



EXM
MANUFACTURING LTD.

CONDITIONS OF SALE

2023 EDITION

The present document contains all the information needed to ensure
the success of our relationship

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EXM CONDITIONS OF SALE

BOXCAD orders

- **BOXCAD** drawings are considered approved when processed by the customer.

Orders for custom enclosures (without **BOXCAD**):

- Every order for custom enclosures requires an approval drawing. The approval drawing is to be designed by **EXM** for production, and is based on **EXM**'s interpretation and tolerance levels. This **EXM** drawing is to be verified and signed by the customer and the distributor for production purposes.
- Please note that all revisions require a new approval drawing. This new drawing must also be signed by the end-user and the revisions must be kept on file by the distributor.
- All production lead time are based on the estimated amount of time required to process the order, starting with the date when **EXM** receives the signed approval drawings. Should it be necessary to revise the specifications or conditions of sale for any reason outside of the control of **EXM**, the customer will acknowledge that the production date will be extended.
- No manufacturing will begin unless the customer and distributor have signed all pages of the **EXM** drawings and stipulated the **EXM** drawing number(s) and latest revision.
- At no time shall the customer hold **EXM** responsible for any delay or damages incurred due to acts of God, priorities or restrictions imposed by Government, delays in transport, delays from our suppliers or delays due to labor and all other delays beyond the control of **EXM**.
- We cannot accept RMA's or returns due to misinterpretations between the customer drawing and the **EXM** approval drawing. Our approval drawing is what our production team uses and **EXM** is not responsible for anything missed on those approval drawings.

Transport policy

- Our products are always shipped F.O.B. from our dock,

regardless of freight payment terms. F.O.B. (free on board) denotes that title to the shipment passes to the purchaser at the instant that the carrier signs the bill of lading, thus confirming that the products are packaged properly. At this stage, it is the customer's responsibility to ensure that the shipment is received in good state, and to file a "Damaged in Transport Claim" if applicable. **EXM** is not responsible for any liability arising and cannot be involved in any recovery process.

- **EXM** will not accept any return shipment due to Transport damages.
- Should repair or replacement of goods be necessary due to transport damages, a new Purchase Order must be issued to **EXM**. **EXM** will authorize a return to their plant, with transport cost at the customer's expense. The customer is responsible for payment of both purchase orders.
 - **EXM** offers prepaid shipments to major urban centers only. For shipments beyond urban centers, charges will apply via a carrier of choice by **EXM**. Prepaid orders must be shipped to the distributor's address; shipping to third party addresses is subject approval by **EXM**. **EXM** reserves the right to produce one shipment per prepaid purchase order, regardless of product origin or purchase order amount (See page 8 for prepaid shipment details). Additional charges may be incurred by the customer when special equipment is requested, i.e. : flat beds, open sides, lift gates.
- Custom items cannot be combined with standard items to determine freight allowances.
- Stipulated weights in our catalogue or price list are estimates only, are not guaranteed and are subject to change.

Warranty

- All products (other than those manufactured by third parties, which have their warranty terms in their respective instruction manuals) are warranted to be free of defects in materials and workmanship for a period of 1 year from date of shipment from **EXM** plant. In the event that a product is proven to be defective, such products shall be repaired or replaced. This repair or replacement shall constitute a fulfillment of all liabilities with respect to such goods. Under no circumstances will a credit be issued for unauthorized rework. All charges

**ALL PURCHASE
ORDERS MUST
CLEARLY INDICATE
THE LATEST REVISION
DRAWING NUMBER.**

EXM CONDITIONS OF SALE

associated with a returned products deemed non-defective by **EXM** shall be charged to the customer.

- **EXM** shall not be liable for damages to goods or property of persons due to improper installation or if the materials purchased are subjected to conditions which exceed the designed capabilities.

Terms

- Net 30 days. Overdue accounts will be charged interest at the amount of 2%/month.

Minimum billing

- Minimum billing is \$250 CA/ \$250 US net of transport and taxes. If a purchase order under this amount must be placed, the customer must add a \$100 CA/ \$100 US processing fee on the purchase order as a separate line item.
- Minimum order value for each **BOXCAD** item is \$850 CA / \$850 USD net before taxes

Quotation and pricing

- Goods will be billed at the price effective at the time of order. **EXM** reserves the right to cancel or adjust prices and delivery date; engineering charges will still be charged if applicable.

Order cancellation

- Orders for standard products may be cancelled only with **EXM**'s written approval.
- Orders for custom products are non-cancellable.

Consequential damages

- **EXM** shall not be liable for any damages whatsoever. (see page 12 for more information)

Penalty clauses

- No penalty clauses of any type or in any specification will be accepted, unless approved in writing by an officer of **EXM**.

Errors, omissions and corrections

The **EXM** catalog, price list, website, flyers and any other printed or electronic literature are subject to errors and omissions. Data included in this material is subject to change without notice.

