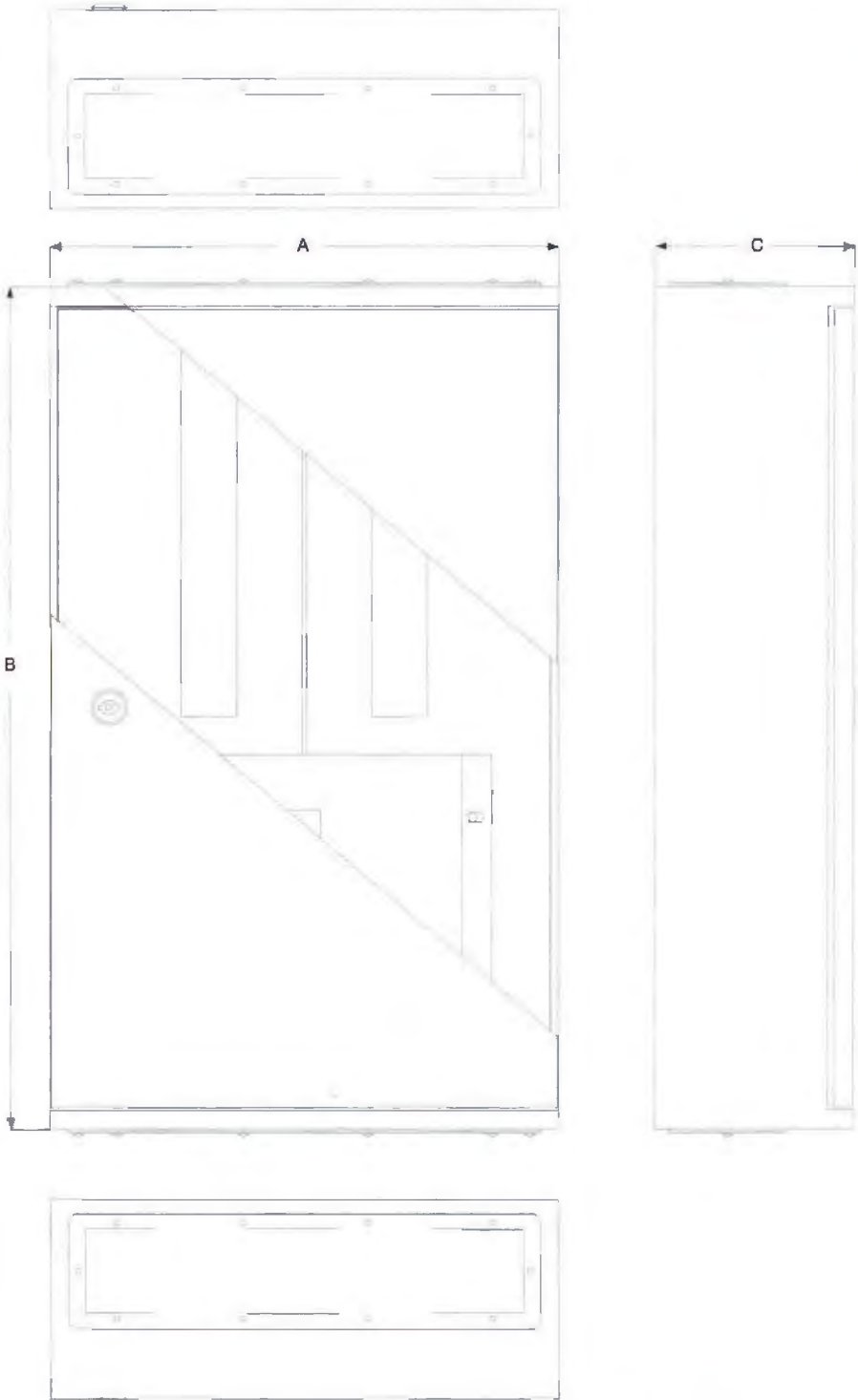
Incoming Current (A)	Pole	Outgoing Terminal Centres (mm)	Way	Distribution Board Reference No	Enclosure Sizes		
					Width A (mm)	Height B (mm)	Depth C (mm)
250	3	18	6	TDK06	420	623	165
			8	TDK08	420	623	165
			10	TDK10	420	730	165
			12	TDK12	420	730	165
			14	TDK14	420	837	165
			16	TDK16	420	837	165
			18	TDK18	420	944	165
			20	TDK20	420	944	165
			22	TDK22	420	1051	165
			24	TDK24	420	1051	165

Characteristics :

- Busbar (TEMBAR series) installed enclosure for ready to assembly (without main switch).
- Earth and shrouded neutral terminals.
- Adjustable fixing parts for most major manufacturers standard (6A to 100A) MCB's.
- Sheet steel enclosure, door and cover plates.
- Foamed-in door sealing gasket.
- Top and bottom gland plates.
- Lockable doors with 200° concealed hinges.
- Door can be left or right handed.
- Colour coding for all connections as standard.
- Powder coating (RAL 7035w).

