



THAI SWITCHBOARD AND METAL WORK CO., LTD.



ME

SERIES CATALOG

INNOVATIVE TECHNOLOGY
SUPERIOR QUALITY
COMPETITIVE PRODUCT PRICE



WWW.TAMCO.CO.TH



ME SERIES

MODULAR FREE-STANDING ENCLOSURE

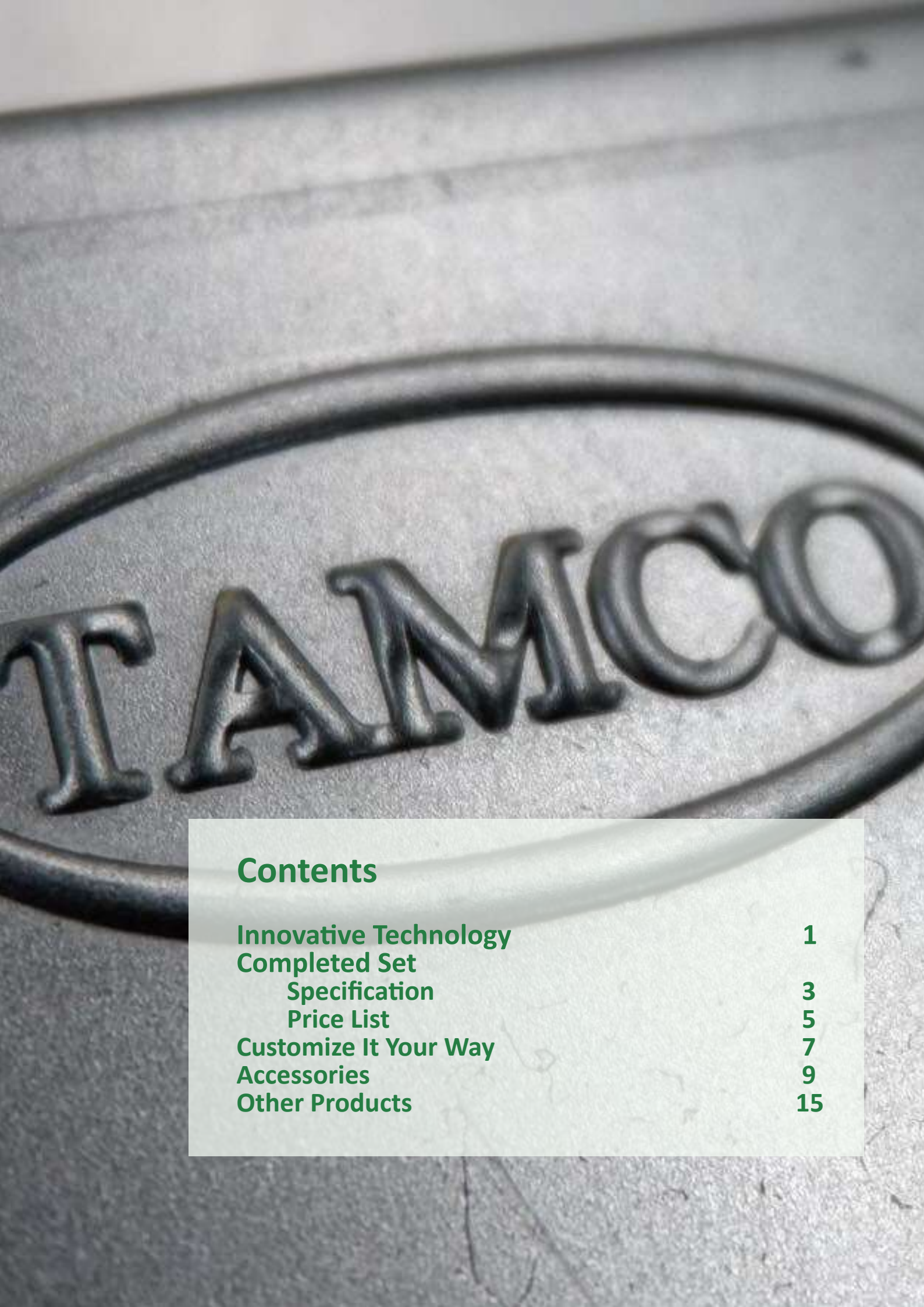


What is ME Series?

Modular Free-standing Enclosure Series (also called ME Series) is a knock-down main distribution board with flexible solutions. The protection category of this enclosure is IP55, which is suitable for both indoor and outdoor uses.

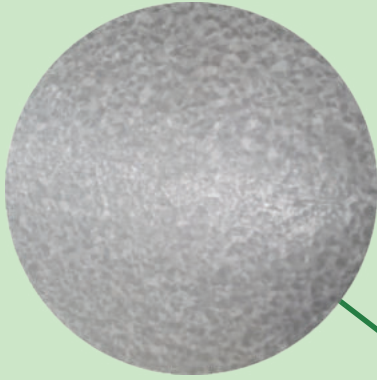
ตู้ตั้งพื้นนอกประสงค์

เป็นตู้จ่ายกระแสไฟฟ้าแบบน็อคดาวน์ที่ออกแบบมาเพื่อตอบสนองความต้องการที่หลากหลายของลูกค้า สามารถกันฝุ่นและละอองน้ำได้ในระดับ IP55 ซึ่งสามารถใช้ติดตั้งได้ทั้งภายในอาคารและภายนอกอาคาร



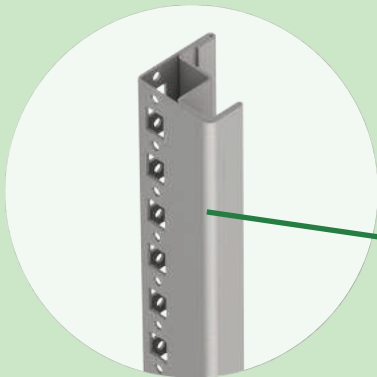
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Aluminium-Zinc Steel as Mounting Plate

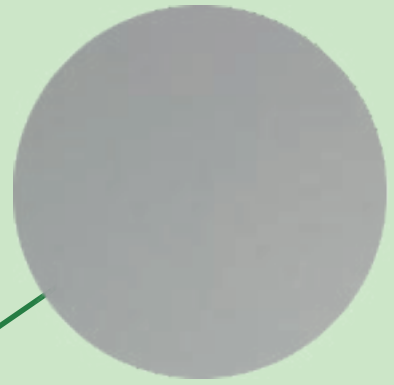
- Aluminium-zinc steel - with its mixture of Aluminium, Zinc and Silicon, it gives superior long term corrosion resistance.
- Ease of electrical components installation.



