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Mild Steel Accelerated Corrosion Test









Galvanized Steel Accelerated Corrosion Test





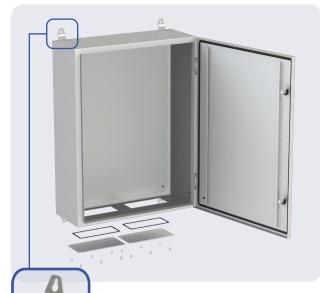




ENE & ENH WALL - MOUNTING ENCLOSURES

ENE and ENH are two types of monoblock wall-mounting enclosures made from a one piece welded steel sheet body. The main differences between the two types are the body thicknesses and the International Protection (IP) grade.





Wall Fixing Brackets (Optional Part) Used to fix the enclosure on a vertical surface from the outside, leaving a 9 mm gap between the two. *Quantity: 4 pieces*

ENE FEATURES:

- Welded studs on the back panel for easy installation of galvanized mounting plate
- 120° door opening angle
- Removable bottom cable gland plate, insulated with or without knockouts
- Earth studs on the door and body
- Single or double waterproof lock

ENH FEATURES: -

- Welded studs on the back panel for easy installation of galvanized mounting plate
- 120° door opening angle
- Removable bottom cable gland plate, insulated with or without knockouts
- Earth studs on the door and body
- Single or double waterproof lock
- Reversible plain door
- Perforated reinforcement profile for door strengthening
- Double door for enclosures of
- width 1000 and 1200 mm

To provide our customers with the best Sealant, Sonderhoff polyurethanegasket foam machine delivers a suitable high elasticity sealant that **guarantees**

a tight fit between the panels and the body with approximately 50 years of lifespan, if maintained between -40°C and 80°C.





The enclosures have pre-punched holes on the back and front that are either used for canopy installation, direct wall fixing or wall fixing bracket placement.

SPECIFICATIONS

WFR

- ENE IP
- 54
- ENH IP
- 55

ENCLOSURE MATERIAL Mild steel sheet

MOUNTING PLATE MATERIAL

Galvanized steel sheet

TREATMENT

It undergoes degreasing, phosphating, dual-rinsing, passivating and kiln drying

FINISHING

Coated with wrinkled light gray epoxy-polyester powder RAL 7035

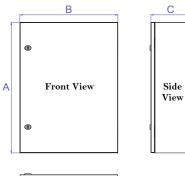
SEALING

PU-Gasket foam sealant [For more information, read above]

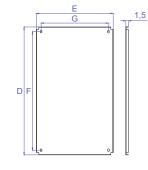




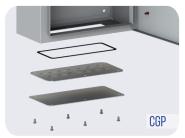




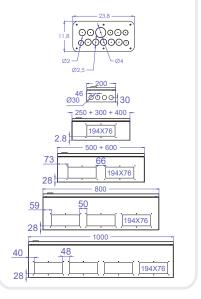
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Gland Plate Dimensions (mm)



