



CATALOGO AVANTIA NEMA ENCLOSURES

NEMA ENCLOSURES

NEMA 4/4X
NEMA 6
NEMA 7/8/9
NEMA 3 / 3R / 12 / 1





CATALOGO AVANTIA NEMA ENCLOSURES



Certificate of Compliance

Certificate Number:
UL-US-2409805-0

Report Reference:
E539988-20240429

Issue Date:
2024-05-01

Issued to:
AVANTIA METALES SA DE CV
AV. FULTON 18 FRACCIONAMIENTO VALLE DE ORO SAN JUAN DEL RIO, Queretaro 76803 Mexico

This certificate confirms that representative samples of:
CYIV - Cabinets and Cutout Boxes
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
UL 50, 13th Ed., Issue Date: 2015-10-16, Revision Date: 2020-10-15, UL 50E, 3rd Ed., Issue Date: 2020-10-15

Additional Information:
See UL Product iQ® at <https://iq.ulinspector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.
Look for the UL Certification Mark on the product.


David Piecuch
UL Mark Certification Program Manager



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions please contact UL Customer Service at <https://www.ul.com/contact>

Page 1 of 2 © 2024 UL LLC. All rights reserved. Form IULID-013025-GC-Ca - ver 1.0

Tipos de Gabinetes Industriales (Metálicos)

Gabinetes Metálicos

Alta resistencia mecánica y protección contra polvo, humedad e impactos. Ideales para aplicaciones industriales exigentes.

Gabinetes Modulares

Diseño flexible que permite expansión y personalización. Facilitan la reorganización sin modificar la instalación.

Gabinetes de Soporte Independiente

Instalación autónoma sin necesidad de fijación a pared. Ideales para aplicaciones que requieren movilidad y flexibilidad.

Gabinetes de Montaje en Pared

Optimizan espacio al fijarse directamente a muro. Permiten fácil acceso a componentes.

Gabinetes Antisísmicos

Diseñados para zonas de riesgo sísmico. Ofrecen estabilidad y protección contra vibraciones.

Gabinetes para Ambientes Extremos

Máxima protección en entornos peligrosos (gases, vapores, inflamables). Cumplen normativas de seguridad industrial.

NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

GABINETE MODULAR
AUTOSOPORTADO

NEMA: 4X IP: 66

PRODUCTO / NO. DE PARTE:

AUTOSOPORTADO

MODULAR INOX

DIMENSIONES:

1800 MM X 800 MM X 600 MM

1800 MM X 800 MM X 800 MM

1800 MM X 1000 MM X 800 MM



NEMA 4/4X

NEMA 4/4X

Nuestros gabinetes NEMA 4 o IP 66 para exteriores brindan protección contra contacto accidental, polvo, lluvia, viento, salpicaduras y chorros de agua. Además, resisten la formación de hielo, garantizando durabilidad en condiciones extremas.

Opciones:

Autosoportado / Modular

Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica





CATALOGO AVANTIA NEMA ENCLOSURES

Two-Door with 3-Point Latches and Floor Stands, Type 4

NEMA: 4 IP: 55

PRODUCTO / NO. DE PARTE:

INDUSTRY STANDARDS UL 508A Listed; Type 4,
12; File No. E61997 cUL Listed per CSA C22.2 No.
94; Type 4, 12; File No. E61997 NEMA/EEMAC,
Type 3, 4, 12, 13 IEC 60529, IP66 APPLICATION

These enclosures are ideal for indoor or outdoor applications where it is necessary to protect controls and instrumentation from wet, non-corrosive environments. The design features an exclusive POWERGLIDE Handle with 3-point latching for secure closure and floor stands that provide additional height and access for cleaning under the enclosure.



NEMA 4/4X

NEMA 4 IP 66

Opciones:

A62H4810LP3PT	1576 x 1221 x 256
A62H4818LP3PT	1576 x 1221 x 459
A62H6012LP3PT	1576 x 1526 x 306
A62H6018LP3PT	1576 x 1526 x 459
A74H6012LP3PT	1881 x 1526 x 306
A74H6018LP3PT	1881 x 1526 x 459
A74H7212LP3PT	1881 x 1830 x 306
A74H7218LP3PT	1881 x 1830 x 459
A74H7224LP3PT	1881 x 1830 x 611



Normas / Certificaciones



IP66



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica



FEATURES

- Three-point latch for security and ease of use
- Return flange around the door opening excludes liquids and contaminants
- Removable centerpost permits easy panel installation SPECIFICATIONS
- 3-point latch system with POWERGLIDE padlocking handles
- Seams continuously welded and ground smooth; no holes or knockouts
- Body stiffeners • Panel supports • Heavy gauge continuous hinge with stainless steel hinge pin • Data pocket is high-impact thermoplastic • 12-in. floor stands are welded to enclosure • Heavy-duty lifting eyes • Oil-resistant door gasket • Collar stud for mounting optional panels • Grounding stud on body • Bonding provision on door • Provision for mounting fluorescent light FINISH ANSI 61 gray polyester paint inside and out over pretreated surfaces. Optional panels have white or conductive finish.

These enclosures are ideal for indoor or outdoor applications where it is necessary to protect controls and instrumentation from wet, non-corrosive environments. The design features an exclusive POWERGLIDE Handle with 3-point latching for secure closure and floor stands that provide additional height and access for cleaning under the enclosure.

Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica





CATALOGO AVANTIA NEMA ENCLOSURES

Wall-Mount Enclosures and Accessories Continuous Hinge with Clamps, Type 4X

NEMA: 4X IP: 66

PRODUCTO / NO. DE PARTE:

INDUSTRY STANDARDS

UL 508A Listed; Type 3R, 4, 4X, 12; File No. E61997
cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File No. E61997

NEMA/EEMAC Type 3, 3R, 4, 4X, 12, 13
IEC 60529, IP66

Meets NEMA Type 3RX requirements

APPLICATION

For use in indoor and outdoor corrosive environments that require a water-tight seal, this enclosure's seamless foam-in-place gasket and screw-down clamps provide a secure seal against contaminants.



NEMA 4/4X

FEATURES

- Three-point latch for security and ease of use
- Return flange around the door opening excludes liquids and contaminants
- Removable centerpost permits easy panel installation SPECIFICATIONS
- 3-point latch system with POWERGLIDE padlocking handles
- Seams continuously welded and ground smooth; no holes or knockouts
- Body stiffeners • Panel supports • Heavy gauge continuous hinge with stainless steel hinge pin • Data pocket is high-impact thermoplastic • 12-in. floor stands are welded to enclosure • Heavy-duty lifting eyes • Oil-resistant door gasket • Collar stud for mounting optional panels • Grounding stud on body • Bonding provision on door • Provision for mounting fluorescent light FINISH ANSI 61 gray polyester paint inside and out over pretreated surfaces. Optional panels have white or conductive finish.

These enclosures are ideal for indoor or outdoor applications where it is necessary to protect controls and instrumentation from wet, non-corrosive environments. The design features an exclusive POWERGLIDE Handle with 3-point latching for secure closure and floor stands that provide additional height and access for cleaning under the enclosure.

Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica



• SPECIFICATIONS

Type 304 or Type 316L stainless steel bodies and doors
Seams continuously welded and ground smooth
Seamless foam-in-place gasket
Rolled lip around three sides of door
Stainless steel door clamp assembly
Hasp and staple for padlocking
Door removed by pulling stainless steel continuous hinge pin
Data pocket is high-impact thermoplastic
Collar studs provided for mounting optional panels
Exterior hardware on Type 316L stainless steel enclosures matches enclosure material
Bonding provision on door; grounding stud on body
Type 4X and offshore models Stainless Steel 316L

ACCESSORIES

Fast-Operating Clamp Assembly
Panels for Type 3R, 4, 4X, 12 and 13 Enclosures



Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica

NEMA 4X IP 66

Opciones:

A20H1610SSLP	508 x 406 x 254	A30H2410SS6LP	762 x 610 x 254	A42H3010SS6LP	1067 x 762 x 254
A20H1610SS6LP	508 x 406 x 254	A30H3008SSLP	762 x 762 x 203	A48H3608SSLP	1219 x 914 x 203
A24H2010SSLP	610 x 508 x 254	A30H3008SS6LP	762 x 762 x 203	A48H3608SS6LP	1219 x 914 x 203
A24H2010SS6LP	610 x 508 x 254	A36H2408SSLP	914 x 610 x 203	A48H3610SSLP	1219 x 914 x 254
A24H3008SSLP	610 x 762 x 203	A36H2408SS6LP	914 x 610 x 203	A48H3610SS6LP	1219 x 914 x 254
A24H3008SS6LP	610 x 762 x 203	A36H3008SSLP	914 x 762 x 203	A60H3612SSLP	1524 x 914 x 305
A30H2008SSLP	762 x 508 x 203	A36H3008SS6LP	914 x 762 x 203	A60H3612SS6LP	1524 x 914 x 305
A30H2008SS6LP	762 x 508 x 203	A36H3010SSLP	914 x 762 x 254		
A30H2408SSLP	762 x 610 x 203	A36H3010SS6LP	914 x 762 x 254		
A30H2408SS6LP	762 x 610 x 203	A42H3608SSLP	1067 x 914 x 203		
A30H2410SSLP	762 x 610 x 254	A42H3608SS6LP	1067 x 914 x 203		
		A42H3010SSLP	1067 x 762 x 254		

Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica





CATALOGO AVANTIA NEMA ENCLOSURES

**Freestand 1 Door Single Access 3Pt Type 4X,
Brushed, SS304
NEMA: 4X IP: 66
Catalog #: A723624SSFSN4**

PRODUCTO / NO. DE PARTE:

INDUSTRY STANDARDS

**UL 508A Listed; Type 3R, 4, 4X, 12; File No.
Industry Standards**

UL 508A Listed; Type 3R, 4, 4X, 12; File No. E61997
cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File
No. E61997

NEMA/EEMAC Type 3, 3R, 4, 4X, 12, 13

E.I.A. RS-310-D

IEC 60529, IP66

Meets NEMA Type 3RX requirements

APPLICATION

For use in indoor and outdoor corrosive environments that require a water-tight seal, this enclosure's seamless foam-in-place gasket and screw-down clamps provide a secure seal against contaminants.



NEMA 4/4X

FEATURES

- Seams continuously welded and ground smooth; no holes or knockouts
- Heavy-duty lifting eyes are Type 316L stainless steel
- Heavy-duty three-point latching mechanism operated by Type 316L stainless steel PowerGlide padlocking handle.
- Seamless foam-in-place gasket assures a water-tight and dust-tight seal
- Body flange trough collar excludes liquids and contaminants
- Heavy-gauge continuous hinges support each door
- High-impact thermoplastic data pocket provided with each enclosure
- Mounting channels welded horizontally to interior body sides at top, bottom and center
- Optional panels and rack mounting angles can be mounted anywhere along channels
- Bonding provision on door; grounding stud on body.
- Accessory mounting channel provided in enclosure top.



