

Single Door Enclosure Mild Steel, MAS



The mild steel single door wall mounted enclosure range, MAS, with a IP 66 protection degree, is available off the shelf in many different sizes. This enclosure range is well suited for many different applications. The risk for component failure, and with that unnecessary downtime, is eliminated as water and dust are prevented from entering the enclosure.

INDUSTRY STANDARDS

UL 508A Listed; Type 4, 12; File No. E61997

cUL Listed per CSA C22.2 No.0, No.0.4, No.14, No.94; Type 12; File No. E61997

NEMA/EEMAC Type 4, 12

CSA, File No. 1442951: Type 4, 12

IEC 62208 IP66

CE, UK CA, UL, DNV

FEATURES

Body: Folded and seam welded. Four 8.5 mm diameter holes for wall fixing, pressed out in 20.4 mm diameter × 2 mm depressions, to allow air circulation around the rear part of the enclosure.

Gland Plate Opening: Situated at the far rear of the enclosure, to make cabling onto the mounting plate easier.

Protection: Complies with IP 66, TYPE 4, 12, IK 10. For outdoor installation, the use of a rain Hood, ARF, and 100% polyester paint coating plus corrosion protection primer is recommended. Resistance to corrosion must be taken into consideration for outdoor and indoor applications.

Mounting plate: The mounting plate is marked vertically at 10 mm intervals, for easy horizontal positioning of equipment. On the top and bottom there are holes to facilitate cable fixing. Fixed onto M8 press welded studs to the rear of the enclosure. All sides, from 800 mm and above, are strengthened by folded edges. By using the AMG accessory, the mounting plate position can be adjusted to any depth.

Material: Body: 1.2 mm mild steel for enclosures with a depth of 155 mm / 1.4 mm for enclosures with a depth of 210 or 260 mm / 1.5 mm for enclosures with a depth of 300 or 400 mm, or if a height or width is 1000 mm or greater. Gland plate: 1.4 mm mild steel. Door: 1.2 mm mild steel / 1.5 mm for enclosures with a height or width of 500 mm or greater / 2 mm for enclosures with a height or width of 800 mm or greater. Mounting plate: 2 mm galvanized steel.

Lock: nVent HOFFMAN customized double-bit 3 mm lock, with 90° movement and anti-vibration mechanism. Two locks for 600 mm high to 800 mm high enclosures. Espagnolette three point locking for 1000 mm high enclosures and above. Other inserts are available as an accessory.

Finish: RAL 7035 structured powder coating.

Door: Surface mounted with 130° opening. Concealed removable hinges with captive pin. Hinges can be mounted to allow left or right hand opening. Inner M6 welded studs to mount door profiles MMDP, see delivery. Sealing is ensured by an injected one piece polyurethane gasket.

Delivery: Enclosure with door and mounting plate (not included for item numbers ending with PER5). For height 600 mm and above, two MMDP door mounting profiles. Gland plate(s) with gasket(s), plastic double-bit 3 mm key, and mounting accessories. Metallic key, for height 1000 mm and above. Earthing facilities.

Color: Light Gray
Material: Mild Steel
Finish: Powder Coated
Color Code: RAL 7035

SPECIFICATIONS

Table 1/6						
Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0404021PER5	MAS0404021PER5	400mm	400mm	210mm	No	
MAS0504030R5	MAS0504030R5	500mm	400mm	300mm	Yes	470 x 350mm
MAS1008030R5	MAS1008030R5	1000mm	800mm	300mm	Yes	970 x 750mm
MAS0303021R5	MAS0303021R5	300mm	300mm	210mm	Yes	270 x 250mm
MAS0252015R5	MAS0252015R5	250mm	200mm	155mm	Yes	220 x 150mm
MAS0404021R5	MAS0404021R5	400mm	400mm	210mm	Yes	370 x 350mm
MAS1008026PER5	MAS1008026PER5	1000mm	800mm	260mm	No	
MAS0352515PER5	MAS0352515PER5	350mm	250mm	155mm	No	
MAS0504021R5	MAS0504021R5	500mm	400mm	210mm	Yes	470 x 350mm
MAS0406021PER5	MAS0406021PER5	400mm	600mm	210mm	No	
MAS0403021PER5	MAS0403021PER5	400mm	300mm	210mm	No	
MAS0303015PER5	MAS0303015PER5	300mm	300mm	155mm	No	
MAS0504030PER5	MAS0504030PER5	500mm	400mm	300mm	No	
MAS0302515PER5	MAS0302515PER5	300mm	250mm	155mm	No	
MAS1008030PER5	MAS1008030PER5	1000mm	800mm	300mm	No	
MAS0252015PER5	MAS0252015PER5	250mm	200mm	155mm	No	
MAS1008040PER5	MAS1008040PER5	1000mm	800mm	400mm	No	
MAS0405021R5	MAS0405021R5	400mm	500mm	210mm	Yes	370 x 450mm
MAS1006026R5	MAS1006026R5	1000mm	600mm	260mm	Yes	970 x 550mm
MAS0505021R5	MAS0505021R5	500mm	500mm	210mm	Yes	470 x 450mm