* This item is available with or without knockouts



	References	Enclosure Height (mm)	Enclosure Width (mm)	Enclosure Depth (mm)	Doors	Locks	Cable Gland Plates	Body Thickness (mm)	Door Thickness (mm)	Mounting Plate Thickness (mm)	Mounting Plate Height (mm)		Dista Between Mountir (m	Holes of Ig Plate
		Α	В	С						(mm)	D	E	F	G
	ENE 302012	300	200	120	1	1	_	0.8	0.8	1.25	250	150	195	_
	ENE 403015	400	300	150	1	1	1	0.8	0.8	1.25	350	250	295	195
	ENE 504015	500	400	150	1	1	1	0.8	0.8	1.25	450	350	395	295
	ENE 604015	600	400	150	1	1	1	0.8	0.8	1.25	550	350	495	295
ENE	ENE 605020	600	500	200	1	1	1	0.8	0.8	1.25	550	450	495	395
EINE	ENE 705020	700	500	200	1	1	1	0.8	0.8	1.25	650	450	595	395
	ENE 706025	700	600	250	1	1	1	0.8	0.8	1.25	650	550	595	495
	ENE 806025	800	600	250	1	2	2	0.8	0.8	1.25	750	550	695	495
	ENE 1008025	1000	800	250	1	2	3	1.0	1.0	1.25	950	750	895	695
	ENE 1208025	1200	800	250	1	2	3	1.0	1.0	1.25	1150	750	1095	695
	ENH 3025/15	300	250	150	1	1	1	1.0	1.0	1.5	250	200	215	-
	ENH 4030/20	400	300	200	1	1	1	1.0	1.0	1.5	350	250	295	195
	ENH 5040/20	500	400	200	1	1	1	1.0	1.25	1.5	450	350	395	295
	ENH 6040/20	600	400	200	1	1	1	1.0	1.25	1.5	550	350	495	295
	ENH 6050/25	600	500	250	1	1	2	1.0	1.25	1.5	550	450	495	395
ENH	ENH 7050/25	700	500	250	1	1	2	1.0	1.25	1.5	650	450	595	395
ENH	ENH 8060/25	800	600	250	1	2	2	1.25	1.25	2.0	750	550	695	495
	ENH 10060/25	1000	600	250	1	2	3	1.25	1.5	2.0	950	550	895	495
	ENH 10080/30	1000	800	300	1	2	3	1.5	1.5	2.0	950	750	895	695
	ENH 12060/30	1200	600	300	1	2	2	1.25	1.5	2.0	1150	550	1100	495
	ENH 12080/30	1200	800	300	1	2	3	1.5	2.0	2.0	1150	750	1100	695
	ENH 120100/30	1200	1000	300	2	3pt	4	1.5	1.5	2.0	1150	950	1100	895

FENH FLOOR - STANDING ENCLOSURES

The FENH is a mono-block enclosure made from a one piece welded steel sheet body.

FENH FEATURES: -

- Galvanized mounting plate fixed on the back panel
- 120° door opening angle
- Sliding bottom cable gland plate,
- Earth studs on the door and body.
- Reversible plain door
- Three point locking system with double rod fixation
- Perforated reinforcement profiles for door strengthening

The FENH has

pre-punched holes on the top, back and front to occupy certain accessories.



- The **top holes** (Ø14 mm) are for

eye bolt placement for easier lifting - The **front and back holes** (Ø6.5 mm)

- are for canopy installation.
- The **back holes** can also be used for direct wall fixing or for wall fixing bracket placement. The wall fixing brackets leave a 9 mm space between the enclosure and any vertical surface behind it.



Hinae



For more information about the sealant used, go to page 2

BUILT-IN Accessories



Double-Bit Standard Handle and Key



Studs welded on the inner side of the door for drawing pocket placement (The drawing Pocket is an optional accessory)



Three-Point Locking System



6 studs (3 on each side) welded on the inside for internal cover support placement (The internal covers + support are optional accessories)



Mounting Plate Support



Used to add mounting plate rigidity and vibration damping (Used on 1000 mm and 1200 mm width mounting plates)



IP 55

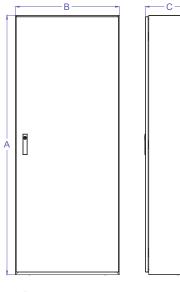
ENCLOSURE MATERIAL

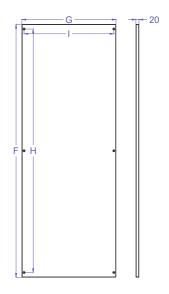
Mild steel sheet

MOUNTING PLATE MATERIAL

Galvanized steel sheet

FENH REFERENCES





TREATMENT

FINISHING

It undergoes degreasing,

phosphating, dual-rinsing,

passivating and kiln drying

Coated with wrinkled light gray epoxy-polyester powder RAL 7035

SEALING

PU-Gasket foam sealant [For more information, see page 2]