Returned goods

Only unused **standard EXM** products contained in their original cartons and no more than one year old will be considered for

return. Products may be returned for exchange for other similar products of equal value or greater in the month of July only, and are subject to a maximum of 500.00\$ annually.

All returns are to be pre-paid, pre-authorized and assigned to an RMA (Return merchandise authorization) number issued by **EXM**. Products returned to **EXM** without an RMA number will be refused and returned to the customer at the customer's expense.

Returned goods standard enclosures

EXM require a written request for any product to be returned. Standard product in resalable condition will be assessed a 50 restocking charge. Return freight to be paid by purchaser. Upon receipt of product, EXM will inspect and determine salability. All cost to repair or make product salable will be deducted from the credit amount.

***No returns will be accepted of product that is requested to be returned after 6 months of its initial ship date.**

The following series of products are non returnable :

- 1150 series
- 1500 series
- 1412 series
- 1412 and 1412 X duct and wireway
- air conditioners, heaters, blowers, fans, filters, heat exchangers
- safety disconnect enclosures
- all stainless steel products
- all aluminum products
- 5412 and 5500 double door enclosures
- 6100 & 6500 modular enclosures
- 9412 and 9500 free standing cabinets
- 1100 BT, 1412 BT
- all buttable enclosures
- all ESQT style enclosures
- all EMC enclosures
- PC cabinets
- consoles
- all custom products and accessories

Inner panels shipped separately

- An extra charge will apply for inner panels shipped separately. Please contact **EXM** for more details.

EXM POINTS OF INVENTORY

Blainville, Québec

EXM Headquarters are located in Blainville, QC, a few minutes North of Montreal. **EXM**'s engineering, research & development, accounting and marketing departments are located here.

Headquarters coordinates :
870 boul. Michèle-Bohec,
Blainville, Québec, J7C 5E2

Mirabel, Quebec

18 005 rue Lapointe, Suite 100
Mirabel, Québec, J7J 0G2

Mississauga, Ontario

EXM has a manufacturing facility in Mississauga, ON, near Toronto. A wide variety of industrial, metric and commercial inventory is stocked here.

Plant coordinates :
2450 Meadowpine Blvd.,
Mississauga, Ontario, L5N 7X5

Warehouse coordinates :
6010 Edwards Blvd.,
Mississauga, Ontario, L5T 2W3

Calgary, Alberta

18 Highland Park Way Northeast,
Airdrie, Alberta, T4A 2L5

Moraine, Ohio

EXM has a distribution center that serves the midwest and eastern USA states. A wide variety of industrial and commercial inventory is stocked here.

Distribution and Service center
coordinates :
2279 Arbor Blvd.,
Moraine, Ohio, 454439

Fort Worth, Texas

EXM has a distribution center that serves the western USA states. A wide variety of industrial and commercial inventory is stocked here.

Plant & warehouse coordinates :
5650 Stratum Drive,
Fort Worth, Texas, 76137

CANADA

USA

EXM SHIPPING SCHEDULES

Important: The production time stated by customer service or indicated on quotations always exclude the transport/transit time. All products are shipped F.O.B. our dock and we do not guarantee transit times, as they are subject to delays which are out of our control.

Standard stock enclosures

Visit: boxnetexm.com to consult our inventory

EXM stocks a wide variety of standard products. Products cannot be verbally “reserved” for a customer. Products will be allocated to a customer upon processing their P.O. Please note that a P.O. will not be processed (and thus the stock will not be allocated) if it includes pricing discrepancies, erroneous or pending shipping information or if credit issues exist with the customer. Standard stock products are usually shipped within 48 hours.

If the order is pre-paid and has custom enclosures, it will not be shipped until all of the products on the order are ready to ship (the order will be held for back orders). Stock items on pre-paid orders can be shipped in advance, at the customer's expense, on his collect transport account. If the order is pre-paid and charge, the order will be shipped as per the customer's instructions. However, the order will not be processed until the shipping charges are approved in writing.

EXM serves customers across North America. Therefore, in particular situations, inventory may be sold to a different customer in the lapse of time between the customer's inventory verification and the processing of his P.O. **EXM** strives to ensure the accuracy of its inventory, but occasional problems may arise, in which cases the issues will be resolved, case by case.

Standard back ordered enclosures

Many **EXM** products are produced ‘JIT’ (Just In Time). The production time is variable, and depends on the product type, manufacturing capacity and several other factors.

Custom enclosures (without BOX-CAD)

EXM specializes in the production of custom enclosures. Efficient procedures have been established to facilitate the custom order entry process.

Ideally, standard and custom products should not be ordered on the same purchase order. It typically takes more time to produce custom products than standards. Therefore, because there is only one expedition per pre-paid order, the delivery of standard items may be unnecessarily delayed.

The production time for a particular custom product, is mentioned on the quote. The production time is variable, and depends on the product type, manufacturing capacity and several other factors.