Strong Structure - Double Bend Rolling Frame

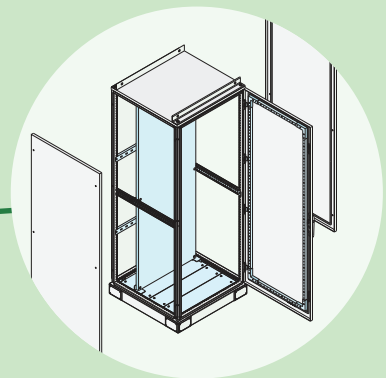
- By using roll forming method, it strengthens the enclosure frame to be able to support the heavyweight of the busbar and electrical components.





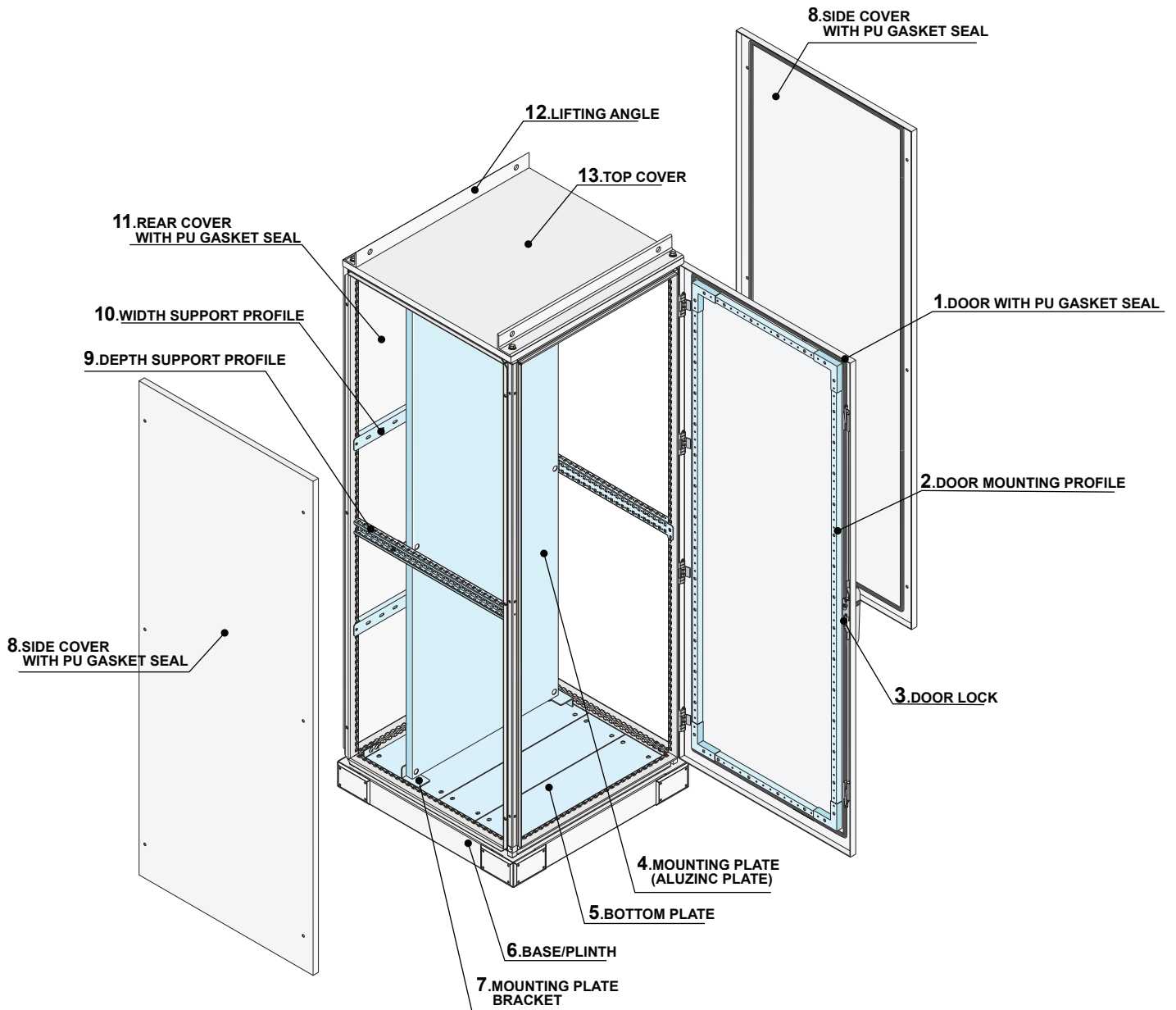
Electro-Galvanized Steel

- Provides higher corrosion resistance and higher performance.
- Long life - the life expectancy of electro-galvanized steel is around 20-30 years.



Flexibility

- With modular free-standing design, ME Series gives the flexibility to adjust and add accessories as per customer's requirements.



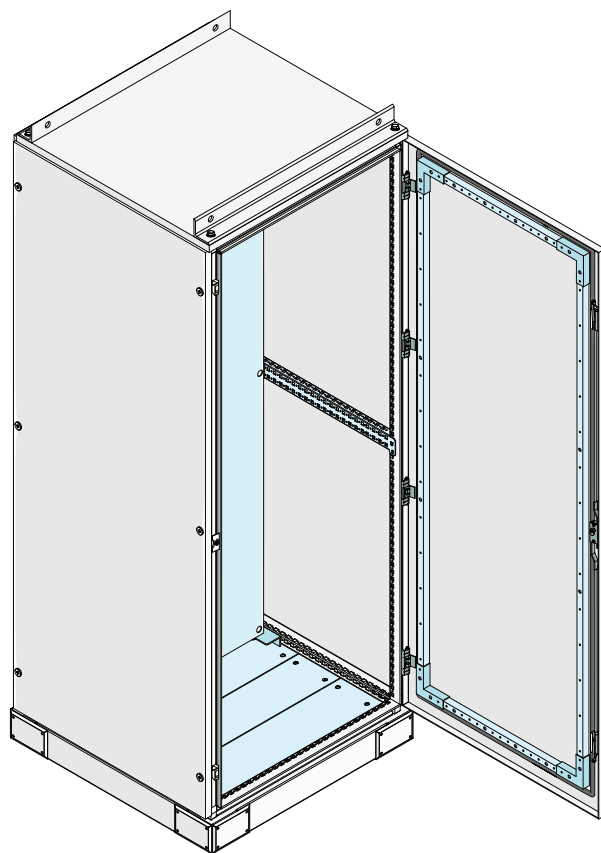
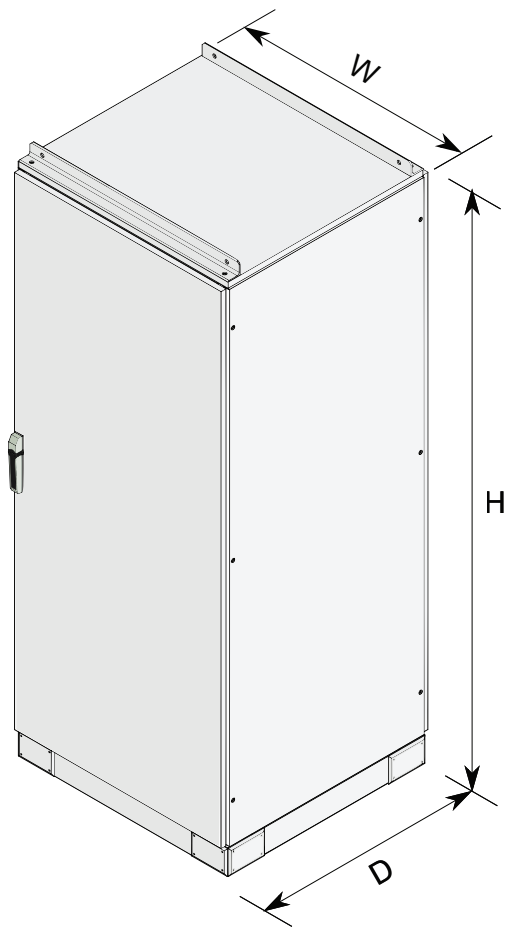


