



Vishwakarma Enterprises

Office :- Survey No - 49/2/1/2, Near Jay Engineers, Next to Shri Sai Industrial Estate, Jadhav Nagar Bhag I, Gujarwadi Road, Near Katraj, PUNE- 411 046 (Maharashtra), India. Phone: +91- 9028076834 / 09766546799 Email:- info@vishwakarmaelectrotek.in / Website:-www.vishwakarmaelectrotek.in



Hoffman MCS-HP IP66 & MCSS-HP IP66

Hoffman MCS-HP IP66 mild steel version

Industry Standards

CE, UK CA, UL / NEMA Type 4, 12 IP66 IK10



The nVent Hoffman MCS-HP is a range of mild steel, single-door, combinable floor-standing enclosures with an IP66 protection rating.

The "Hoffman MCS HP IP66" refers to a line of nVent HOFFMAN modular, single-door, floor-standing enclosures with an IP66 protection rating. These enclosures are designed to protect electrical and electronic components from dust and water ingress in harsh environments. They are made of mild steel and are combinable, allowing users to create customized configurations.

Key Features:

Modular Design: The MCS-HP enclosures can be combined to create larger configurations, offering flexibility in size and layout.

IP66 Protection: This rating indicates that the enclosures are dust-tight and protected against strong water jets.

Mild Steel Construction: Provides a robust and durable housing for sensitive equipment.

Single Door: Features a single door for easy access to the enclosure's interior.

Floor Standing: Designed to be installed directly on the floor.

Bayable: Can be bayed together with other MCS-HP enclosures using standard brackets.

Important Considerations:

Side Panels (SPM): Mild steel side panels need to be ordered separately to close off individual enclosures or enclosure assemblies when bayed together, ensuring the IP66 rating is maintained, [according to nVent](#).

Baying Gasket (HPPG01): A separate baying gasket (HPPG01) is required to maintain the IP66 rating when baying enclosures together, according to nVent.

Material: The frame is made of 1.5 mm painted steel, the door is 2 mm, and the rear, roof, and side panels are 1.5 mm, [according to nVent](#).

Mounting Plate: The mounting plate is 3 mm galvanized steel, according to nVent.

Here's a breakdown of its key features:

Protection: The enclosure boasts a high protection rating, complying with IP66, TYPE 4, 12, and IK10 standards. This makes it suitable for use in harsh environments with demanding conditions, protecting enclosed components from dust, water, and impact, and potentially extending their lifespan while reducing maintenance costs.

Material and Finish: The frame, rear, roof, and side panels are constructed from 1.5mm painted steel, while the door is made of 2mm painted steel. The mounting plate is 3mm galvanized steel, and the bottom plates are 1mm galvanized steel. It features a RAL 7035 structured powder coating.

Features and Design: The MCS-HP is equipped with a seam-welded frame with a 25mm hole pattern for mounting, a door that can be opened either left or right, a removable roof panel, and a single-piece bottom plate with a polyurethane gasket to ensure a tight seal. All panels are earthed through their fittings and have separate earthing studs. It also includes an Espagnolette 4-point locking system.

Modularity and Combinability: These enclosures are designed for flexibility and can be combined to create larger configurations based on the required size. They are rated as IP66 even when combined with standard baying brackets.
Applications: The MCS-HP range is well-suited for electrical enclosures, climate control, data center and networking solutions, and ergonomic material handling applications.

Important Notes: Side panels (SPM) need to be ordered separately to close individual enclosures and ensure the stated IP protection degree is achieved.

Baying gaskets (HPPG01) are also required for bayed configurations to maintain the IP66 rating.



We connect and protect

Modular Single Door Mild Steel, MCS-HP



The mild steel single door combinable floor standing enclosure range, MCS-HP, with a IP 66 protection degree offers a higher protection level for equipment and components which will help extend their lifetime and reduce maintenance costs when the enclosure is installed for rough environments with severe conditions. These new enclosures are rated as IP66 even if they are bayed using the standard baying brackets.

INDUSTRY STANDARDS

CE, UK CA, UL

NEMA Type 4, 12

IP66

IK10

FEATURES

Material: Frame: 1.5 mm painted steel. Door: 2 mm painted steel. Rear, roof and side panels: 1.5 mm painted 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: Mounted with four hinges allowing left or right hand opening. Including door frame with 25 mm hole pattern.

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 insert. Standard inserts, cylinders, lift handles and T-handles are available as accessories.

Bottom plates: One piece bottom plate, with injected polyurethane gasket to ensure maximum sealing.

Mounting plate: Double folded and slides into position. Adjustable in depth by steps of 25 mm, with the MPD02 accessory. Supplied, attached on the outside of the enclosure packaging.

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

Finish: RAL 7035 structured powder coating.

Protection: Complies with IP 66 | TYPE 4, 12 | IK 10.

Mounting requirements: Standard delivery ready for combined installation. For stand-alone installation add side panels.

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

SPECIFICATIONS

Body Thickness:	1.5mm
Door Thickness:	2mm
Color:	Light Gray
Material:	Mild Steel
Finish:	Powder Coated
Color Code:	RAL 7035

Catalog Number	Height	Width	Depth	Max Mounting Depth	Quick Ship
MCS20086HP	2000mm	800mm	600mm	559mm	No
MCS22088HP	2200mm	800mm	800mm	759mm	No

Hoffman MCSS-HP IP66 - stainless steel version

a stainless steel version (MCSS-HP) is also available and is typically recommended for environments requiring even higher corrosion resistance (e.g., food and beverage industries).