Important: All shipping dates for custom orders are effective after the approval of the technical drawings. The drawings are considered ‘approved’ when they are signed by the customer, without any modifications and received by **EXM** by fax or e-mail. The production times stated by customer service or indicated on quotations always exclude the transport/transit time. All products are shipped F.O.B. our dock and we do not guarantee transit times as they are subject to delays which are out of our control.

Custom BOXCAD enclosures

EXM developed an online configurator that allows its user to customize enclosures to their specifications. **EXM** will manufacture **BOXCAD** enclosures in 4-6 business days after reception of a purchase order.

EXM SHIPPING POLICY

There are two ways to ship orders : pre-paid or collect. When an order exceeds the minimum pre-paid order amount (see page 8), it is automatically considered pre-paid. For all other orders, the customer will be responsible for the shipping charges. He may choose to ship the order collect or third party collect. All Boxcad and Custom orders are collect shipment unless otherwise specified.

Pre-paid orders

Pre-paid orders are shipped via a carrier of **EXM's** choice, once all the items of an order are complete. Therefore, **EXM** assumes the transport fees for only one expedition per pre-paid order, whether or not some of the items on the purchase order were initially in stock and regardless of the products' origin.

If a customer places an order containing stock and non-stock items, and that he requires the stock items to be shipped immediately, the customer must assume the transport costs for one of the two expeditions.

Ideally, standard and custom products should not be ordered on the same purchase order. It typically takes more time to produce custom products than standards. Therefore, because there is only one expedition per pre-paid order, the delivery of standard items may be unnecessarily delayed.

Pre-paid orders are shipped to major urban centers only and shipping to third party addresses is subject to approval by **EXM**, as detailed at page 6.

Pick-up orders

To pick-up your order within 4 hours of reception of the said purchase order, please ensure to add a 100.00\$ extra fee for expedited pick-up service.

The standard time to prepare the pick-up is a minimum of 4 hours.

Pick-up hours at our locations:

MONDAY - FRIDAY

- 08H00 - 12H00
- 13H00 - 15H00

Collect orders

When orders are placed under the minimum pre-paid amount, it is strongly recommended to place the order collect. The customer must clearly specify the courier or transport company of his choice on his purchase order, as well as the appropriate account number. Collect orders can be shipped directly to the customer or to a third party address.

When such an order is received, our order entry staff will calculate the shipping charges and return this amount to the customer for approval, by fax. The order will not be processed until the customer approves the charges in writing. To avoid this time-consuming back-and-forth, please encourage your customers to place collect orders.

Pre-paid and charge orders can be shipped directly to the customer or to a third party address. The customer can request multiple expeditions for his pre-paid and charge order, but must assume the transport fees for each expedition.

When orders are placed under the minimum pre-paid amount, it is strongly recommended to place the orders collect. However, it is possible to place pre-paid and charge orders. In this case, the customer must clearly state "Pre-paid and charge shipping" on his purchase order.

All shipments for NON-STOCKING DISTRIBUTORS regardless of value will be shipped collect.

PREPAID SHIPPING POLICY

Our products are always shipped F.O.B. our dock, regardless of freight payment terms.

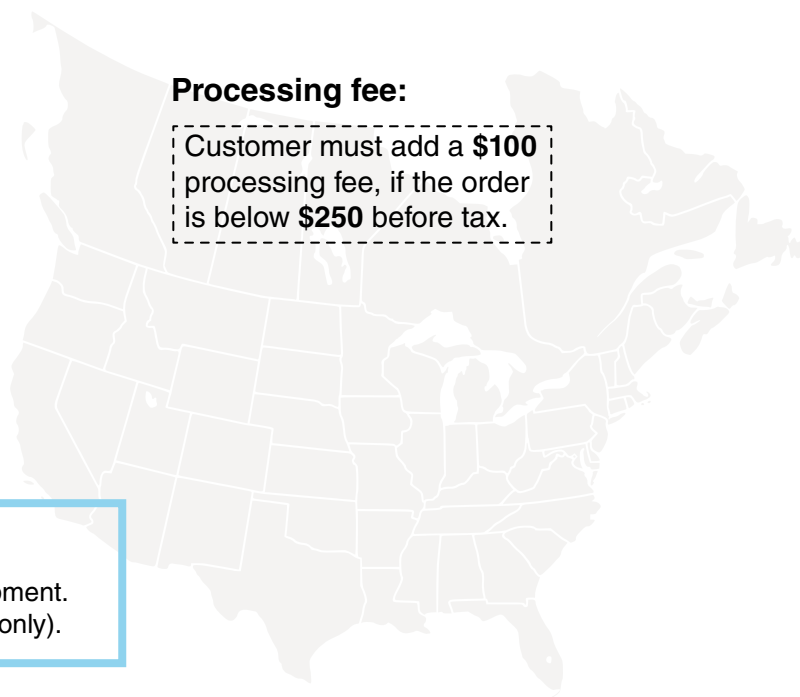
Minimum billing :

CAN **\$250** NET minimum order in Canada

USD **\$250** NET minimum order in United States

Processing fee:

Customer must add a **\$100** processing fee, if the order is below **\$250** before tax.