Normas / Certificaciones

IP66

NEMA
National Electrical Manufacturers Association



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica

• SPECIFICATIONS

Type 304 or Type 316L stainless steel bodies and doors
Seams continuously welded and ground smooth
Seamless foam-in-place gasket
Rolled lip around three sides of door
Stainless steel door clamp assembly
Hasp and staple for padlocking
Door removed by pulling stainless steel continuous hinge pin
Data pocket is high-impact thermoplastic
Collar studs provided for mounting optional panels
Exterior hardware on Type 316L stainless steel enclosures matches enclosure material
Bonding provision on door; grounding stud on body
Type 4X and offshore models Stainless Steel 316L

ACCESSORIES

Fast-Operating Clamp Assembly
Panels for Type 3R, 4, 4X, 12 and 13 Enclosures



Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica

NEMA 4X IP 66

Opciones:

A602418FSG	1526 x 611 x 459
A722418FSG	1830 x 611 x 459
A723018FSG	1830 x 764 x 459
A723618FSG	1830 x 916 x 459
A902420FSG	2288 x 611 x 510
A903620FSG	2288 x 916 x 510
A603624FSG	1526 x 916 x 611
A722424FSG	1830 x 611 x 611
A723024FSG	1830 x 764 x 611
A723624FSG	1830 x 916 x 611
A903624FSG	2288 x 916 x 611

Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica





CATALOGO AVANTIA NEMA ENCLOSURES

**Freestand 2 Door DUAL Access 3Pt Type 4X
, Brushed, SS304
NEMA: 4X IP: 66**

INDUSTRY STANDARDS

**UL 508A Listed; Type 3R, 4, 4X, 12; File No.
Industry Standards**

UL 508A Listed; Type 3R, 4, 4X, 12; File No. E61997
cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File
No. E61997

NEMA/EEMAC Type 3, 3R, 4, 4X, 12, 13

E.I.A. RS-310-D

IEC 60529, IP66

Meets NEMA Type 3RX requirements

APPLICATION

For use in indoor and outdoor corrosive environments that require a water-tight seal, this enclosure's seamless foam-in-place gasket and screw-down clamps provide a secure seal against contaminants.



NEMA 4/4X

FEATURES

- Seams continuously welded and ground smooth; no holes or knockouts
- Heavy-duty lifting eyes are Type 316L stainless steel
- Heavy-duty three-point latching mechanism operated by Type 316L stainless steel PowerGlide padlocking handle.
- Seamless foam-in-place gasket assures a water-tight and dust-tight seal
- Body flange trough collar excludes liquids and contaminants
- Heavy-gauge continuous hinges support each door
- High-impact thermoplastic data pocket provided with each enclosure
- Mounting channels welded horizontally to interior body sides at top, bottom and center
- Optional panels and rack mounting angles can be mounted anywhere along channels
- Bonding provision on door; grounding stud on body.
- Accessory mounting channel provided in enclosure top.



Normas / Certificaciones

IP66

NEMA
National Electrical Manufacturers Association



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica

• SPECIFICATIONS

Type 304 or Type 316L stainless steel bodies and doors
Seams continuously welded and ground smooth
Seamless foam-in-place gasket
Rolled lip around three sides of door
Stainless steel door clamp assembly
Hasp and staple for padlocking
Door removed by pulling stainless steel continuous hinge pin
Data pocket is high-impact thermoplastic
Collar studs provided for mounting optional panels
Exterior hardware on Type 316L stainless steel enclosures matches enclosure material
Bonding provision on door; grounding stud on body
Type 4X and offshore models Stainless Steel 316L

ACCESSORIES

Fast-Operating Clamp Assembly
Panels for Type 3R, 4, 4X, 12 and 13 Enclosures



Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica

NEMA 4X IP 66

Opciones:

A604818SSFSNDN4	1526 x 1221 x 459
A724818SSFSNDN4	1830 x 1221 x 459
A726018SSFSNDN4	1830 x 1526 x 459
A727218SSFSNDN4	1830 x 1830 x 459
A904820SSFSNDN4	2288 x 1221 x 510
A907220SSFSNDN4	2288 x 1830 x 510
A724824SSFSNDN4	1830 x 1221 x 611
A726024SSFSNDN4	1830 x 1526 x 611
A727224SSFSNDN4	1830 x 1830 x 611
A907224SSFSNDN4	2288 x 1830 x 611
A726036SSFSNDN4	1830 x 1526 x 916
A907236SSFSNDN4	2288 x 1830 x 916

Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica





CATALOGO AVANTIA NEMA ENCLOSURES

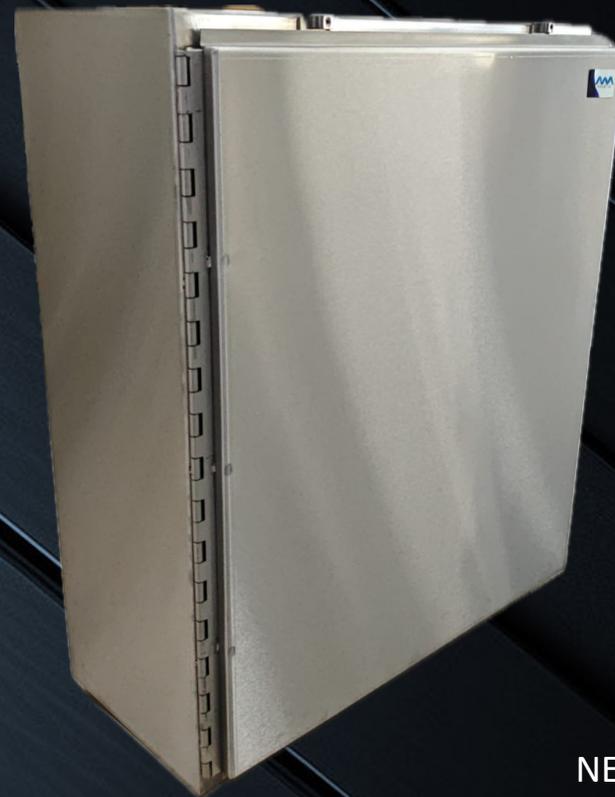
continuous-Hinge with clamps, type 4x

NEMA: 4X IP: 66

inDustRy stanDaRDs UL 50, 50E Listed; Type 3R, 4, 4X, 12; File No. E27567 cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File No. E27567 UL 508A Listed; Type 3R, 4, 4X, 12; File No. E61997 cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File No. E61997 NEMA/EEMAC Type 3R, 4, 4X, 12, 13 CSA File No. 42184; Type 4, 4X, 12 IEC 60529, IP66 Meets NEMA Type 3RX requirements

Application

Used in either indoor or outdoor applications, these enclosures combine a rugged continuous hinge, seamless foam-in-place gasket and stainless steel screw-down clamps for a reliable seal that protects components from corrosive environments



NEMA 4/4X

FEATURES

- Seams continuously welded and ground smooth; no holes or knockouts
- Heavy-duty lifting eyes are Type 316L stainless steel
- Heavy-duty three-point latching mechanism operated by Type 316L stainless steel PowerGlide padlocking handle.
- Seamless foam-in-place gasket assures a water-tight and dust-tight seal
- Body flange trough collar excludes liquids and contaminants
- Heavy-gauge continuous hinges support each door
- High-impact thermoplastic data pocket provided with each enclosure
- Mounting channels welded horizontally to interior body sides at top, bottom and center
- Optional panels and rack mounting angles can be mounted anywhere along channels
- Bonding provision on door; grounding stud on body.
- Accessory mounting channel provided in enclosure top.



CATALOGO AVANTIA
El más alto nivel de ingeniería metal-mecánica

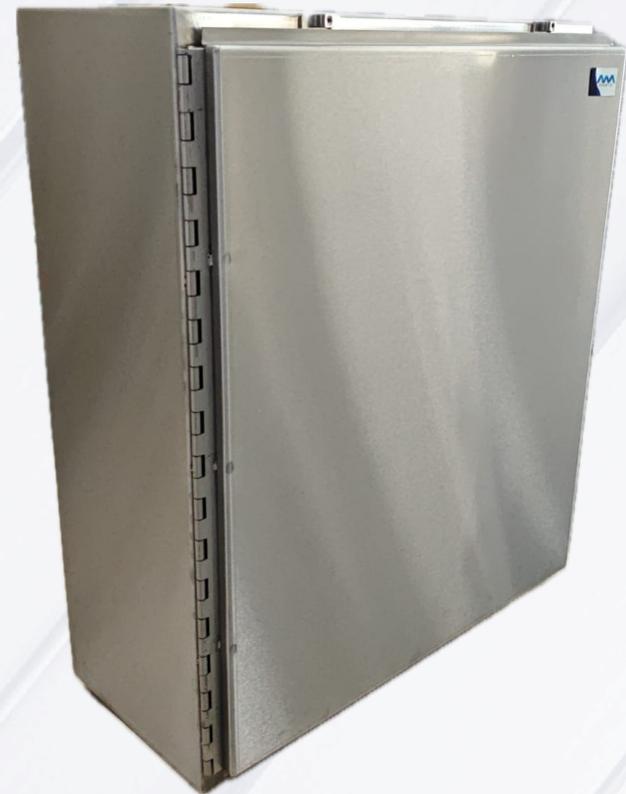
Specifications

- 16 and 14 gauge Type 304 or 316L stainless steel
- Seams continuously welded and ground smooth
- Seamless foam-in-place gasket
- Stainless steel screws and clamps
- Pull stainless steel continuous hinge pin to remove door
- Weldnuts provided for mounting optional panels and terminal block kits
- Bonding provision on door and body

Finish Cover and sides of body have smooth #4 brushed finish.

Finish

Enclosures are unpainted. Cover, sides, top and bottom have smooth #4 brushed finish. Optional steel panels, swing-out panels, side-mounted panels, rack-mounting frames, heavy-duty panel supports and center panel supports are white. Optional full, half and side-mounted conductive panels are available.



Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica

Opciones:

NEMA 4X IP 66

A6044CHNFSS	152 x 102 x 102
A6066CHNFSS	152 x 152 x 102
A8064CHNFSS	203 x 152 x 102
A1008CHNFSS	254 x 203 x 102
A12106CHNFSS	305 x 254 x 152
A1212CHNFSS	305 x 305 x 152
A1412CHNFSS	356 x 305 x 152
A1614CHNFSS	406 x 356 x 152

Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica





CATALOGO AVANTIA NEMA ENCLOSURES

Free-Stand, Type 3R and 4, Single or Dual Access

NEMA: 3R IP: 55

INDUSTRY STANDARDS

UL 508A Listed; Type 12, 3R, 4; File No. E61997
cUL Listed per CSA C22.2 No. 94; Type 12, 3R, 4; File No.
E61997 NEMA/EEMAC Type 12, 3R, 4
E.I.A. RS310D
IEC 60529, IP66

Applicable industry standards only for enclosures with
Seismic Accessories:

NEBS- Telcordia GR-63-CORE Zone 4, tested with 1000 lbs
evenly distributed
OSHDP Pre-Approval OPM-0247-13

APPLICATION

Available with front or front and rear access, these Type
12, 3R and 4 enclosures have sturdy unibody construction
and flexible internal mounting options.