Specification

Material	Steel Sheet	Electro-Galvanized Steel (EG)				Aluminium-Zinc Coated Steel (Aluzinc)	
Thickness (mm.)	Enclosure Frame (folded profile)	Rear and Side Cover	Door	Base Plinth		Mounting Plate	Bottom Plate
				Corner	Side Plate		
	1.5	1.5	2.0	3.0	2.0	2.0	1.5
Finished Surface	Polyester powder coated with UV Protection paint RAL 7035					Aluminium-Zinc Coated Steel (Aluzinc)	
Protection Rating	IP55						
On Request (Option)	Special sizes/ Special color/ Pre-punching						

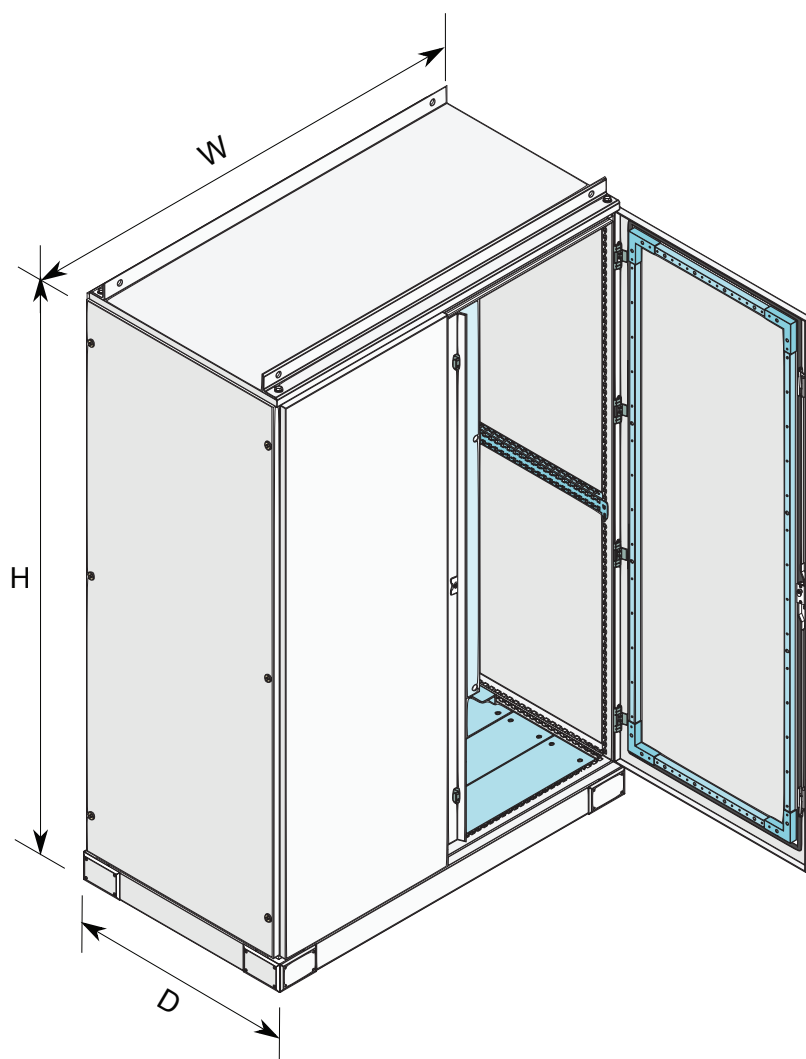
Supply includes

1. Door with PU gasket seal
2. Door mounting profile
3. Door lock
4. Mounting plate (Aluzinc plate)
5. Bottom plates
6. Base/Plinth
7. Mounting plate brackets
8. Side covers with PU gasket seal
9. Depth support profiles
10. Width support profiles
11. Rear cover with PU gasket seal
12. Lifting angle
13. Top cover



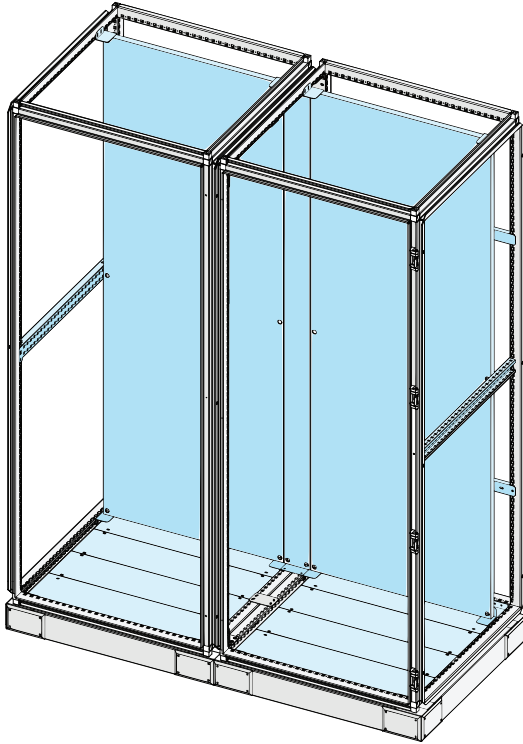
Single Door

รุ่น Model	ขนาดตู้ Enclosure Dimension (mm.)			เพลทยึดอุปกรณ์ Mounting Plate (Aluzinc Plate)		น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1		
ME06.21.04	600	2100	400	495	1906	130
ME06.21.06	600	2100	600	495	1906	150
ME08.21.06	800	2100	600	695	1906	170
ME08.21.08	800	2100	800	695	1906	190