CANADA

Canadian provinces :

CAN \$2,000 NET required for prepaid shipment. (Prepaid shipment to major urban centers only).

USA

United States :

USD \$1,800 NET required for prepaid shipment. (Prepaid shipment to major urban centers only).

United States :

USD \$3,800 NET required for prepaid shipment. (Prepaid shipment to major urban centers only).

United States :

USD \$2,200 NET required for prepaid shipment. (Prepaid shipment to major urban centers only).

United States :

USD \$5,500 NET required for prepaid shipment. (Prepaid shipment to major urban centers only).

United States :

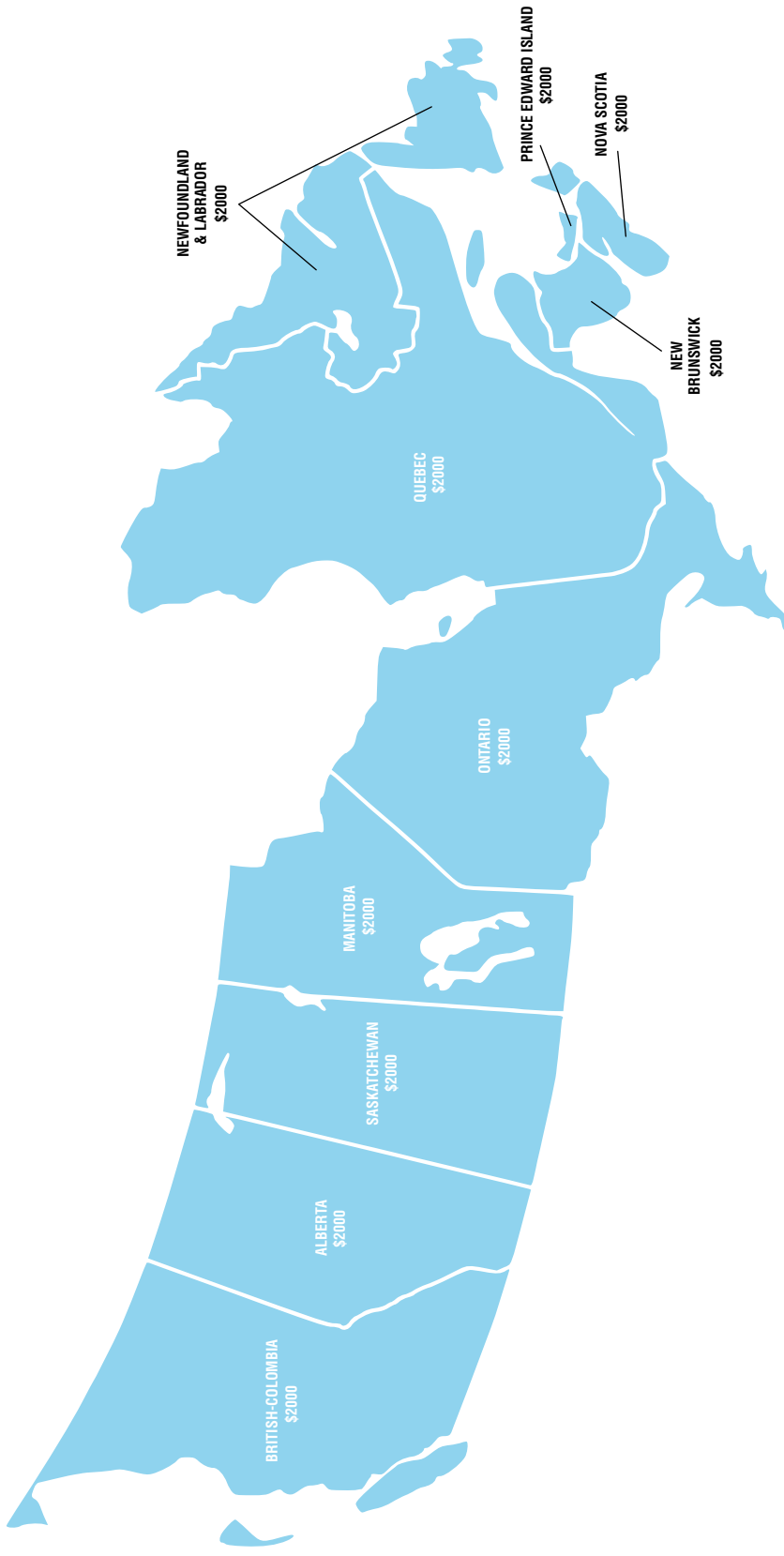
USD \$2,700 NET required for prepaid shipment. (Prepaid shipment to major urban centers only).