Application

Used in either indoor or outdoor applications, these
enclosures combine a rugged continuous hinge, seamless
foam-in-place gasket and stainless steel screw-down
clamps for a reliabseal that protects components from
corrosive environments



NEMA 4/4X

FEATURES

SPECIFICATIONS

steel Seams continuously welded and ground smooth;
no holes or knockouts
Stiffeners on back of two-door enclosures maintain flatness and increase rigidity
Lifting eyes for easy handling
3-point latches operated by defeater Powerglide handle
Concealed, easy-to-remove stainless steel hinges
Data pockets are high-impact thermoplastic
Internal mounting channels welded horizontally to sides at top, bottom and center
Optional panels and rack mount angles can be mounted anywhere along channels
Oil-resistant door gasket
Bonding provision on door
Provision for mounting LED light



Normas / Certificaciones

IP66

NEMA
National Electrical Manufacturers Association



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica



GABINETES AUTOSOPORTADOS – 1 ACCESO (SINGLE ACCESS)

MODELO	DIMENSIONES (mm)
A602418FSG	1526 x 611 x 459
A722418FSG	1830 x 611 x 459
A723018FSG	1830 x 764 x 459
A723618FSG	1830 x 916 x 459
A902420FSG	2288 x 611 x 510
A903620FSG	2288 x 916 x 510
A603624FSG	1526 x 916 x 611
A722424FSG	1830 x 611 x 611
A723024FSG	1830 x 764 x 611
A723624FSG	1830 x 916 x 611
A903624FSG	2288 x 916 x 611

GABINETES AUTOSOPORTADOS – DOBLE ACCESO (DUAL ACCESS)

MODELO	DIMENSIONES (mm)
A722424FSDA	1830 x 611 x 611
A723024FSDA	1830 x 764 x 611
A723624FSDA	1830 x 916 x 611
A903624FSDA	2288 x 916 x 611
A722430FSDAG	1830 x 611 x 764
A722436FSDAG	1830 x 611 x 916
A723636FSDAG	1830 x 916 x 916
A903636FSDA	2288 x 916 x 916



Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica





CATALOGO AVANTIA NEMA ENCLOSURES

StainleSS Steel Heavy-duty Free-Stand Flange-Mount diSConneCtS, tyPe 4X

NEMA: 4X IP: 66

induStry StandardS UL 508A Listed 508; Type 3R, 4, 4X, 12; File No. E61997 cUL Listed per CSA C22.2 No. 94; Type 3R, 4, 4X, 12; File No. E61997 NEMA/EEMAC Type 3R, Type 4, 4X, 12 IEC 60529, IP66 Meets NEMA Type 3RX requirements

aPPLiCation

This disconnect enclosure is designed to house electronic controls and components. It provides protection from noncorrosive or mildly corrosive elements in both indoor and outdoor environments. Typical applications are in the food and beverage, packaging, water, petroleum and chemical processing industries. Designed to house the most popular disconnect switches and circuit breakers.



NEMA 4/4X

FEATURES

SPeCiFiCaTiOnS • Manufactured from 12 gauge Type 304 stainless steel • Seams continuously welded and ground smooth • Body stiffeners in larger enclosures for extra rigidity • Body flange trough collar excludes liquids and contaminants • Heavy-duty lifting eyes anchor into reinforced top • Removable centerposts permit easy panel installation • Heavy-gauge continuous hinges • Heavy-duty 3-point latching mechanism operated by Type 316L stainless steel PowerGlide padlocking handle on all doors • Panel supports • Data pocket is high-impact thermoplastic • Seamless foam-in-place gasket provides oil-tight and dust-tight seal against contaminants • Removable 11 gauge steel panels mount on collar studs • Master door is far right-hand door on all enclosures • Type 316 stainless steel handle with defeater on master door • Type 316 stainless steel handle (non-defeater) on slave door • Mechanical interlock activated by master door prevents slave doors from being opened first. Doors can be closed in any order. • Preferred cutout on right flange provides mounting for most disconnect operators • Bonding provision on doors; grounding studs on body • Accessory mounting channel provided in enclosure top

FinISH Stainless steel enclosures are unpainted. Sides and body have smooth #4 brushed finish. White mild steel panels are furnished with enclosure. Optional conductive panels are available.



Normas / Certificaciones



IP66



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica



One-Door Enclosures

MODELO	DIMENSIONES (mm)
A72XM2818SSN4	1832 x 718 x 460
A72XM3418SSN4	1832 x 870 x 460
A72XM4018SSN4	1832 x 1022 x 460
A84XM4018SSN4	2137 x 1022 x 460
A90XM4018SSN4	2289 x 1022 x 460
A90XM4020SSN4	2289 x 1022 x 511
A84XM4024SSN4	2137 x 1022 x 613
A90XM4024SSN4	2289 x 1022 x 613

Two-Door Enclosures

MODELO	DIMENSIONES (mm)
A72XM5418SSN4	1832 x 1384 x 460
A72XM6618SSN4	1832 x 1689 x 460
A72XM7818SSN4	1832 x 1994 x 460
A84XM7818SSN4	2137 x 1994 x 460
A90XM7818SSN4	2289 x 1994 x 460
A90XM7820SSN4	2289 x 1994 x 511
A72XM7824SSN4	1832 x 1994 x 613
A84XM7824SSN4	2137 x 1994 x 613
A90XM7824SSN4	2289 x 1994 x 613

Three-Door Enclosures

MODELO	DIMENSIONES (mm)
A72XM3EQ18SSN4	1832 x 2559 x 460
A72XM3EW18SSN4	1832 x 3016 x 460
A84XM3EW18SSN4	2137 x 3016 x 460
A84XM3EW24SSN4	2137 x 3016 x 613
A90XM3EW24SSN4	2289 x 3016 x 613

