

Floor Standing Enclosures
EMC Range | Galvanized Steel
Single door | MCSE

IP 54 | TYPE 12 | IK 10



Material:

Frame: 1.5 mm / 1.75 mm zinc plated steel. Door: 2 mm zinc plated steel.
Rear, roof and side panels: 1.5 mm zinc plated steel. Mounting plate: 3 mm galvanized steel. Bottom plates: 1 mm galvanized steel.

Frame:

Seam welded reversed open profiles with 25 mm hole pattern according to DIN 43660. Including integrated external hole pattern.

Door:

Surface mounted with four hinges allowing left or right hand opening. Including door frame with 25 mm hole pattern. Sealing is attained by a conductive polyurethane EMC gasket.

Rear panel:

Fitted by M6 torx screws. Standard facilities for rear door mounting.

Side panels:

Supplied as an accessory.

Roof panel:

Removable.

Lock:

Espagnolette 4-point locking system. Does not interfere with the enclosure inner space. Standard double-bit lock with 3 mm pin. Standard inserts, cylinders, lift handles and T-handles are available as accessories.

Mounting plate:

Double folded and slides into position. Adjustable in depth by steps of 25 mm with the MPD02 accessory. In the enclosure delivery, mounting plate is attached on the outside of the package.

Bottom plates:

Consists of three pieces. For 800 mm deep 4 pieces.

Earthing:

All panels are earthed through their fittings and are equipped with a separate earthing stud.

Finish:

RAL 7035 structure powder coating on the outside only.

Protection:

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Approvals:

CE, GOST, cULus_listed.

Delivery:

Frame with fitted door, rear panel, roof panel, bottom plates, mounting plate and door frame. Delivery also includes earthing bolts and EMI conductive combination gasket. Delivered on a pallet which is identical to the width of the enclosure to allow suiting without removal. All packing material is recyclable.

Note:

Also available in stainless steel (MCSSE).

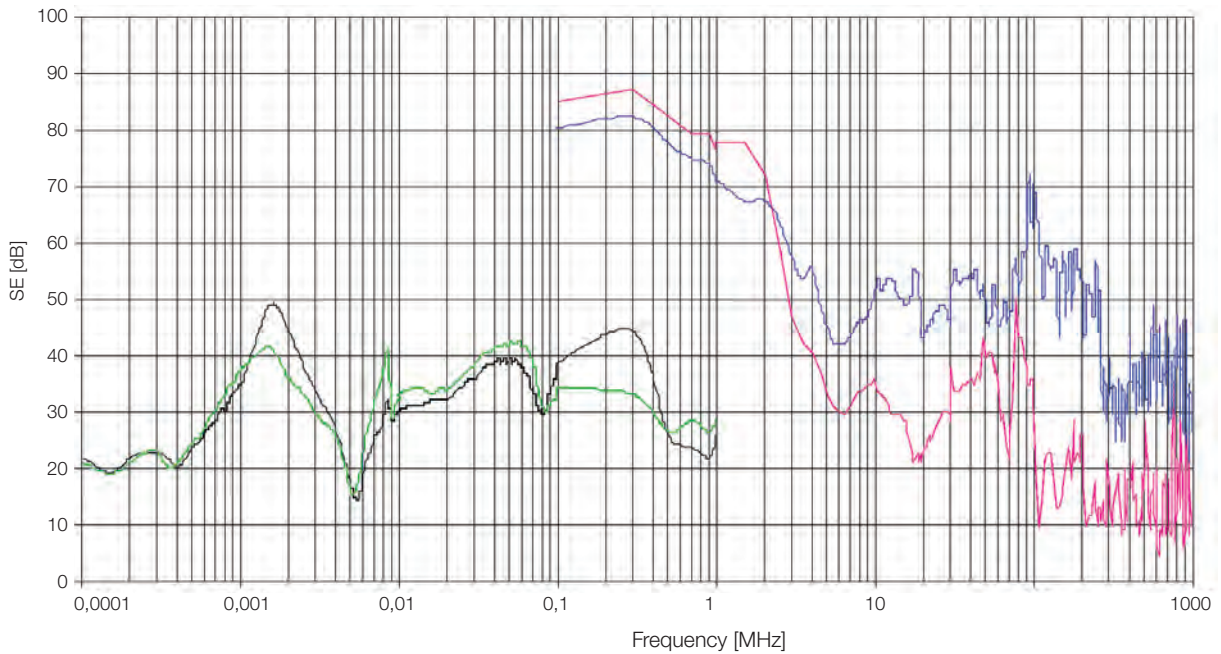


Dimensional table | MCSE

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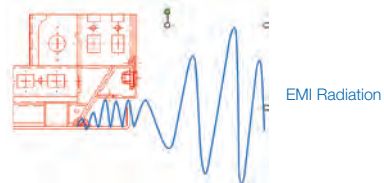
Enclosure dimensions			Mounting plate dimensions		Usable depth	Item no.
H	W	D	h	w	d	
2000	800	600	1894	694	559	MCSE20086R5
2000	800	800	1894	694	759	MCSE20088R5

All the MCS standard sizes are available in EMC version on request including other dimensions.
For EMC sidepanels see SPME.