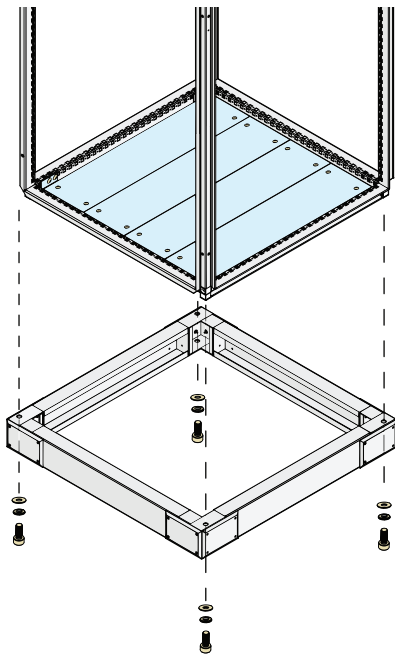
Double Door

รุ่น Model	ขนาดตู้ Enclosure Dimension (mm.)			เพลทยึดอุปกรณ์ Mounting Plate (Aluzinc Plate)		น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1		
ME12.21.04	1200	2100	400	1090	1906	240
ME12.21.06	1200	2100	600	1090	1906	260
ME12.21.08	1200	2100	800	1090	1906	280



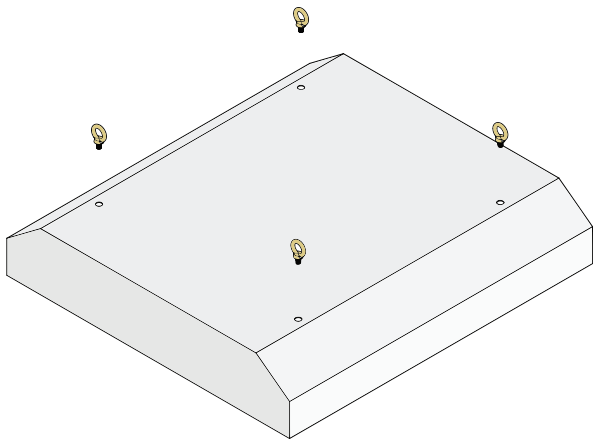
Enclosure extension.

- Enclosure frame
- Door
- Removable side cover, rear cover, and top cover



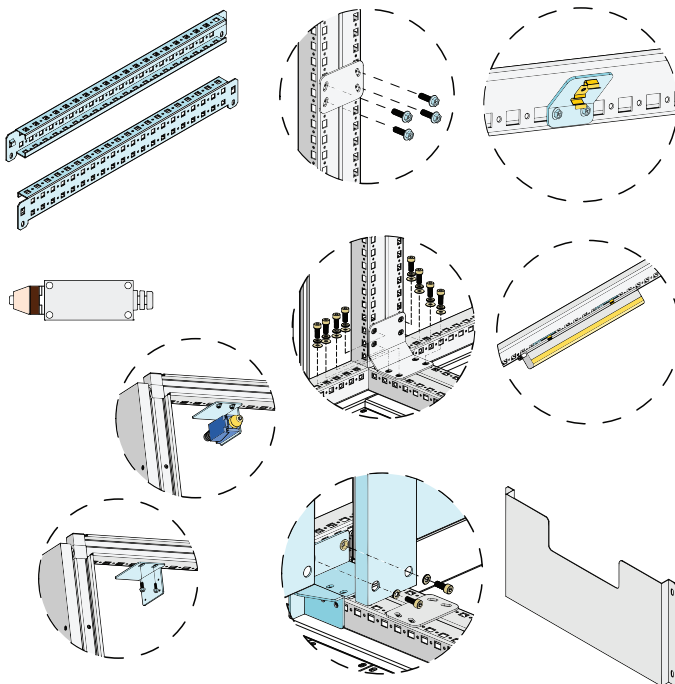
Add-on base to suit customer's requirement.

- H = 100 mm.
- H = 200 mm.

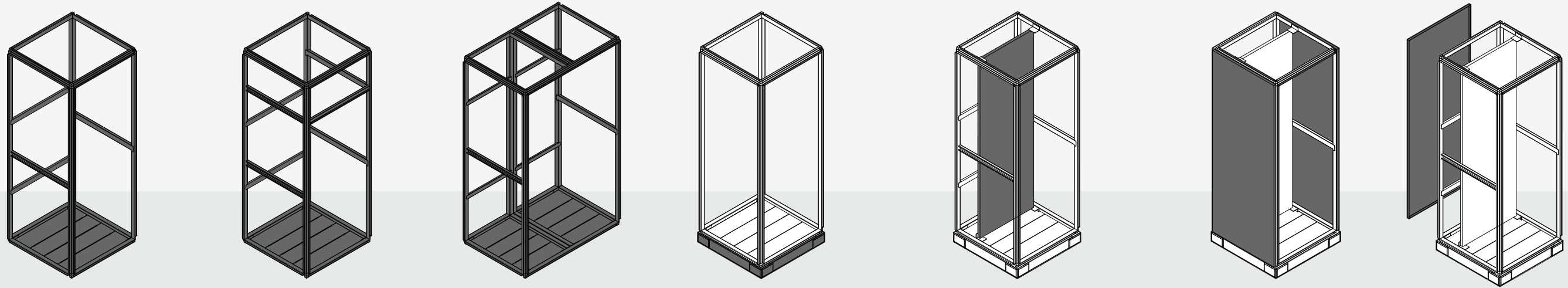


Add-on roof for outdoor uses.

Add-on accessories as per customer's requirement.