On Request :

- Special colour.
- Special mounting plate.
- Special sizes.
- Glazed door.
- Pre-punching.



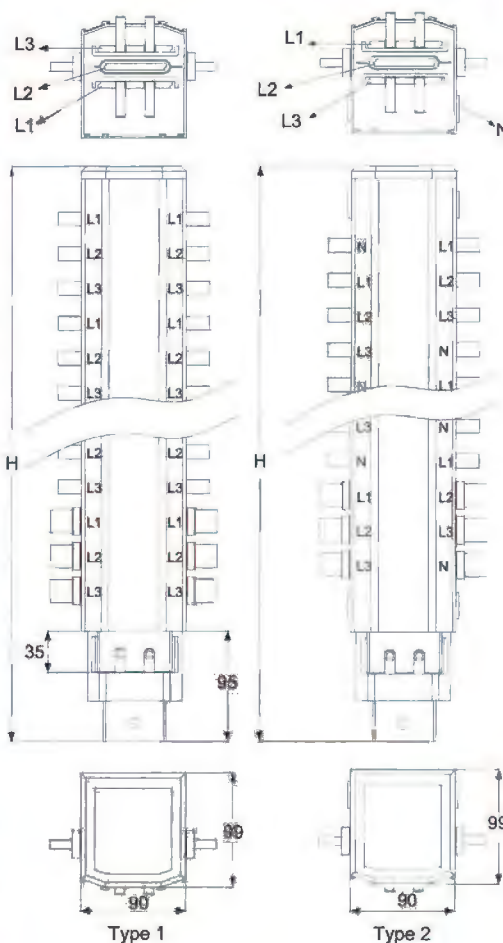




Incoming Current (A)	Pole	Outgoing Terminal Centres (mm)	Way	Busbar Reference No	H (mm)	Type	Mounting Kit Reference No
400	3	25	6	BT 06-25-4-X	389	1	BT BK 06-25
			8	BT 08-25-4-X	470	1	BT BK 08-25
			10	BT 10-25-4-X	551	1	BT BK 10-25
			12	BT 12-25-4-X	632	1	BT BK 12-25
		30	6	BT 06-30-4-X	415	1	BT BK 06-30
			8	BT 08-30-4-X	505	1	BT BK 08-30
			10	BT 10-30-4-X	595	1	BT BK 10-30
			12	BT 12-30-4-X	686	1	BT BK 12-30
		35	6	BT 06-35-4-X	456	1	BT BK 06-35
			8	BT 08-35-4-X	561	1	BT BK 08-35
			10	BT 10-35-4-X	666	1	BT BK 10-35
			12	BT 12-35-4-X	771	1	BT BK 12-35
	3+N	25	6	BM 06-25-4-X	508	2	BM BK 06-25
			8	BM 08-25-4-X	613	2	BM BK 08-25
			10	BM 10-25-4-X	718	2	BM BK 10-25
			12	BM 12-25-4-X	823	2	BM BK 12-25
		30	6	BM 06-30-4-X	551	2	BM BK 06-30
			8	BM 08-30-4-X	671	2	BM BK 08-30
			10	BM 10-30-4-X	791	2	BM BK 10-30
			12	BM 12-30-4-X	911	2	BM BK 12-30
		35	6	BM 06-35-4-X	607	2	BM BK 06-35
			8	BM 08-35-4-X	747	2	BM BK 08-35
			10	BM 10-35-4-X	887	2	BM BK 10-35
			12	BM 12-35-4-X	1027	2	BM BK 12-35
800	3	25	6	BT 06-25-8-X	389	1	BT BK 06-25
			8	BT 08-25-8-X	470	1	BT BK 08-25
			10	BT 10-25-8-X	551	1	BT BK 10-25
			12	BT 12-25-8-X	632	1	BT BK 12-25
		30	6	BT 06-30-8-X	415	1	BT BK 06-30
			8	BT 08-30-8-X	505	1	BT BK 08-30
			10	BT 10-30-8-X	595	1	BT BK 10-30
			12	BT 12-30-8-X	686	1	BT BK 12-30
		35	6	BT 06-35-8-X	456	1	BT BK 06-35
			8	BT 08-35-8-X	561	1	BT BK 08-35
			10	BT 10-35-8-X	666	1	BT BK 10-35
			12	BT 12-35-8-X	771	1	BT BK 12-35
	3+N	25	6	BM 06-25-8-X	508	2	BM BK 06-25
			8	BM 08-25-8-X	613	2	BM BK 08-25
			10	BM 10-25-8-X	718	2	BM BK 10-25
			12	BM 12-25-8-X	823	2	BM BK 12-25
		30	6	BM 06-30-8-X	551	2	BM BK 06-30
			8	BM 08-30-8-X	671	2	BM BK 08-30
			10	BM 10-30-8-X	791	2	BM BK 10-30
			12	BM 12-30-8-X	911	2	BM BK 12-30
		35	6	BM 06-35-8-X	607	2	BM BK 06-35
			8	BM 08-35-8-X	747	2	BM BK 08-35
			10	BM 10-35-8-X	887	2	BM BK 10-35
			12	BM 12-35-8-X	1027	2	BM BK 12-35