Industry Standards

CE, UK CA, UL / NEMA Type 4X, 12 IP66 IK10



MCSS HP IP66 refers to a [nVent HOFFMAN](#) Modular Single Door enclosure that is stainless steel, combinable, floor-standing, and offers IP66 protection. This means it's designed for housing electrical and electronic components, providing a high level of protection against dust and water ingress, even when multiple units are bayed together.

Here's a more detailed breakdown:

MCSS: This stands for Modular Single Door, Stainless Steel.

HP: This indicates the enclosure is part of the "High Protection" series, specifically designed for demanding environments.

IP66: This is an [Ingress Protection \(IP\) rating](#) that signifies the enclosure's ability to protect against dust and powerful water jets.

Floor-standing: The enclosure is designed to be placed directly on the floor, rather than wall-mounted.

Combinable: The MCSS HP series allows for multiple enclosures to be joined together, creating larger configurations.

Stainless Steel: The enclosure is made from stainless steel, offering corrosion resistance and durability.

Here's a breakdown of the description:

MCSS-HP: This is the product name for a range of modular enclosures offered by nVent HOFFMAN. "MCSS" likely stands for Modular Single Door, Stainless Steel, and "HP" might indicate High Protection.

IP66: This refers to the Ingress Protection (IP) rating of the enclosure. The IP rating system classifies the degree of protection provided by electrical enclosures against the intrusion of solid objects and liquids, according to the International Electrotechnical Commission (IEC) standard 60529.

The first digit (6) indicates that the enclosure is completely dust-tight, meaning no dust or debris can enter and affect the internal components.

The second digit (6) indicates that the enclosure is protected against powerful water jets from any direction. This means it can withstand heavy rain, hose-downs, or strong water splashes without water seeping in.

Description: These enclosures are made from high-quality stainless steel (specifically AISI 304L or AISI 316L). They are designed for use in demanding indoor or outdoor environments where equipment needs robust protection against dust and water. They offer features like a seam-welded frame, hinged door (with left or right-hand opening options), removable panels, and a mounting plate that can be adjusted in depth.

Applications: IP66 enclosures are commonly used in various industrial and outdoor settings like manufacturing plants, food and beverage processing, washdown areas, outdoor telecom towers, and marine environments. They are suitable for housing a wide range of electrical and electronic components, including motor starters, control panels, sensitive electronics, and automation systems.

Key takeaways

High Level of Protection: The MCSS-HP IP66 enclosures provide a high level of protection against both solid and liquid ingress, making them ideal for harsh environments.

Durability and Reliability: Constructed from robust stainless steel, these enclosures are built to withstand challenging conditions and protect critical equipment.

Versatility: The modular design allows for flexible configurations and can be adapted to meet specific application requirements, including options for customization and accessories.

In essence, MCSS HP IP66 refers to a modular, single-door enclosure crafted from stainless steel that provides robust protection against dust and powerful water jets, making it suitable for a wide array of demanding industrial and outdoor applications.



We connect and protect

Modular Single Door, MCSS-HP



The stainless steel single door combinable floor standing enclosure range, MCSS-HP, with a IP 66 protection degree offers a higher protection level for equipment and components which will help extend their lifetime and reduce maintenance costs when the enclosure is installed for rough environments with severe conditions. These new enclosures are rated as IP66 even if they are bayed between them using the standard baying brackets.

INDUSTRY STANDARDS

CE, UK CA, UL

NEMA Type 4X, 12, 13

IP66

IK10

FEATURES

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

Mounting requirements: For stand-alone installation, add side panels. For combined installation, HPPG01 and baying brackets, CCI and CCM are required.

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

Bottom plates: One piece bottom plate, with injected polyurethane gasket to ensure maximum sealing.

Side panels: Supplied as an accessory.

Roof panel: Removable.

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

Protection: Complies with IP 66, TYPE 4X, 12, IK 10.

Mounting plate: Double folded and slides into position. Adjustable in depth by steps of 25 mm, with the MPD02 accessory. Mounting plate is supplied, attached on the outside of the enclosure packaging.

Material: AISI 304L pre-grained stainless steel / AISI 316L (on request). Frame: 1.5 mm. Door: 2 mm. Rear, roof and side panels: 1.5 mm. Bottom plates: 1.5 mm stainless steel. Mounting plate: 3 mm galvanized steel.

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

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

Finish: 400s pre-grained stainless steel (0.5 microns average).

Door: Mounted with four hinges, allowing left or right hand opening. Including door frame with 25 mm hole pattern.

SPECIFICATIONS

Body Thickness:	1.5mm
Door Thickness:	2mm
Finish:	Brushed
Material:	Stainless Steel

Table 1/1

Catalog Number	Height	Width	Depth	Max Mounting Depth	Quick Ship
MCSS20086HP	2000mm	800mm	600mm	559mm	No
MCSS22088HP	2200mm	800mm	800mm	759mm	No

ADDITIONAL PRODUCT DETAILS

*Other dimensions available on request. Special side panel is required if depth is greater than 700 mm.

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.