Note :

1. Only major city centers
2. Specials / Modifieds are not shipped prepaid
3. Only standard products apply to prepaid shipments

CANADA CUSTOMERS

MINIMUM ORDERS FOR PREPAID SHIPMENT

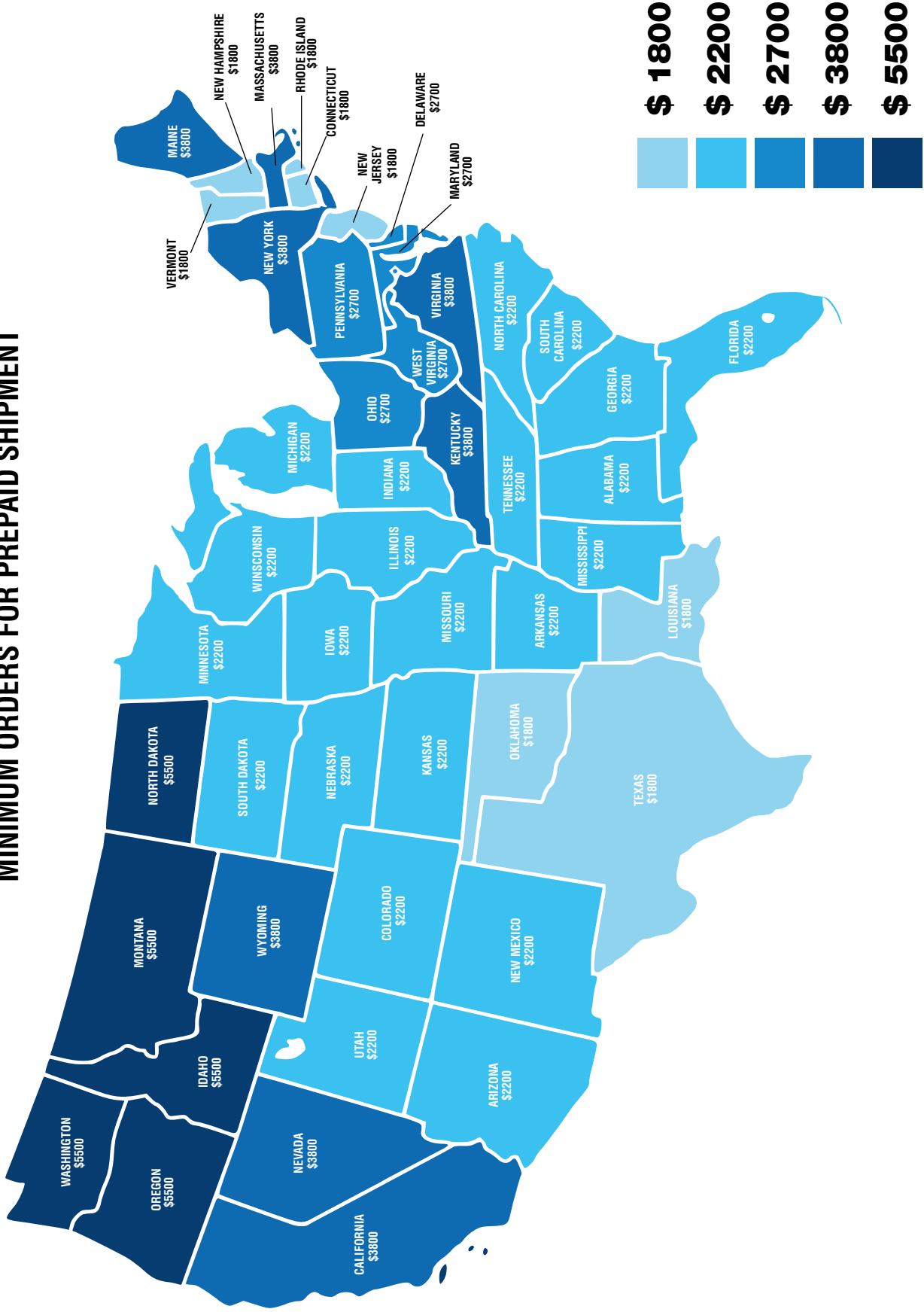


\$ 2000

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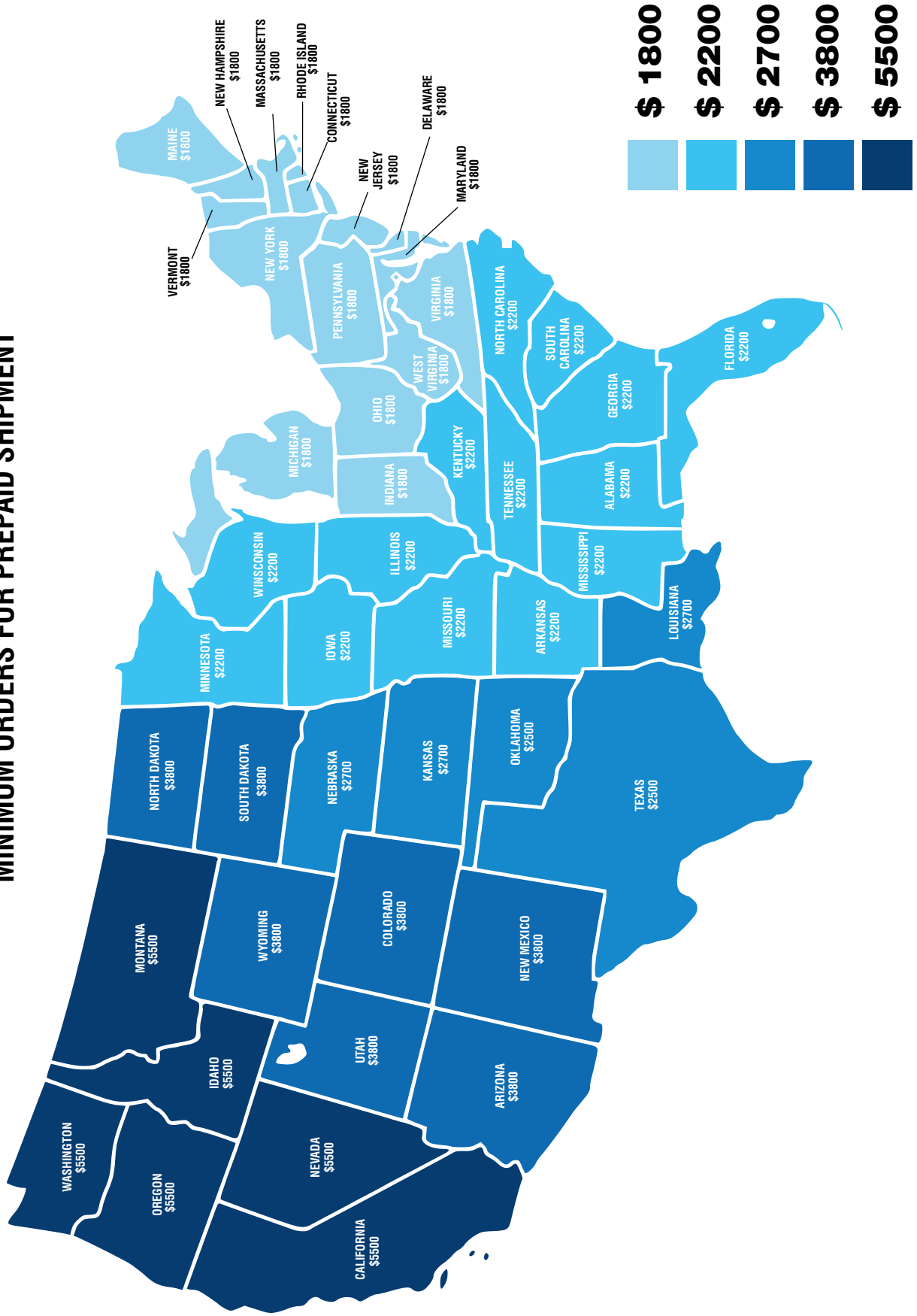
USA CUSTOMERS - FROM TEXAS

MINIMUM ORDERS FOR PREPAID SHIPMENT



USA CUSTOMERS - FROM OHIO

MINIMUM ORDERS FOR PREPAID SHIPMENT



EXM GUIDELINES TO RECEIVING SHIPMENTS

We value our customers and these guidelines are intended to help you understand your role in the receipt of a **EXM** shipment. Our standard terms of sale are F.O.B. our dock which means our customers own the freight when it leaves **EXM's** dock. This also means our customer is responsible for filing the claim with the carrier in the event any loss or damage occurs.

Please follow the following procedure(s):

1. PLEASE VERIFY THE SHIPPING ADDRESS ON THE SHIPMENT AND THE DOCUMENTS ARE THE SAME.

When the shipment arrives at your dock and is unloaded, whether is it a truck or parcel shipment **look at all the address labels**. Be certain all the freight is destined to your address. If there is anything not yours, those cartons and/or pallets should be refused. Properly annotate on the waybill the number of pieces refused and reference the correct consignee name. If the partial refusal now creates a shortage for your shipment, be sure to clearly note that discrepancy as well.

2. PLEASE VERIFY THE SHIPMENT FOR ANY AND ALL DAMAGES INCLUDING TORN CARDBOARD ETC AND IF ANY TAKE A PICTURE.

Inspect the shipment carefully. Look for signs of damage...torn cartons, bent or scratched product, anything that looks damaged. Note it on the waybill that the driver gives you to sign. Be very specific. Write the catalog number of the item on the waybill. For example, "**1 x 5412 ES242012 dented**" Please understand that generic descriptions such as "damaged", "shrink wrap torn", or "subject to inspection" aren't sufficient for the claim process. If your shipment arrives and has fallen over or shifted in the trailer, take a photo before it's unloaded. This will be evidence that the damage occurred while in the carrier's possession. Be sure to add your name and the date on the waybill. Please be specific to any type of discrepancy or damage.