- Lifting angle / Eye bolt
- Mounting plate
- Depth support profiles
- Width support profiles
- Document pocket
- Bracket
- Door profile
- Support profile
- Door stopper
- Lighting system



			Enclosure frame type 1	Enclosure frame type 2	Enclosure frame type 3	Base / Plinth		Mounting Plate				Side Cover		Rear Cover	
Width (W)	Height (H)	Depth (D)	Single door Model No.	Partial door Model No.	Double door Model No.	100 mm height Model No.	200 mm height Model No.	Full size for frame type 1 Model No.	Partial for frame type 2 Model No.	Full size for frame type 3 Model No.		Full size Model No.	Ventilation holes Model No.	Full size Model No.	Ventilation holes Model No.
600	2000	400	MF-062004	MF-P-062004	-	B100-0604	B200-0604	P-06	PP-T-06	PP-B-06	-	SC-04	SC-V-04	RC-06	RC-V-06
600	2000	600	MF-062006	MF-P-062006	-	B100-0606	B200-0606	P-06	PP-T-06	PP-B-06	-	SC-06	SC-V-06	RC-06	RC-V-06
800	2000	600	MF-082006	MF-P-082006	-	B100-0806	B200-0806	P-08	PP-T-08	PP-B-08	-	SC-06	SC-V-06	RC-08	RC-V-08
800	2000	800	MF-082008	MF-P-082008	-	B100-0808	B200-0808	P-08	PP-T-08	PP-B-08	-	SC-08	SC-V-08	RC-08	RC-V-08
1200	2000	400	-	-	MF-122004	B100-1204	B200-1204	-	-	P2-12		SC-04	SC-V-04	RC-06	2 pc(s). RC-V-06 2 pc(s).
1200	2000	600	-	-	MF-122006	B100-1206	B200-1206	-	-	P2-12		SC-06	SC-V-06	RC-06	2 pc(s). RC-V-06 2 pc(s).
1200	2000	800	-	-	MF-122008	B100-1208	B200-1208	-	-	P2-12		SC-08	SC-V-08	RC-06	2 pc(s). RC-V-06 2 pc(s).

Specification

Material:

- Enclosure frame: Steel sheet, 1.5mm., folded profile
- Depth support: Aluminium zinc coated steel sheet, 2.0mm.
- Width support at rear: Aluminium zinc coated steel sheet, 1.5mm.
- Bottom plate: Aluminium zinc coated steel sheet, 1.5mm.

Finished surface:

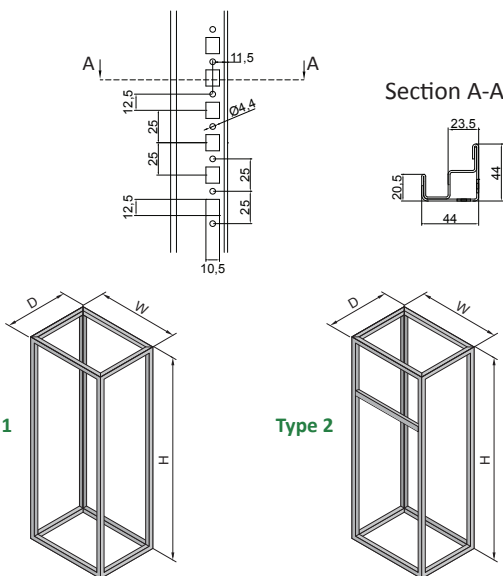
- Enclosure frame: Polyester powder coated in RAL7035
- Depth support: Aluminium zinc coated steel
- Width support at rear: Aluminium zinc coated steel
- Bottom plate: Aluminium zinc coated steel

Supply includes:

- 1 Set of enclosure frame
- 2 pc(s) of depth support profile
- 2 pc(s) of width support profile
- 4 pc(s) of bottom plate
- Assembly parts

Technical details :

– Profile



Material:

- Base corner: Steel sheet, 3.0mm.
- Base width and depth: Electro-galvanized steel, 2.0mm.

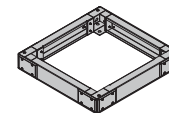
Finished surface:

- Base corner: Polyester powder coated in RAL7035
- Corner base cover: Polyester powder coated in RAL7035

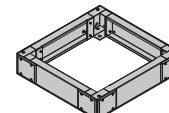
Supply includes:

- 4 pc(s) of base corner
- 2 pc(s) of base width
- 2 pc(s) of base depth
- 8 pc(s) of corner cover
- Assembly parts

100 mm height



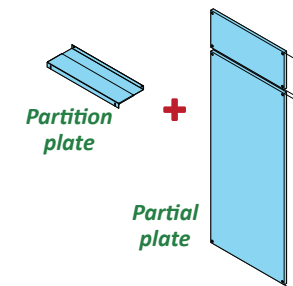
200 mm height



– Mounting plate: Aluminium zinc coated steel, 2.0mm.

– Mounting plate: Aluminium zinc coated steel

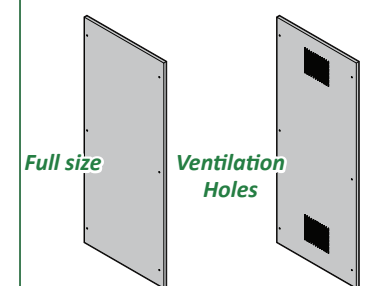
- 1 pc(s) of partition plate-A (for partial door)
- 1 pc(s) of partition plate-B (for partial door)
- Assembly parts



– Side cover: Electro-galvanized steel, 1.5mm.

– Side cover: Polyester powder coated in RAL7035

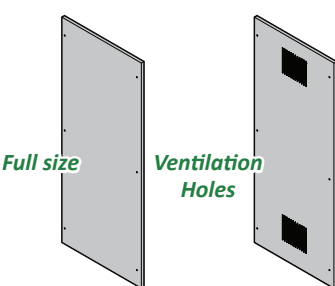
– Assembly parts

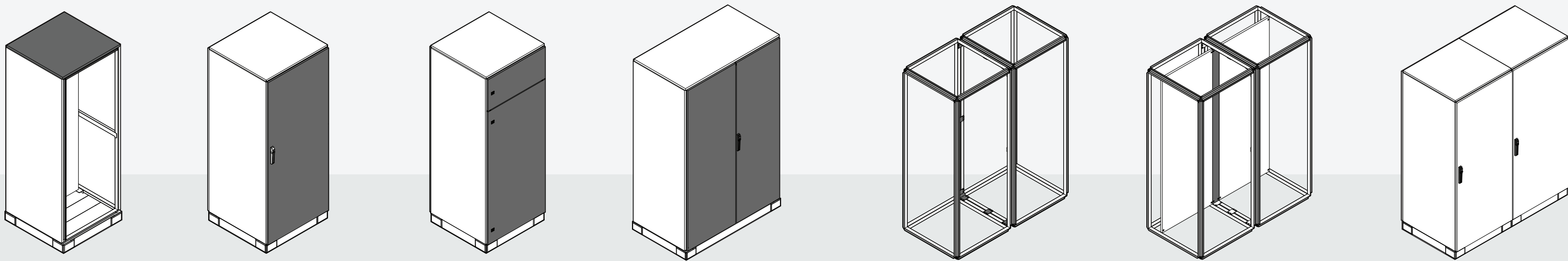


– Rear cover: Electro-galvanized steel, 1.5mm.