Table 2/6						
Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0304021R5	MAS0304021R5	300mm	400mm	210mm	Yes	270 x 330mm
MAS0405021PER5	MAS0405021PER5	400mm	500mm	210mm	No	
MAS1208030PER5	MAS1208030PER5	1200mm	800mm	300mm	No	
MAS0504021PER5	MAS0504021PER5	500mm	400mm	210mm	No	
MAS0252515PER5	MAS0252515PER5	250mm	250mm	155mm	No	

Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0252515R5	MAS0252515R5	250mm	250mm	155mm	Yes	220 x 200mm
MAS0304021PER5		300mm	400mm	210mm	No	
MAS0503021PER5	MAS0503021PER5	500mm	300mm	210mm	No	
MAS0505021PER5	MAS0505021PER5	500mm	500mm	210mm	No	
MAS0504015PER5	MAS0504015PER5	500mm	400mm	155mm	No	
MAS1208030R5	MAS1208030R5	1200mm	800mm	300mm	Yes	1170 x 750mm
MAS1006030PER5	MAS1006030PER5	1000mm	600mm	300mm	No	
MAS0403021R5	MAS0403021R5	400mm	300mm	210mm	Yes	370 x 250mm
MAS1208040R5	MAS1208040R5	1200mm	800mm	400mm	Yes	1170 x 750mm
MAS0505030R5	MAS0505030R5	500mm	500mm	300mm	Yes	470 x 450mm
MAS1208040PER5	MAS1208040PER5	1200mm	800mm	400mm	No	
MAS1008026R5	MAS1008026R5	1000mm	800mm	260mm	Yes	970 x 750mm
MAS1008040R5	MAS1008040R5	1000mm	800mm	400mm	Yes	970 x 750mm
MAS0202015PER5	MAS0202015PER5	200mm	200mm	155mm	No	
MAS0504026PER5	MAS0504026PER5	500mm	400mm	260mm	No	

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Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0303015R5	MAS0303015R5	300mm	300mm	155mm	Yes	270 x 250mm
MAS0403015PER5	MAS0403015PER5	400mm	300mm	155mm	No	
MAS0406021R5	MAS0406021R5	400mm	600mm	210mm	Yes	370 x 550mm
MAS0504026R5	MAS0504026R5	500mm	400mm	260mm	Yes	470 x 350mm
MAS0503021R5	MAS0503021R5	500mm	300mm	210mm	Yes	470 x 250mm
MAS1006030R5	MAS1006030R5	1000mm	600mm	300mm	Yes	970 x 550mm
MAS0302515R5	MAS0302515R5	300mm	250mm	155mm	Yes	270 x 200mm
MAS0302521R5	MAS0302521R5	300mm	250mm	210mm	Yes	270 x 200mm
MAS0505030PER5	MAS0505030PER5	500mm	500mm	300mm	No	
MAS0303021PER5	MAS0303021PER5	300mm	300mm	210mm	No	
MAS0403015R5	MAS0403015R5	400mm	300mm	155mm	Yes	370 x 250mm
MAS1006026PER5	MAS1006026PER5	1000mm	600mm	260mm	No	
MAS1206030PER5	MAS1206030PER5	1200mm	600mm	300mm	No	
MAS0504015R5	MAS0504015R5	500mm	400mm	155mm	Yes	470 x 350mm
MAS0302521PER5	MAS0302521PER5	300mm	250mm	210mm	No	
MAS1206030R5	MAS1206030R5	1200mm	600mm	300mm	Yes	1170 x 550mm
MAS0352515R5	MAS0352515R5	350mm	250mm	155mm	Yes	320 x 200mm
MAS0202015R5	MAS0202015R5	200mm	200mm	155mm	Yes	170 x 150mm
MAS0604021PER5	MAS0604021PER5	600mm	400mm	210mm	No	

Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0808040PER5	MAS0808040PER5	800mm	800mm	400mm	No	