Gland Plate



°°	c
• 0	c
	4
•• L	c

References	FENH Height (mm) FENH FENH Depth (mm) G		Locks	Cable Locks Gland Plates		Steel Thickness (mm)			Gland Plate Dimensions (mm)		Mounting Plate Dimensions (mm)		Distance Between Holes of Mounting Plate (mm)		
	Α	В	С				Body	Door	Mounting Plate	D	E	F	G	Н	I
FENH 1408030	1400	800	300	1	3pt Lock	1	1.5	2.0	2.5	604	115	1332	715	1267	660
FENH 14010030	1400	1000	300	2	3pt Lock	1	1.5	2.0	2.5	804	115	1332	915	1267	860
FENH 14012035	1400	1200	350	2	3pt Lock	1	1.5	2.0	2.5	479	135	1332	1115	1267	1060
FENH 1608035	1600	800	350	1	3pt Lock	1	1.5	2.0	2.5	604	135	1532	715	1467	660
FENH 16010035	1600	1000	350	2	3pt Lock	1	1.5	2.0	2.5	804	135	1532	915	1467	860
FENH 16012035	1600	1200	350	2	3pt Lock	1	1.5	2.0	2.5	479	135	1532	1115	1467	1060
FENH 1808040	1800	800	400	1	3pt Lock	1	1.5	2.0	2.5	604	135	1732	715	1667	660
FENH 18010040	1800	1000	400	2	3pt Lock	1	1.5	2.0	2.5	804	135	1732	915	1667	860
FENH 18012040	1800	1200	400	2	3pt Lock	1	1.5	2.0	2.5	479	135	1732	1115	1667	1060
FENH 2008040	2000	800	400	1	3pt Lock	1	1.5	2.0	2.5	604	135	1932	715	1867	660
FENH 20010040	2000	1000	400	2	3pt Lock	1	1.5	2.0	2.5	804	135	1932	915	1867	860
FENH 20012040	2000	1200	400	2	3pt Lock	1	1.5	2.0	2.5	479	135	1932	1115	1867	1060



There are two kinds of plinth corners, the standard corners and the ones with casters. Both kinds can either be paired with front, rear and side covers to form a complete plinth, or they can be paired with lids to form base legs for the enclosure.

The caster corners have a stainless steel screw each, that can be tightened in order to fix the enclosure in place. Four polyamide wheels can withstand 2000 kg of weight.

- W1 Overall widthW2 Distance between connecting holes
- D1 Overall depth D2 Distance between connecting holes

The plinth can be of two heights, 100 mm or 200 mm. If a taller plinth height is desired, a union of different plinths can be arranged.



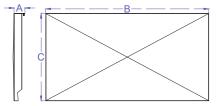


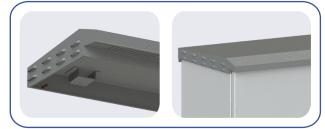


	FENH Dimensions (mm) W D		Complete Plinth (Standard Corners) Reference	Complete Plinth (Caster Corners) Reference	Width (mm)		Depth (mm)		Base Legs Reference	Weight (kg)
			H100 mm or H200 mm	H100 mm or H200 mm	W1	W2	D1	D2		
	800	300	PLC66/12.8-SC-10 (or 20)	PLC66/12.8-CC-10 (or 20)	800	676	268	176	Standard Corners	
	800	350	PLC66/17.8-SC-10 (or 20)	PLC66/17.8-CC-10 (or 20)	800	676	318	226	(H100 mm) CL-SC-10	4.64
	800	400	PLC66/22.8-SC-10 (or 20)	PLC66/22.8-SC-10 (or 20)	800	676	368	276	Standard Corners	
,	1000	300	PLC86/12.8-SC-10 (or 20)	PLC86/12.8-CC-10 (or 20)	1000	876	268	176	(H200 mm)	7.60
	1000	350	PLC86/17.8-SC-10 (or 20)	PLC86/17.8-CC-10 (or 20)	1000	876	318	226	CL-SC-20 Caster Corners	
•	1000	400	PLC86/22.8-SC-10 (or 20)	PLC86/22.8-SC-10 (or 20)	1000	876	368	276	(H100 mm)	5.32
	1200	300	PLC106/12.8-SC-10 (or 20)	PLC106/12.8-CC-10 (or 20)	1200	1076	268	176	CL-CC-10	
2	1200	350	PLC106/17.8-SC-10 (or 20)	PLC106/17.8-CC-10 (or 20)	1200	1076	318	226	Caster Corners (H200 mm)	8.20
•	1200	400	PLC106/22.8-SC-10 (or 20)	PLC106/22.8-SC-10 (or 20)	1200	1076	368	276	CL-CC-20	0.20