– Rear cover: Polyester powder coated in RAL7035

– Assembly parts

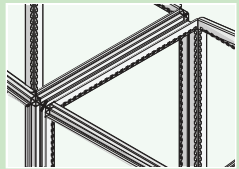
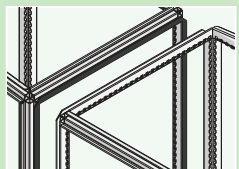
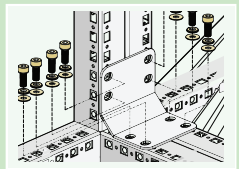
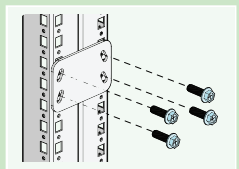
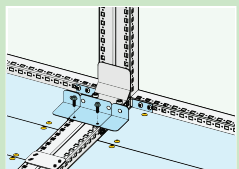
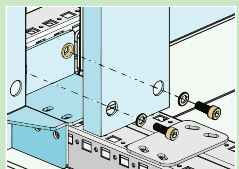




Top Cover		Single Door		Partial Door		Double Door	
Full size	for connector cut-outs	Full door for frame type 1	Door with glass for frame type 1	Top door for frame type 2	Bottom door for frame type 2	Left door for frame type 3	Right door for frame type 3
Model No.		Model No.		Model No.		Model No.	
TC-0604	TC-C-0604	D-06	DG-06	PD-T-06	PD-B-06	-	-
TC-0606	TC-C-0606	D-06	DG-06	PD-T-06	PD-B-06	-	-
TC-0806	TC-C-0806	D-08	DG-08	PD-T-08	PD-B-08	-	-
TC-0808	TC-C-0808	D-08	DG-08	PD-T-08	PD-B-08	-	-
TC-1204	TC-C-1204	-	-	-	-	ME-D-L-1220	ME-D-R-1220
TC-1206	TC-C-1206	-	-	-	-	ME-D-L-1220	ME-D-R-1220
TC-1208	TC-C-1208	-	-	-	-	ME-D-L-1220	ME-D-R-1220

– Top cover: Electro-galvanized steel, 1.5mm. – Top cover: Polyester powder coated in RAL7035 – Cover plate (for cut-outs) – Assembly parts 	– Door: Electro-galvanized steel, 2.0mm. – Viewing window: Glass, 5.0mm. – Door: Polyester powder coated in RAL7035 – 4 pc(s) of 110° hinges – 1 pc(s) of silver rod control lock – Assembly parts 	– Partial door (top): Electro-galvanized steel, 2.0mm. – Partial door (bottom): Electro-galvanized steel, 2.0mm. – Partial door (top): Polyester powder coated in RAL7035 – Partial door (bottom): Polyester powder coated in RAL7035 – 5 pc(s) of 110° hinges – 3 pc(s) of black square cylinder lock – Assembly parts 	– Door (left): Electro-galvanized steel, 2.0mm. – Door (right): Electro-galvanized steel, 2.0mm. – Door (left): Polyester powder coated in RAL7035 – Door (right): Polyester powder coated in RAL7035 – 8 pc(s) of 110° hinges – 1 pc(s) of silver rod control lock with handle lock – Assembly parts
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Connector accessories set



Mounting plate infill & Brackets

For a continuous mounting surface between connecting enclosure.

Material

- Aluminium zinc coated steel, 2.0mm.

Supply includes

- Assembly screws

For enclosure frame: Height (mm.)	Pack of	Model No.
2000	1 set	MF-01

Note:

- 1 set consists of 1 piece of mounting plate infill and 3 pieces of the bracket.

Bracket for connecting enclosure

For all-round installation on the baying joint flexible position to avoid collisions with installed equipment.

Material

- Steel sheet, 3.0mm.

Finished surface

- Polyester powder coated in RAL7035

Supply includes

- Assembly screws

Description	Pack of	Model No.
Flat Bracket	6 pc (s).	FB-01
Angle Bracket	4 pc (s).	AB-01

Note:

- 1 pack is sufficient for one baying joint.

Rubber foam seal strip gasket

A waterproof seal strip for connecting the enclosure.

Material

- EVA rubber, 3.0mm.

For enclosure frame: Depth (mm.)	Pack of	Model No.
400	5.0m.	R-T3-04
600	5.5m.	R-T3-06
800	6.0m.	R-T3-08

Note:

- 1 pack is for 1 connecting side.

Depth support profiles

For variable, individual interior installation of the enclosure frame at depth section.

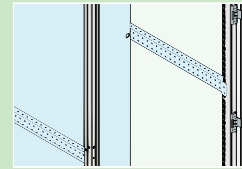
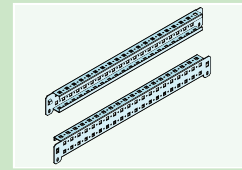
Material

- Aluminium zinc coated steel, 2.0mm.

Supply includes

- Assembly screws

For enclosure frame: Depth (mm.)	Pack of	Model No.
400	2 pc (s).	DCP-04
600	2 pc (s).	DCP-06
800	2 pc (s).	DCP-08



Width support profiles

For variable, individual interior installation of the enclosure frame at rear section.

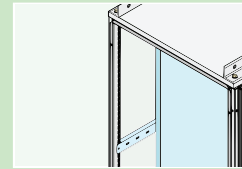
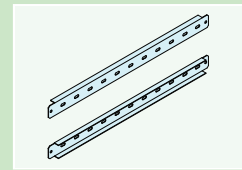
Material

- Aluminium zinc coated steel, 1.5mm.

Supply includes

- Assembly screws

For enclosure frame: Width (mm.)	Pack of	Model No.
600	1 pc (s).	WCP-06
800	1 pc (s).	WCP-08



Door profile

For component installation or cable support behind the front door.

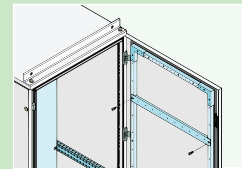
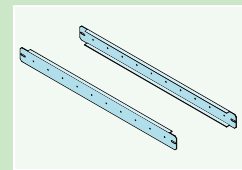
Material

- Aluminium zinc coated steel, 1.5mm.