**Characteristics :**

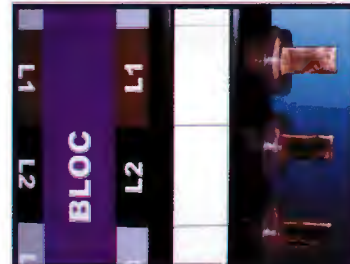
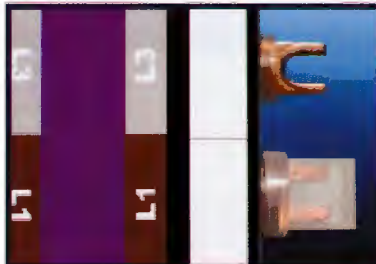
- Totally encapsulated, fully insulated 400A & 800A 415VAC busbar system.
- 800A system short circuit withstand is ASTA certified 50 kA for 1second unconditional.
- 400A system short circuit withstand is ASTA certified 40 kA for 1second unconditional.
- Suitable for BSEN / EN / IEC 60439-1 form 1-4 switchboard construction.
- 25, 30 and 35mm outgoing terminal centres for most major manufacturers MCCB's.
- Incoming terminals are designed to accept 800A incoming interconnectors.
- One piece copper construction.
- Maintenance free.
- Colour coding for all connections as standard.
- Shroud for spare / unused outgoing terminals.
- Tin plated options.