ENCLOSURE CANOPIES







* This canopy option is available upon request

Reference	Cabinet Height	Cabinet Width	Steel Thickness	Canopy	Dimensic	ons (mm)
	(mm)	(mm)	(mm)	Α	В	С
CAN 20.12	200	120	1.25	40	220	150
CAN 25.15	250	150	1.25	40	270	180
CAN 30.15	300	150	1.25	40	320	180
CAN 30.20	300	200	1.25	40	320	230
CAN 40.15	400	150	1.25	40	420	180
CAN 40.20	400	200	1.25	40	420	230
CAN 40.25	400	250	1.25	40	420	280
CAN 50.20	500	200	1.25	40	520	240
CAN 50.25	500	250	1.25	40	520	290
CAN 60.20	600	200	1.25	40	620	240
CAN 60.25	600	250	1.25	40	620	290
CAN 60.30	600	300	1.25	40	620	340
CAN 80.25	800	250	1.25	40	820	290
CAN 80.30	800	300	1.25	40	820	340
CAN 80.35	800	350	1.25	40	820	390
CAN 80.40	800	400	1.25	40	820	440
CAN 100.30	1000	300	1.25	40	1020	340
CAN 100.35	1000	350	1.25	40	1020	390
CAN 100.40	1000	400	1.25	40	1020	440
CAN 120.35	1200	350	1.25	40	1220	390
CAN 120.40	1200	400	1.25	40	1220	440

OCD OPERATING CONTROL DESK

The Operating Control Desk is an enclosure in which operating systems, along with their hardware and cables, are installed. The top section is especially made to hold monitoring indicators and buttons. The OCD comes in two types:

- Two-Piece OCD [Top + Bottom Sections]
- **Three-Piece OCD** [Top + Bottom Sections + Console]

OCD FEATURES -

- Top and bottom sections (and console) independently folded and seam welded
- Depth-adjustable mounting plates made from galvanized steel sheets
- 120° reversible doors on front and back bottom section
- Sliding stopper for top section and console doors
- A plinth fixed with screws
- Coated with wrinkled epoxy-polyester powder
 - OCD Light gray RAL 7035
 - Plinth Dark gray RAL 7011
- Earth studs welded on the body and doors
- Single or double waterproof lock







* The gland plate has a sliding mechanism and leaves a gap of maximum 85 mm



IP

55

BODY

1.5 mm thick mild steel sheet [2mm thick mild steel sheet for Top Door of Two-Piece OCD **only**]

MOUNTING PLATE

2 mm thick galvanized steel sheet

CABLE GLAND PLATE

1.5 mm thick galvanized steel sheet

PLINTH

2 mm thick mild steel sheet

TREATMENT

It undergoes degreasing, phosphating, dual-rinsing, passivating and kiln drying

FINISHING

Coated with wrinkled light gray epoxy-polyester powder RAL 7035

SEALING

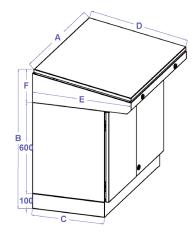
Suitable high elasticity PU-Gasket foam sealant made by Sonderhoff gasket machine; guarantees a tight fit between the panels and the frame, with approximately 50 years of lifespan if maintained between -40°C and 80°C

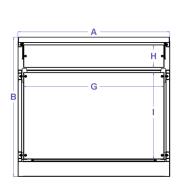








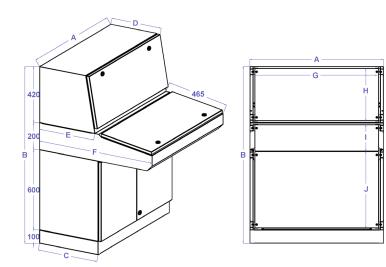




References			Mounting Plate Dimensions (mm)						
Kererences	А	В	С	D	E	F	G	Н	I
OCD 2P 6040	600	900	400	560	550	200	526	132	572
OCD 2P 8040	800	900	400	560	550	200	726	132	572
OCD 2P 10050	1000	920	500	660	650	220	926	132	572
OCD 2P 12050	1200	920	500	660	650	220	1126	132	572







References			OCD Dime	Mounting Plate Dimensions (mm)						
Kererences	А	В	С	D	E	F	G	н	I	J
OCD 3P 6040	600	1320	400	280	350	812	526	572	199.5	392
OCD 3P 8040	800	1320	400	280	350	812	726	572	199.5	392
OCD 3P 10050	1000	1320	500	380	450	912	926	572	199.5	392
OCD 3P 12050	1200	1320	500	380	450	912	1126	572	199.5	392

ELECTRA XEACHDAXEERS MAR - HAREE XREA



ELECTRA PACTORY MAP - CROSSER

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