Supply includes

- Assembly screws

For door: Width (mm.)	Pack of	Model No.
600	1 pc (s).	DR-06
800	1 pc (s).	DR-08



Document pocket

For document holder inside the panel, fastened to the door frame at any height.

Material

- Electro-galvanized steel, 1.5mm.

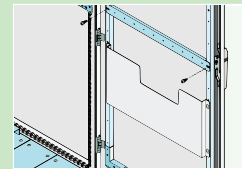
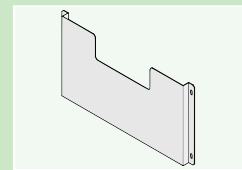
Finished surface

- Polyester powder coated in RAL7035

Supply includes

- Assembly screws

For door Width (mm.)	Pack of	Model No.
600	1 pc (s).	DP-06
800	1 pc (s).	DP-08



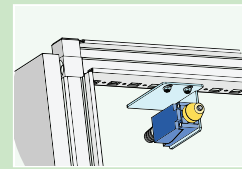
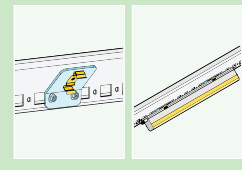
LED system

Panel lighting system

Supply includes

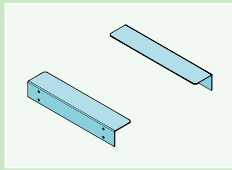
- Assembly screws
- Bracket light
- Bracket switch light

Description	Pack of	Model No.
Panel light LED type 220V-50Hz 3.4W	1 pc (s).	LED-T3
Door switch for light control, 220V-It=10A	1 pc (s).	DSW-01



Equipment

- Panel light (Phillips BN058C):** LED type quick and easy installation to enclosure frame lightweight color temp 3000K 90 lumen, can be connected in series for increasing light lumen, lifetime 15,000 Hr.
- Door operated switch (Omron D4MC5000):** For panel light control or signal to other system when door opens.



Busbar Bracket Support

For busbar installation

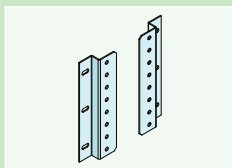
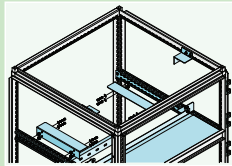
Material

- Aluminium zinc coated steel, 2.0mm.

Supply includes

- Assembly screws

Pack of	Model No.
2 pc (s).	BM-275
2 pc (s).	BM-375



Ground bar bracket

For grounding bar installation

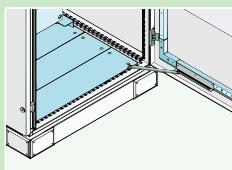
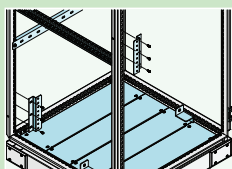
Material

- Aluminium zinc coated steel, 2.0mm.

Supply includes

- Assembly screws

Pack of	Model No.
2 pc (s).	GB-01



Door stopper

For door stop, latching mechanical

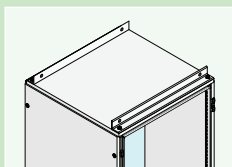
Material

- Galvanized steel

Supply includes

- Assembly screws

Pack of	Model No.
1 pc (s).	DS-01



Lifting angle

For transporting by crane, or in the case of bayed enclosure suites, combined with the combination angle.

Material

- Angle iron, 5mm.

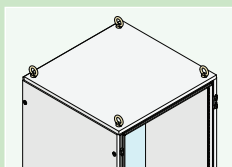
Finished surface

- Angle iron: Polyester powder coated in RAL7035

Supply includes

- Assembly screws

For enclosure frame: Width (mm.)	Pack of	Model No.
600	2 pc (s).	LA-06
800	2 pc (s).	LA-08
1200	2 pc (s).	LA-12



Eye bolts

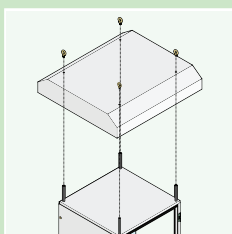
For transporting by crane

Thread: M12

Supply includes

- 4 pc(s) of Eye bolts

Material	Pack of	Model No.
Steel (Yellow zinc coated)	4 pc (s).	EB-M12-YZ
Stainless steel (SS304)	4 pc (s).	EB-M12-STL



Roof

For outdoor application.

Material

- Steel sheet, 1.5mm.

Finished surface

- Polyester powder coated in RAL7035

Supply includes

- 4 pc(s). Boot for support roof

For enclosure frame: Width x Depth (mm.)	Pack of	Model No.
600 x 400	1 set	R-0604
600 x 600	1 set	R-0606
800 x 600	1 set	R-0806
800 x 800	1 set	R-0808
1200 x 400	1 set	R-1204
1200 x 600	1 set	R-1206
1200 x 800	1 set	R-1208

ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description	ราคาต่อหน่วย Unit Price
	กุญแจเหลี่ยม TAMCO (TAMCO Square Cylinder Lock) Model: TAMLSQ-001 Material and finish: zinc alloy chromed handle and housing, steel cam Application: cam quarter-turn to open or close, with function of locking IP Rating: IP55	110.00 Baht
	กุญแจเหลี่ยมสีดำ (Black Square Cylinder Lock) Model: TAMLSQ-004 Material and finish: black powder coated ZDC housing and insert, white zinc plated steel cam Application: cam quarter-turn to open or close, with function of locking (Double Bit Lock) IP Rating: IP54	300.00 Baht
	กุญแจกลมสีดำ (Black Round Cylinder Lock) Model: TAMLRD-002 Material and finish: black coated zinc alloy housing, and white zinc plated steel cam Application: cam quarter-turn for opening or closing IP Rating: IP65	250.00 Baht
	กุญแจกลม (Silver Round Cylinder Lock) Model: TAMLRD-003 Material and finish: zinc alloy chromed, steel cam Application: cam quarter-turn for opening or closing IP Rating: IP65	110.00 Baht
	กุญแจกลมสีดำ (Black Round Cylinder Lock) Model: TAMLRD-004 Material and finish: black coated zinc alloy housing and white zinc plated steel cam Application: cam quarter-turn for opening or closing IP Rating: IP54	150.00 Baht
	กุญแจคอนโทรลสีเงิน ขนาดเล็ก (Small-Sized Silver Control Lock) Model: TAMLSW-006 Material and finish: silver coated with zinc alloy housing Application: handle quarter-turn to open or close IP Rating: IP40	250.00 Baht