Four & Five-Door Enclosures

MODELO	DIMENSIONES (mm)
A72XM4EW18SSN4	1832 x 4013 x 460
A84XM4EW18SSN4	2137 x 4013 x 460
A84XM5EW24SSN4	2137 x 5023 x 613



Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica



CATALOGO AVANTIA NEMA ENCLOSURES

concePt With additional QuartEr-turn latchEs, tyPE 4X

NEMA: 4X IP: 66

ndustry standards

*Mounting brackets required to meet
UL/CSA external mounting requirements.*

*NEMA/EEMAC Type 3R, 4, 4X, 12, 13 IEC
60529, IP66*

Meets NEMA Type 3RX requirements

aPplication

For indoor or outdoor applications that require corrosion protection from chemicals and water, CONCEPT enclosures house larger controls and feature streamlined styling with an attractive stroked finish, flush quarter-turn latches and an integral door ramp that ensures the door gasket sealing surface aligns with the enclosure body for secure closure.



NEMA 4/4X

FEATURES

sPEciFications

Manufactured from 14 gauge Type 304 or Type 316L stainless steel
Seams continuously welded and ground smooth
Minimum-width body flange provides maximum body opening
Corner formed doors
External formed 90-degree body flange
Stainless steel quarter-turn latches with flush slotted insert provided on three sides of enclosure door
Integral door alignment device to properly align door and gasket to body offset
Panel mounting studs fit optional CONCEPT panels and other accessories
Mounting holes in back of body for direct mounting or for optional external mounting brackets
Stainless steel hidden hinges
Doors are interchangeable and easily removed by pulling clip-style hinge pins
Provision on door for thermoplastic data pocket
Provision on door for optional doorstop kit
Seamless foam-in-place gasket
Self-grounding latch system with double seal
Bonding provision on door; grounding stud on body
Furnished hardware kit consists of panel mounting nuts, panel grounding hardware and sealing washers for wall-mounting holes
Installation instructions

Finish

Door and body have smooth #4 brushed finish.



Normas / Certificaciones

IP66

NEMA
National Electrical Manufacturers Association



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica



Opciones:

NEMA 4X IP 66

MODELO DIMENSIONES (mm)

CSD30368SSR	762 x 914 x 203
CSD30368SS6R	762 x 914 x 203
CSD36368SSR	914 x 914 x 203
CSD36368SS6R	914 x 914 x 203
CSD363610SSR	914 x 914 x 254
CSD363610SS6R	914 x 914 x 254
CSD423610SSR	1067 x 914 x 254
CSD423610SS6R	1067 x 914 x 254
CSD483610SSR	1219 x 914 x 254
CSD483610SS6R	1219 x 914 x 254
CSD603610SSR	1524 x 914 x 254

MODELO DIMENSIONES (mm)

CSD363612SSR	914 x 914 x 305
CSD363612SS6R	914 x 914 x 305
CSD423612SSR	1067 x 914 x 305
CSD423612SS6R	1067 x 914 x 305
CSD483612SSR	1219 x 914 x 305
CSD483612SS6R	1219 x 914 x 305
CSD603612SSR	1524 x 914 x 305
CSD603612SS6R	1524 x 914 x 305
CSD423616SSR	1067 x 914 x 406
CSD423616SS6R	1067 x 914 x 406
CSD483616SSR	1219 x 914 x 406
CSD483616SS6R	1219 x 914 x 406
CSD603616SSR	1524 x 914 x 406
CSD603616SS6R	1524 x 914 x 406

MODELO DIMENSIONES (mm)

CSD723616SSR	1829 x 914 x 406
CSD423616SSSR	1067 x 914 x 406
CSD483616SSSR	1219 x 914 x 406
CSD603616SSSR	1524 x 914 x 406
CSD603624SSR	1524 x 914 x 610
CSD603624SS6R	1524 x 914 x 610

Normas / Certificaciones



IP66



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica





CATALOGO AVANTIA NEMA ENCLOSURES

concEpt, type 4 and 12 (s-2961)

NEMA: 4 & 12 IP: 55

industry standards

Wall-mounting brackets required to maintain UL/CSA external mounting requirement.

concept solid single-door, door with window and flush-mount models

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

cUL Listed per CSA C22.2 No. 94; Type 4, 12; File No. E61997

NEMA/EEMAC Type 4, 12, 13 IEC 60529, IP66

concept two-door models

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

cUL Listed per CSA C22.2 No. 94; Type 12; File No. E61997

NEMA/EEMAC Type 12 IEC 60529, IP55

application

Concept Enclosures are ideal for machine control applications. With streamlined styling, flush quarter-turn latches and an attractive, durable finish. Available in solid or window single-door and two-door landscape, flush-mount and sloped-top versions for application and mounting flexibility. Two-door landscape models provide full-width access and easy panel installation.



NEMA 4/4X

FEATURES

spEciFications

- 16 or 14 gauge steel, • Seams continuously welded and ground smooth
- Corner-formed doors, • Simple easy-to-remove and install hinge pins with captivation clip • High-torque threadless studs and fasteners on door, • Minimum-width body flange provides maximum door opening • Door opens 210 degrees • External formed body flange • Panel mounting studs fit optional CONCEPT panels and other accessories • Mounting holes in back of body for direct mounting or optional external mounting brackets
 - Removable door with hidden hinges for clean, aesthetic appearance
 - Seamless foam-in-place gasket • Quarter-turn slotted latch(es)
- Door alignment device on doors wider than 30 in. • Four hinges on 60-in.-high enclosures
 - Grounding stud on body; bonding provision on door (except window-door models)
 - Provisions on door for optional high-impact thermoplastic data pocket
- Hardware kit with panel mounting nuts, panel grounding hardware and sealing washers
 - Installation instructions provided
- single-door and Window-door Models:**
 - 3-point latch system on enclosures with height equal to or greater than 42-in. with quarter turn, slotted latch
- Flush-Mount Models:**
 - Mounting frame extends completely around enclosure
- two-door Models:**
 - Overlapping door design provides full-width access
 - Three-point latch system on right-hand hinged door with quarter- turn, slotted latch

FinisH

Two standard finishes are available: ANSI 61 gray or RAL 7035 textured light-gray polyester powder paint inside and out.



Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica



LÍNEA 6" PROFUNDIDAD (152 mm)

MODELO	DIMENSIONES (mm)
CSD12106	305 x 254 x 152
CSD12106LG	305 x 254 x 152
CSD12126	305 x 305 x 152
CSD12126LG	305 x 305 x 152
CSD12246	305 x 610 x 152
CSD12246LG	305 x 610 x 152
CSD16126	406 x 305 x 152
CSD16126LG	406 x 305 x 152
CSD16166	406 x 406 x 152
CSD16166LG	406 x 406 x 152
CSD16206	406 x 508 x 152
CSD16206LG	406 x 508 x 152
CSD20126	508 x 305 x 152
CSD20126LG	508 x 305 x 152
CSD20166	508 x 406 x 152
CSD20166LG	508 x 406 x 152
CSD20206	508 x 508 x 152
CSD20206LG	508 x 508 x 152
CSD20246	508 x 610 x 152
CSD20246LG	508 x 610 x 152
CSD24126	610 x 305 x 152
CSD24126LG	610 x 305 x 152
CSD24166	610 x 406 x 152
CSD24166LG	610 x 406 x 152
CSD24206	610 x 508 x 152
CSD24206LG	610 x 508 x 152
CSD24246	610 x 610 x 152
CSD24246LG	610 x 610 x 152
CSD30166	762 x 406 x 152
CSD30166LG	762 x 406 x 152
CSD30206	762 x 508 x 152
CSD30206LG	762 x 508 x 152
CSD30246	762 x 610 x 152
CSD30246LG	762 x 610 x 152

LÍNEA 8" PROFUNDIDAD (203 mm)

MODELO	DIMENSIONES (mm)
CSD16128	406 x 305 x 203
CSD16168	406 x 406 x 203
CSD16168LG	406 x 406 x 203
CSD16208	406 x 508 x 203
CSD16208LG	406 x 508 x 203
CSD20128	508 x 305 x 203
CSD20128LG	508 x 305 x 203
CSD20168	508 x 406 x 203
CSD20168LG	508 x 406 x 203
CSD20208	508 x 508 x 203
CSD20208LG	508 x 508 x 203
CSD20248	508 x 610 x 203
CSD20248LG	508 x 610 x 203
CSD24128	610 x 305 x 203
CSD24128LG	610 x 305 x 203
CSD24168	610 x 406 x 203
CSD24168LG	610 x 406 x 203
CSD24208	610 x 508 x 203
CSD24208LG	610 x 508 x 203
CSD24248	610 x 610 x 203
CSD24248LG	610 x 610 x 203
CSD30168	762 x 406 x 203
CSD30168LG	762 x 406 x 203
CSD30208	762 x 508 x 203
CSD30208LG	762 x 508 x 203
CSD30248	762 x 610 x 203
CSD30248LG	762 x 610 x 203
CSD30308	762 x 762 x 203
CSD30308LG	762 x 762 x 203
CSD30368	762 x 914 x 203
CSD30368LG	762 x 914 x 203

LÍNEA GRANDE (HASTA 42")

MODELO	DIMENSIONES (mm)
CSD36248	914 x 610 x 203
CSD36248LG	914 x 610 x 203
CSD36308	914 x 762 x 203
CSD36308LG	914 x 762 x 203
CSD36368	914 x 914 x 203
CSD36368LG	914 x 914 x 203
CSD42248	1067 x 610 x 203



Normas / Certificaciones



CATALOGO AVANTIA

El más alto nivel de ingeniería metal-mecánica



CATALOGO AVANTIA NEMA ENCLOSURES

type 4x

NEMA: 4X IP: 66

inDustRy stanDaRDs UL 50, 50E Listed; Type 3R, 4, 4X, 12; File No. E27567 cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File No. E27567 UL 508A Listed; Type 3R, 4, 4X, 12; File No. E61997 cUL Listed per CSA C22.2 No 94; Type 3R, 4, 4X, 12; File No. E61997 NEMA/EEMAC Type 3R, 4, 4X, 12, 13 CSA File No. 42184; Type 4, 4X, 12 IEC 60529, IP66 Meets NEMA Type 3RX requirements

Application

Used in either indoor or outdoor applications, these enclosures combine a rugged continuous hinge, seamless foam-in-place gasket and stainless steel screw-down clamps for a reliabseal that protects components from corrosive environments

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA NEMA EX PROOF

INDUSTRY STANDARDS – EXPLOSION PROOF

UL 1203 Listed; Class I, Division 1 & 2, Groups B, C, D
UL 1203 Listed; Class II, Division 1 & 2, Groups E, F, G
UL 50 / 50E Listed; Type 4, 4X, 7, 9
File No. (según modelo)
cUL Listed per CSA C22.2 No. 30
Class I, Groups B, C, D
Class II, Groups E, F, G
ATEX Directive 2014/34/EU (opcional según modelo)
II 2G Ex db IIB/IIC T6 Gb
II 2D Ex tb IIIC T85°C Db
IECEX Certified (opcional)
Ex db IIB/IIC T6 Gb
Ex tb IIIC T85°C Db
NEMA/EEMAC Type 4, 4X, 7, 9
IEC 60529, IP66 / IP67

APPLICATION

Designed for hazardous locations where explosive gases, vapors, or combustible dusts may be present.