3. PLEASE ENSURE THE QUANTITIES WAYBILL MATCHES THE QUANTITY OF PIECES DELIVERED.

Count the number of pieces delivered and compare it to the number of pieces on the waybill. If they don't match, sign the waybill as being "short" or "over" and include the number of pieces. If you know by description which handling unit is short, note that information on the waybill. This can potentially help the carrier locate it when they begin their search.

Notes:

¹ Over, Short & damaged products

4. PLEASE ENSURE THE DRIVER KNOWS AND SIGNS FOR THE DISCREPANCIES:

Be certain that the delivering driver knows that there is a problem, or "exception", with this shipment. Ask the driver to contact the **OS&D**¹ administrator at their local terminal and obtain an **OS&D** reference number for this discrepancy or exception. This number should be noted on the waybill before the driver leaves your location.

5. PLEASE UNDERSTAND THE GOODS BELONG TO THE CUSTOMER with "F.O.B. OUR DOCK".

Do not refuse damaged freight. Per our standard terms of sale (F.O.B. our dock), our customers take title to the goods when it leaves our dock so it's in everyone's best interest to accept the shipment at its original destination. Refusals also create more opportunities for damage which can really complicate the claims process as it relates to having good evidence of where the damage occurred. It's best to quarantine the freight and all the original packaging on your dock and do not attempt to rework it. Call the carrier and request that they inspect this freight before it is returned. The carrier has five business days to complete this inspection. If they waive the inspection, document that by keeping a copy of their waiver to inspect. Take photos of all damage to include with your claim against the carrier. If the carrier does not inspect the damaged freight, the customer needs to document their own inspection and send it along with the claim to the carrier.

6. AFTER THE CARRIER HAS DONE THE INSPECTION CALL US:

Following the inspection, **contact us at 1-800-363-2423 ask to speak with the customer care for return or repair requests.** Explain the problem and request a return authorization to return the damaged product to one of our manufacturing centers. To file a claim, fill out the claim form provided by the carrier. Complete all the questions, attach all required documentation and photos, then return it to the carrier. Be sure to respond timely to any follow up questions or requests from the carrier.

OVERAGE AND SHORTAGE PROCEDURES

FREIGHT OVERAGES



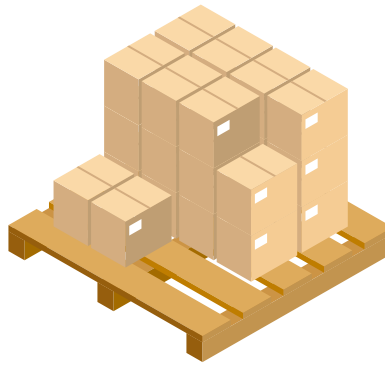
In the event of an overage, you must notify EXM below within 20 days of receipt. Failure to do so will result in denied claim submission to EXM.

- support@exmweb.com
- supportusa@exmweb.com

Process Requirements:

- 1. Overage goods must be checked against the Bill of Lading (BOL) or delivery receipt**
- 2. Check label on all cartons for consignee address**
- 3. If consignee address is different, accept the freight and notify support to obtain reship instructions**
- 4. Accept unlabeled items and items labeled for you but not on the packing list, then notify EXM Support and provide the following information:**
 - Purchase Order number
 - Sales Order number
- 5. Item and Units**
- 6. Obtain Return Goods Authorization (RGA) letter/ material disposition**

FREIGHT SHORTAGES



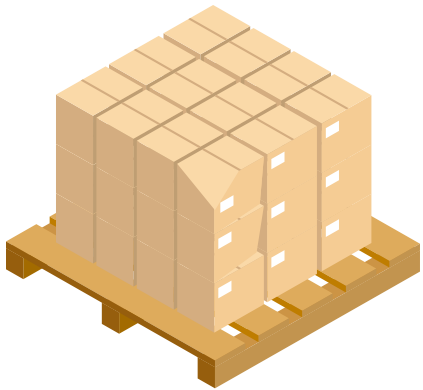
In the event a shortage has occurred, the freight must be noted on the carrier delivery receipt. Notify EXM below within 20 days of receipt. Failure to do so will result in denied claim submission to EXM.

- support@exmweb.com
- supportusa@exmweb.com

Process Requirements:

- 1. You must make note of the shortage on the carrier delivery receipt at time of delivery, before signing for it**
- 2. Retain a copy of the signed delivery receipt indicating the shortage; this will be required for claim submission**
- 3. Before submitting claims to EXM, determine which unit or items are missing**
- 4. The following is required when calling or emailing support@exmweb.com**
 - Purchase Order number
 - Sales Order number
 - Item and units missing
 - Copy of delivery receipt with carrier PRO#
- 5. Obtain Return Goods Authorization (RGA) letter/ material disposition**

DAMAGE PROCEDURE



Note:

Applies only to orders shipped and paid for by EXM preferred carrier. Claims not paid on customer routed shipments.