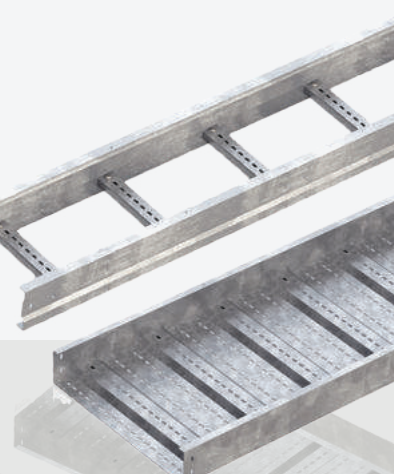
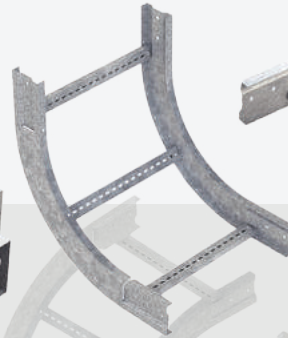
ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description	ราคาต่อหน่วย Unit Price
	กุญแจคอนโทรลสีดำ ขนาดเล็ก (Small-Sized Black Control Lock) Model: TAMLSW-007 Material and finish: black coated with zinc alloy housing Application: handle quarter-turn to open or close IP Rating: IP40	250.00 Baht
	กุญแจคอนโทรลสีดำ (Black Control Lock) Model: TAMLSW-035 Material and finish: zinc die housing, Black powder coated Application: handle quarter-turn combines with rod latch system to open or close IP Rating: IP65	1,200.00 Baht
	กุญแจคอนโทรลสีเงิน ขนาดใหญ่ (Big-Sized Silver Control Lock) Model: TAMLSW-022 Material and finish: silver coated with zinc alloy housing Application: handle quarter-turn to open or close IP Rating: IP40	700.00 Baht
	กุญแจคอนโทรลสีเหลืองเทา (Yellow-Gray Rod Control Lock) Model: TAMLSW-026 Material and finish: yellow gray powder coated ZDC housing, black powder coated ZDC handle and button, white zinc plated steel cam and rod latch Application: handle quarter-turn combines with rod latch system to open or close IP Rating: IP40	2,000.00 Baht
	กุญแจคอนโทรลสีเงิน (Silver Rod Control Lock) Model: TAMLSW-054 Material and finish: zinc alloy chromed housing Application: 90° rotation of the back drive the gear box to lock and unlock IP Rating: IP55	3,000.00 Baht
	กุญแจแฮนด์กันน้ำ (Waterproof Handle Lock) Model: TAMLSW-008 Material and finish: zinc alloy chromed housing Application: handle quarter-turn to open or close IP Rating: IP65	300.00 Baht

ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description	ราคาต่อหน่วย Unit Price
	กุญแจแฮนด์วอเตอร์พroof (Waterproof Handle Lock) Model: TAMLSW-019 Material and finish: zinc alloy chromed handle and housing, steel cam IP Rating: IP65 Brand: TAKIGEN	2,000.00 Baht
	กุญแจแฮนด์ (Handle Lock) Model: TAMLSW-027 Material and finish: zinc alloy chromed handle and housing, steel cam Application: handle 90° rotation for opening or closing IP Rating: IP54	300.00 Baht
	กุญแจคอนโทรลสแตนเลส 316 (Stainless Steel 316 Rod Control Lock) Model: TAMLSW-003 Material and finish: SUS no. 316, brush IP Rating: IP65	2,500.00 Baht
	บานพับ MDB (Hinge for MDB) Model: TAMAHI-001 Material and finish: zinc alloy hinge, galvanized steel pin Application: opening angle 110°	250.00 Baht
	มือจับชุบโครเมียม (Chromed Steel Handle) Model: TAMAHN-001 Material and finish: chromed steel	200.00 Baht
	มือจับพลาสติกสีดำ (Black Plastic Handle) Model: TAMAHN-002 Material and finish: black plastic	150.00 Baht

ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description	ราคาต่อหน่วย Unit Price
	ลูกกุญแจสั้น (Short Key) Model: TAMAKEY-001 Material and finish: zinc alloy, chromed	30.00 Baht
	ลูกกุญแจยาว (Long Key) Model: TAMAKEY-002 Material and finish: zinc alloy	50.00 Baht
	สีสเปรย์สำหรับงานซ่อมงานสีตู้ (Spray Color) Model: TAMCO #8133 (RAL7032) Color : cream	250.00 Baht
	สีสเปรย์สำหรับงานซ่อมงานสีตู้ (Spray Color) Model: TAMCO #9015 (RAL7035) Color : light gray	280.00 Baht
	Model: VF-130 (Fan + Filter Mask set) Air Volume: 25 CFM. Noise Level: 47-53 dB (A) Fan Voltage: 220V. AC 50 Hz. Power/Current: 16 Watt/0.13 Amp. Dimension: 130 x 130 mm. * Additional filter will cost 400.00 Baht	1,080.00 Baht
	Model: VF-255 (Fan + Filter Mask set) Air Volume: 120 CFM. Noise Level: 58 dB (A) Fan Voltage: 220V. AC 50 Hz. Power/Current: 4.0 Watt/0.3 Amp. Dimension: 250 x 250 mm. * Additional filter will cost 800.00 Baht	1,980.00 Baht



Product Group		CE Series	ME Series
Product Name		Compact Enclosure	Modular Free-standing Enclosure
Product Descriptions		Small to large compact enclosure that comes with 14 different sizes. Suitable for both indoor and outdoor uses.	Knock-down enclosure with flexible solutions. Available in 7 sizes. Suitable for both indoor and outdoor uses.
Material	Steel (EG)	•	•
	Stainless Steel	•	
	Steel (Hot-rolled)		
	Steel (Cold-rolled)		
Coating	Hot-dip galvanized		
	Polyester powder paint	•	•
IP rating	IP40	•	•
	IP55	•	•
	IP65	•	
Made-to-order options		Available	Available
Customized in sizes, materials, cut-outs, color			



CD Series

Control Desk

This series is designed for controlling machinery system, electronics and communication devices.

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Available

Trunking system

Wire way

Suitable for indoor electrical system installation. Coated with polyester powder paint

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Available

Cable Ladder

Suitable for both indoor and outdoor electrical system installation. Coated with polyester powder paint or hot-dip galvanized.

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Available

Cable Tray

Suitable for indoor electrical installation that needs special strength which can carry up to 600Kg. Coated with polyester powder paint or hot-dip galvanized.

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-

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Available

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