- SE ELDON - MCSE
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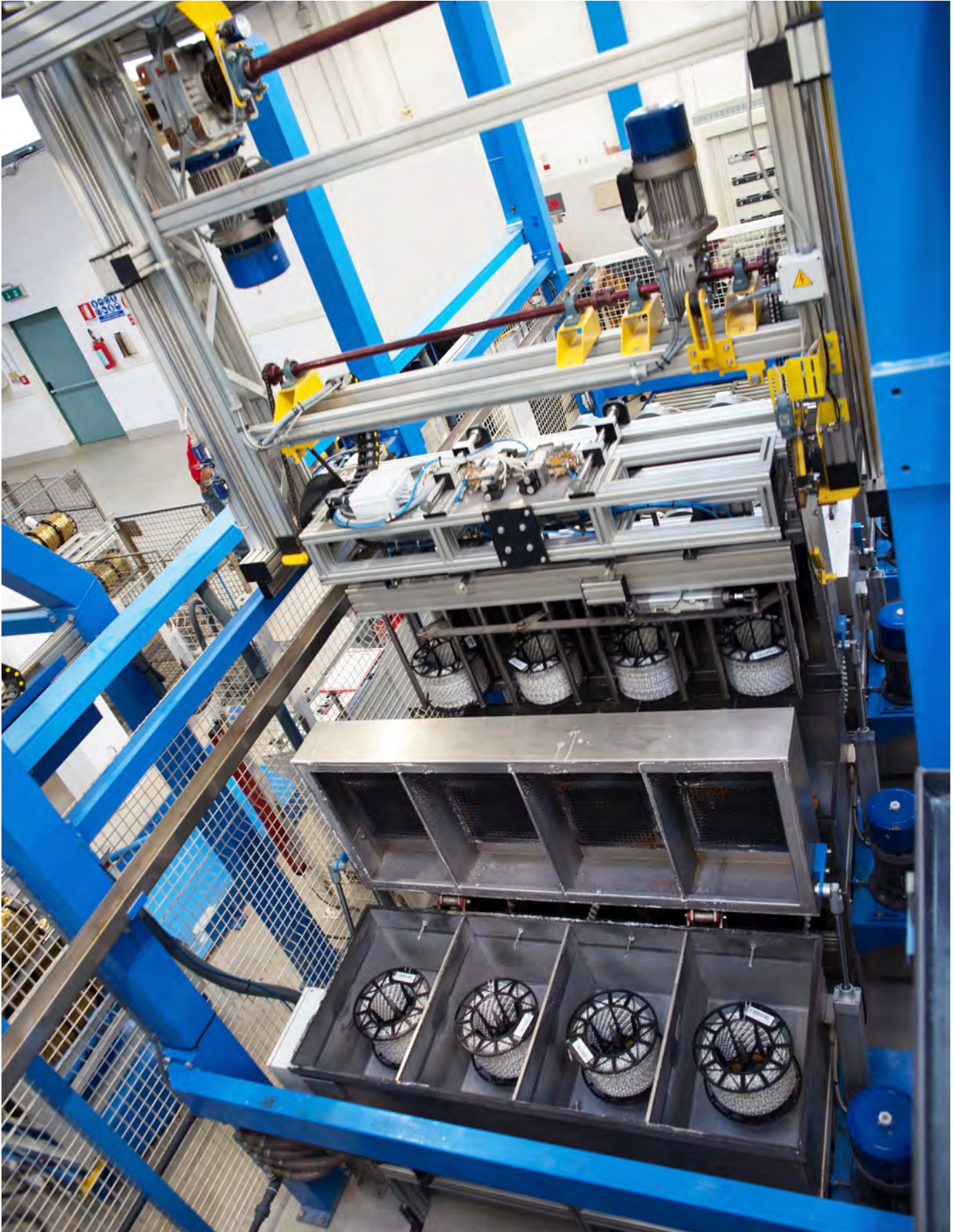
SE: SHIELD EFFECTIVENESS



01

Floor Standing Enclosures

1



Floor Standing Enclosures

EMC Range

Accessories

Glazed door (61%), DNGE

- Description:** Standard door fitted with clear safety glass to view the inside of the enclosure. Equipped with double-bit 3 mm lock system and door frame. Allows all options of the locking program. Sealing is maintained by a conductive polyurethane EMC gasket. To ensure the EMI effectiveness a mesh wire is placed behind the glass window with a clearance percentage of 61%. Use hinge kit DNMK if not for replacement of standard door.
- Material:** Frame: 2 mm zinc plated steel. Viewing area: 3 mm clear safety glass.
- Finish:** RAL 7035 structure powder coating on the outside only.
- Protection:** IP 54 | TYPE 12 | IK 07.
- Mounting requirement:** If no door was fitted previously use hinge kit DNMK01.
- Pack quantity:** 1 piece.

H	W	h	w	Item no.
2000	800	1776	615	DNGE2008R5



Side panels, SPME

- Description:** For covering the sides of the MCSE enclosures. Equipped with a conductive gasket providing both EMC/IP protection.
- Material:** 1,5 mm zinc plated steel.
- Finish:** RAL 7035 structured powder coating on the outside only.
- Protection:** IP 54 | TYPE 12.
- Pack quantity:** 2 panels with mounting accessories.