These explosion-proof enclosures provide maximum protection by containing internal explosions and preventing ignition of the surrounding atmosphere.

Constructed with heavy-duty stainless steel or cast aluminum bodies, precision-machined flame paths, and high-integrity gasket systems, they ensure a reliable seal against moisture, dust, and corrosive environments.

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

GABINETE JUMBO
AUTOSOPORTADO
NEMA: 4X IP: 66

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA

NEMA ENCLOSURES

GABINETE NEMA 4X
CIERRE CLAMPS

NEMA: 4X IP: 66

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA

NEMA ENCLOSURES

GABINETE MODULAR
AUTOSOPORTADO

NEMA: 4X IP: 66

DIMENSIONES: A LA MEDIDA



Reno5 L

NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

GABINETE MONTAJE EN PARED

NEMA: 4X IP: 66

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

CAJA NEMA 4X

NEMA: 4X IP: 66

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

GABINETE NEMA 4
ACERO AL CARBON
NEMA: 4 IP: 55

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

GABINETE
AUTOSOPORTADO
NEMA: 4X IP: 66

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

GABINETE INOX 2 PUERTAS

NEMA: 4X IP: 66

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA

NEMA ENCLOSURES

GABINETE MODULAR
AUTOSOPORTADO
ACERO AL CARBON

NEMA: 3R IP: 55

DIMENSIONES: A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

GABINETE AUTOSOPORTADO DOBLE
PUERTA ACERO AL CARBON

NEMA: 3R IP: 55

DIMENSIONES:A LA MEDIDA



NEMA 4/4X



CATALOGO AVANTIA NEMA ENCLOSURES

GABINETE CON ZOCLO
AUTOSOPORTADO

NEMA: 3R IP: 55

DIMENSIONES: A LA MEDIDA



NEMA 4/4X

NEMA & IP



NEMA promueve la competitividad de todos los productos de la industria eléctrica de los EE.UU. a través del desarrollo, la defensa en las legislaturas federal y estatal, las agencias ejecutivas, la recolección y el análisis de datos económicos.

Similar a la IEC 60529, la norma NEMA 250 cubre gabinetes para equipo eléctrico. Igual que la IEC 60529, NEMA 250 se ocupa de la protección contra el ingreso, pero difiere en que también se ocupa de las especificaciones que detallan los criterios mínimos de la construcción, el rendimiento, de pruebas, la resistencia a la corrosión y mucho más. Aun cuando su comienzo está basado en los Estados Unidos, NEMA es una organización global que trabaja para promover las normas eléctricas en todo el mundo. números IP son frecuentemente indicados en gabinetes, conectores, etc.

El tercer dígito, referente a la protección contra impactos mecánicos es generalmente omitido



El sistema de clasificación IP proporciona un medio de clasificar el grado de protección de sólidos (como polvo) y líquidos (como agua) que el equipo eléctrico y gabinetes deben reunir.

El sistema es reconocido en la mayoría de los países y está incluido en varios estándares, incluyendo el IEC 60529.

Los números IP son frecuentemente indicados en gabinetes, conectores, etc.

El tercer dígito, referente a la protección contra impactos mecánicos es generalmente omitido



CARTA GARANTÍA

Empresa:
Producto(s):
Medidas:
Tipo de NEMA / Calibre:
Cantidad:
Fecha de entrega:
Vigencia de la garantía

Por este medio, Avantia Metales, otorga la presente garantía al cliente indicado, aplicable únicamente a los productos descritos.
La garantía cubre defectos de fabricación y materiales bajo condiciones normales de uso durante el periodo señalado.

Exclusiones

Reparaciones o modificaciones realizadas por terceros no autorizados.

Daños ocasionados de manera deliberada, por mal uso o instalación incorrecta.

Uso distinto al especificado o con accesorios ajenos al producto.

Daños ocasionados por transporte, almacenamiento inadecuado o fenómenos naturales.

Limitación de responsabilidad

La responsabilidad de Avantia Metales, se limita exclusivamente a la reparación o sustitución del producto defectuoso. En ningún caso será responsable por pérdidas de producción, lucro cesante o daños indirectos.

Atención a clientes

Teléfono: 427 155 1555

Correo: contacto@avantiametales.com

Dirección: Avenida Constituyentes no. 50, Fracc. Valle de Oro, San Juan del Rio, Queretaro.


Atentamente





CERTIFICADO DE CALIDAD (ejemplo)



CATALOGO ENCLOSURES
El más alto nivel de ingeniería metal-mecánica

El gabinete fabricado a solicitud del cliente tiene las siguientes características y grados de protección:

NEMA 4X / IP66

Sólidos: Proporciona un grado de protección contra el acceso a piezas peligrosas y el ingreso de objetos extraños sólidos (suciedad que cae).

Líquidos: Proporciona un grado de protección contra el ingreso del agua, dirigido con manguera para incendios, 65 galones (246L).- 5 minutos mínimos.

Protección: Agua dirigida con manguera y corrosión. Método de prueba: manguera para incendios, 65 galones (246L)/min.- 5 minutos mínimos, 200 horas de rocío salobre.

POLÍTICA DE CALIDAD DE AVANTIA

Avantia es una empresa altamente competitiva, la estrategia principalmente es participar en nuevos mercados internacionales y a su vez crecer internamente, generando líneas de procesos más completas, para así brindarles una única solución a nuestros clientes y de esta manera ser más rentables.