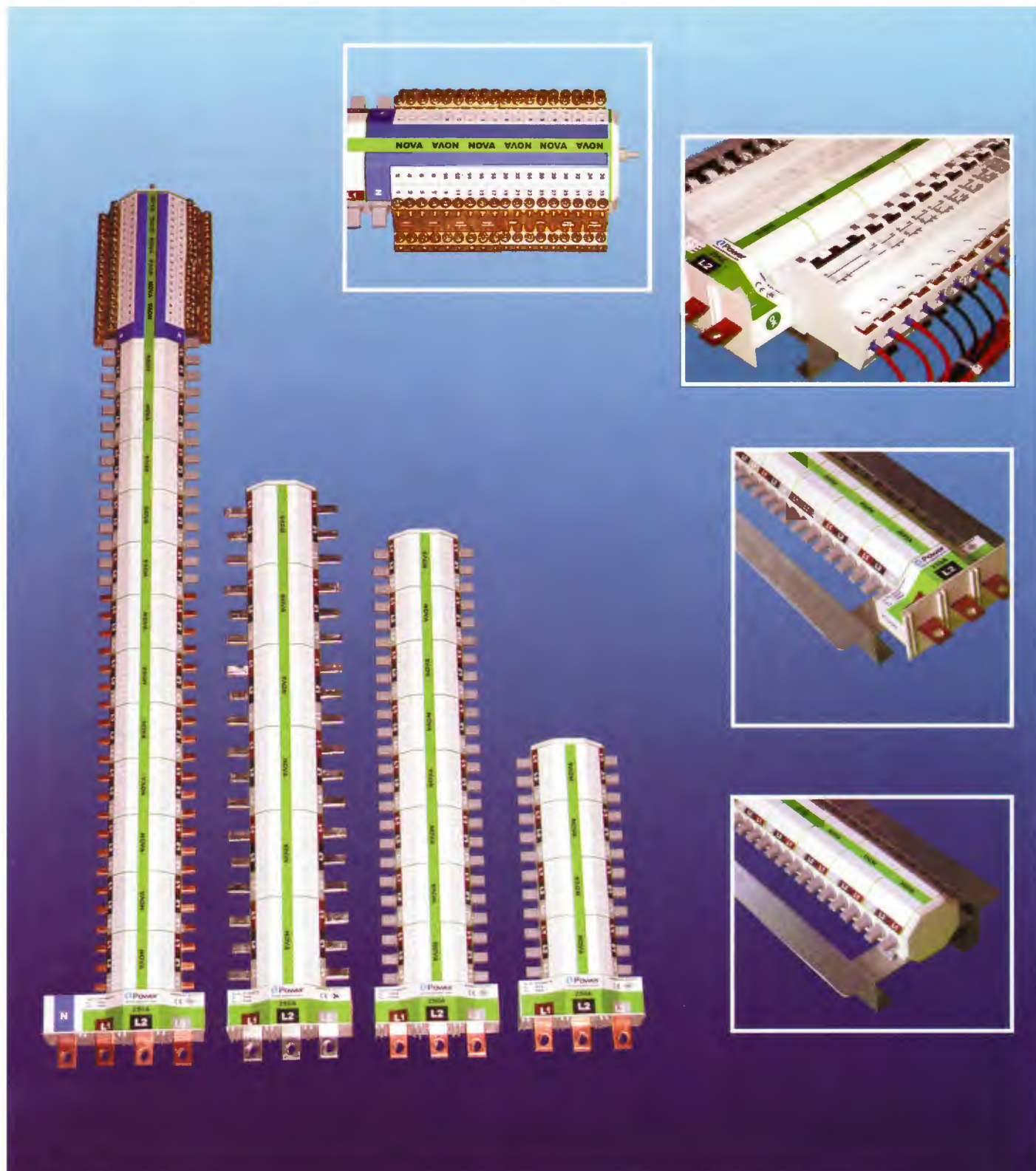
**DISTRIBUTION SYSTEMS**

X; H: Type Terminal

N: Type Terminal









Incoming Current (A)	Pole	Outgoing Terminal Centres (mm)	Way	Busbar Reference No	Sizes		Type	Mounting Kit Reference No
					H (mm)	N (mm)		
250	3	18	8	VT 08 18 2	262	-	1	VT BK 08 18
			12	VT 12 18 2	370	-	1	VT BK 12 18
			16	VT 16 18 2	478	-	1	VT BK 16 18
			24	VT 24 18 2	694	-	1	VT BK 24 18
		25	4	VT 04 25 2	207	-	1	VT BK 04 25
			6	VT 06 25 2	287	-	1	VT BK 06 25
			8	VT 08 25 2	368	-	1	VT BK 08 25
			12	VT 12 25 2	529	-	1	VT BK 12 25
	3+N	18	8	VTN 08 18 2	333	54	2	VTN BK 08 18
			12	VTN 12 18 2	459	72	2	VTN BK 12 18
			16	VTN 16 18 2	603	108	2	VTN BK 16 18
			24	VTN 24 18 2	855	144	2	VTN BK 24 18
		25	8	VTN 08 25 2	500	106	2	VTN BK 08 25
			12	VTN 12 25 2	662	106	2	VTN BK 12 25

Characteristics :

- Totally encapsulated, fully insulated 250A 415VAC busbar system.
- Busbar short circuit withstand is ASTA certified 60 kA for 1second conditional.
- Suitable for BSEN / EN / IEC 60439-1 form 1-4 switchboard construction.
- 18mm and 25mm outgoing terminal centres for most major manufacturers (6A to 100A) MCB's.
- Incoming terminals are designed to accept 250A incoming interconnectors at 35mm terminal centres.
- One piece copper construction.
- Maintenance free.
- Colour coding for all connections as standard.
- Shroud for spare / unused outgoing terminals.
- Tin plated options.