For enclosure		Item no.
H	D	
2000	600	SPME2006R5
2000	800	SPME2008R5

Other sizes available on request.



Separation plates, SPD EMC

- Description:** Separates two bayed enclosures. To be fixed with combining kit CCJ. To achieve IP 43, TYPE 1 a neoprene gasket SPDG01 can be fixed to the panel. For EMI separation the SPDEG gasket must be fitted.
- Material:** 1,5 mm zinc plated steel.
- Pack quantity:** 1 piece.
- Mounting requirement:** Add CCJ brackets for mounting.

Item no.
SPD2006
SPD2008



Separation plate brackets, CCJ

- Description:** Mounted to the enclosure's frame. Can be used on both vertical and the horizontal profiles.
- Material:** 3 mm zinc plated steel.
- Pack quantity:** 12 brackets with mounting accessories.

Item no.
CCJ12



Gasket for EMC shielding, SPDEG

- Description:** To obtain an EMC shielded section in a suited panel in combination with the separation plate SPD.
- Material:** Polyurethane foam with conductive layer (UL94HB).
- Protection:** IP 43 | TYPE 1.
- Pack quantity:** 6 m.

Item no.
SPDEG01



EMI Ventilation roof, CVRE

- Description:** Inner ventilation roof plate for a high EMI protection. Mounted directly into the frame of the enclosure. Can be used in combination with the CVR ventilation roof, CFR fan roof plate or the spacers to raise a standard roof CVK15. 33% ventilation.
- Material:** 1,5 mm zinc plated steel.
- Finish:** Non painted zinc plated steel.
- Pack quantity:** 1 piece with mounting accessories.

For enclosure		
W	D	Item no.
800	600	CVRE0806
800	800	CVRE0808



Floor Standing Enclosures

EMC Range

Accessories

EMC Filter fans, EFE

- Description:** EMC capable filter fan. Special EMC screen in combination with stainless steel contact strips guarantee good contact with enclosure surface. Cutting edge surface of the enclosure needs to be blank for contact. Long service life.
- Approvals:** CE, GOST, UR, cUL.
- Material:** Plastic, UL 94-V0. EMC screen: stainless steel, contact strips.
- Pack quantity:** 1 fan with filter.

IP	Power (W)	Cut out dim.	Air flow m ³ /h	Filter	Item no.
54	19	126.5 x 126.5	61	44	EFE200R5
54	19	178 x 178	110	82	EFE220R5
54	19	224 x 224	156	116	EFE250R5
54	45	224 x 224	256	231	EFE300R5
54	115	292 x 292	480	370	EFE500R5
54	115	292 x 292	640	445	EFE600R5
54	169	292 x 292	845	560	EFE700R5

Air flow = Free air flow (m³/h).

Filter = Air flow filter fan + exhaust filter (m³/h).



EMC Exhaust filter, EFAE

- Description:** Suitable for specific EMC enclosures. Cutting edge surface of the enclosure needs to be blank for contact.
- Material:** Plastic, UL94-V0. EMC screen: stainless steel, contact strips.
- Approvals:** CE, GOST, UR, cUL.
- Protection:** IP 54.
- Pack quantity:** 1 filter with housing.

IP	Cut out dim.	Item no.
54	126.5 x 126.5	EFAE200R5
54	178 x 178	EFAE220R5
54	224 x 224	EFAE250-300R5
54	292 x 292	EFAE500-700R5

IP 55 models on request: UV resistant.



Ventilated bottom plates, CVB EMC

- Description:** Three piece bottom plates. Can be used in combination with a ventilated plinth PV. 33% ventilation.
- Material:** 1,5 mm perforated zinc plated steel.
- Pack quantity:** 3 pieces with mounting material.
- Mounting requirement:** Use in combination with ventilated plinths PV.

For enclosure		
W	D	Item no.
800	600	CVB0806
800	800	CVB0808



EMC cable entry and bottom plate gasket, BGE

- Description:** The bottom of the enclosure is sealed by the use of an adhesive gasket applied to the frame around the bottom opening. The cables are sealed by the addition of adhesive foam placed between the bottom plates. The elasticity and the size of this foam ensures a tight seal around most cables. Added conductive material provides a good contact to shield the transfer of electro-magnetic radiation.
- Pack quantity:** 1,6 m adhesive EMC gasket for cable entry and 6 m adhesive bottom plate gasket. For 1600 mm wide enclosures please order 2 sets.

Item no.
BGE01



EMC connection bottom plate, CBPE

- Description:** Replaces two parts of the standard three or four piece bottom plates. Due to the hammer head cones, EMI cables can be directly earthed to the bottom plate keeping the "Faraday cage".
- Material:** 1,5 mm zinc plated steel.
- Pack quantity:** 2 pieces with EMI gasket and mounting accessories.

For enclosure		
W	D	Item no.
600	600	CBPE0606
600	800	CBPE0608
800	600	CBPE0806
800	800	CBPE0808