Table 4/6

Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0605026PER5	MAS0605026PER5	600mm	500mm	260mm	No	
MAS0604026R5	MAS0604026R5	600mm	400mm	260mm	Yes	570 x 350mm
MAS0705021PER5	MAS0705021PER5	700mm	500mm	210mm	No	
MAS0806026R5	MAS0806026R5	800mm	600mm	260mm	Yes	770 x 550mm
MAS0605030R5	MAS0605030R5	600mm	500mm	300mm	Yes	570 x 450mm
MAS0605026R5	MAS0605026R5	600mm	500mm	260mm	Yes	570 x 450mm
MAS0808021PER5	MAS0808021PER5	800mm	800mm	210mm	No	
MAS0705026PER5	MAS0705026PER5	700mm	500mm	260mm	No	
MAS0606030R5	MAS0606030R5	600mm	600mm	300mm	Yes	570 x 550mm
MAS0808021R5	MAS0808021R5	800mm	800mm	210mm	Yes	770 x 750mm
MAS0808030R5	MAS0808030R5	800mm	800mm	300mm	Yes	770 x 750mm
MAS0604026PER5	MAS0604026PER5	600mm	400mm	260mm	No	
MAS0606040R5	MAS0606040R5	600mm	600mm	400mm	Yes	570 x 550mm
MAS0806030R5	MAS0806030R5	800mm	600mm	300mm	Yes	770 x 550mm
MAS0604021R5	MAS0604021R5	600mm	400mm	210mm	Yes	570 x 350mm
MAS0605021R5	MAS0605021R5	600mm	500mm	210mm	Yes	570 x 450mm
MAS0605030PER5	MAS0605030PER5	600mm	500mm	300mm	No	
MAS0605015PER5	MAS0605015PER5	600mm	500mm	155mm	No	
MAS0705021R5	MAS0705021R5	700mm	500mm	210mm	Yes	670 x 450mm
MAS0808030PER5	MAS0808030PER5	800mm	800mm	300mm	No	

Table 5/6

Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0808040R5	MAS0808040R5	800mm	800mm	400mm	Yes	770 x 750mm
MAS0804030R5	MAS0804030R5	800mm	400mm	300mm	Yes	770 x 350mm
MAS0606040PER5	MAS0606040PER5	600mm	600mm	400mm	No	
MAS0806030PER5	MAS0806030PER5	800mm	600mm	300mm	No	
MAS0606030PER5	MAS0606030PER5	600mm	600mm	300mm	No	
MAS0605015R5	MAS0605015R5	600mm	500mm	155mm	Yes	570 x 450mm
MAS0604015PER5	MAS0604015PER5	600mm	400mm	155mm	No	
MAS0806021PER5	MAS0806021PER5	800mm	600mm	210mm	No	
MAS0804030PER5	MAS0804030PER5	800mm	400mm	300mm	No	
MAS0605021PER5	MAS0605021PER5	600mm	500mm	210mm	No	

Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0606021R5	MAS0606021R5	600mm	600mm	210mm	Yes	570 x 550mm
MAS0806040R5	MAS0806040R5	800mm	600mm	400mm	Yes	770 x 550mm
MAS0608030PER5	MAS0608030PER5	600mm	800mm	300mm	No	
MAS0604030R5	MAS0604030R5	600mm	400mm	300mm	Yes	570 x 350mm
MAS0806026PER5	MAS0806026PER5	800mm	600mm	260mm	No	
MAS0608030R5	MAS0608030R5	600mm	800mm	300mm	Yes	570 x 750mm
MAS0604015R5	MAS0604015R5	600mm	400mm	155mm	Yes	570 x 350mm
MAS0806021R5	MAS0806021R5	800mm	600mm	210mm	Yes	770 x 550mm
MAS0806040PER5	MAS0806040PER5	800mm	600mm	400mm	No	
MAS0705026R5	MAS0705026R5	700mm	500mm	260mm	Yes	670 x 450mm

Table 6/6

Catalog Number	Article Number	Height (H)	Width (W)	Depth (D)	Mounting Plate Included	Panel Size
MAS0606021PER5	MAS0606021PER5	600mm	600mm	210mm	No	
MAS0604030PER5	MAS0604030PER5	600mm	400mm	300mm	No	
MAS0606026R5	MAS0606026R5	600mm	600mm	260mm	Yes	570 x 550mm
MAS0406040R5	MAS0406040R5	400mm	600mm	400mm	Yes	370 x 550mm
MAS0604040R5	MAS0604040R5	600mm	400mm	400mm	Yes	570 x 350mm
MAS1006040R5	MAS1006040R5	1000mm	600mm	400mm	Yes	970 x 550mm
MAS1206040R5	MAS1206040R5	1200mm	600mm	400mm	Yes	1170 x 550mm

ADDITIONAL PRODUCT DETAILS

* 1000 mm high enclosures and above have espagnolette three point locking.



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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