If product is moved from original consignee's location, EXM cannot file claim for any loss or damage.

VISIBLE DAMAGE

In the event of visible damage at time of delivery, you must accept the freight from the carrier; do not refuse damaged material. You must notify EXM below within 20 days of receipt. Failure to do so will result in denied claim submission to EXM.

- support@exmweb.com

Process Requirements:

- 1. Visible damage examples: torn, dented or open carton, dented enclosure, paint scuffs or scrapes**
- 2. You must note the damage on the carrier delivery receipt, at time of delivery and before signing for it, as, "BOX CRUSHED POSSIBLE DAMAGE"**
- 3. DO NOT refuse shipment**
- 4. Retain a copy of the signed delivery receipt indicating the damage; this will be required for claim submission**
- 5. The following is required when calling or emailing EXM:**
 - Purchase Order number
 - Sales Order number
 - Item and units missing
 - Copy of signed delivery receipt
 - Pictures of damaged freight
- 6. Obtain Return Goods Authorization (RGA) letter/ material disposition**

CONCEALED DAMAGE

In the event concealed damage is found after the initial receipt, you must notify EXM below within 20 days of receipt. Failure to do so will result in denied claim submission to EXM.

- support@exmweb.com

Process Requirements:

- 1. Concealed damage examples: carton or stretch film intact; no sign of damage, but product inside is damaged**
- 2. Upon receipt always make visual inspection of units/ boxes, looking for any type of damage (e.g. crushed, torn, holes, bends, scratches, etc.). Mark any visible damage on delivery receipt and follow visible damage process requirements**
- 3. Before submitting claims to EXM, determine which unit or items have concealed damage**
- 4. The following is required when calling or emailing EXM:**
 - Purchase Order number
 - Sales Order number
 - Item and units damaged
 - Picture of container and item
- 5. Obtain Return Goods Authorization (RGA) letter/ material disposition**

QUALITY POLICY

At **EXM**, our goal is to reach worldwide standards of quality in the field of electrical and electronic enclosures.

Our product is compared with some of the best in the world, and exceeds the market needs.

To achieve these objectives, **EXM's** management has established a quality control department to ensure that we meet our quality commitments to our customers, our suppliers and our personnel. This department is also mandated to identify and communicate any means by which our quality management system can be improved.

EXM relies on its biggest asset, its personnel. A dynamic, competent and team oriented personnel, which has only one common goal :

CUSTOMER SATISFACTION

Our customers are our priority, and everything possible is done for their satisfaction, from the first contact until delivery. Our priorities consist of continuously exceeding our objectives and consistently improving.

Our personnel prove that we form an honest and hardworking company. Our integrity is never in doubt, in any field of application. **EXM** is formally committed to providing its customers with a product that answers all norms and codes, as well as all contractual requirements.

Our approach is compatible with the requirements of the standard of quality ISO 9001 :2015.

In order to ensure this policy is understood and applied by all the operating levels of our firm, it is permanently displayed in our work place and is accessible to our customers on our website.

ISO9001 CERTIFICATE

Certificat(e) CA10/406880

Le système de gestion de
The management system of

EXM Manufacturing Ltd. Manufacture EXM Ltée

870, boulevard Michèle-Bohec
Blainville, QC J7C 5E2, Canada

a été évalué et enregistré selon les exigences de la norme
has been assessed and certified as meeting the requirements of

ISO 9001:2015

La portée d'enregistrement est présentée ci-dessous:
The scope of registration is as follows:

Conception et développement, fabrication de boîtes électriques et électroniques. Sous-contractant de pièces fabriquées de métal en feuille.
Design and development and manufacturing of electrical and electronic enclosures. Contract manufacturing of sheet metal parts.

Des éclaircissements supplémentaires concernant la portée de ce certificat ainsi que l'applicabilité des exigences de la norme selon ISO 9001:2015 peuvent être obtenus en consultant l'organisme.
Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

Ce certificat est valide du 4 mai 2022 au 4 mai 2025 et demeurera valide sous réserve du bon maintien des audits de surveillance. L'audit de renouvellement est dû au minimum 60 jours avant la date d'échéance.

Edition 6. Enregistrée depuis mai 2010.
This certificate is valid from 4 May 2022 until 4 May 2025 and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date.
Issue 6. Certified since May 2010.

L'audit ayant abouti à ce certificat a débuté le 25/03/2022 / The audit leading to this certificate commenced on 28/03/2022.
Le certificat précédent était valide jusqu'au 04/05/2022 / Previous issue certificate validity date was until 04/05/2022.

Autorisé par/Authorized by:

Dan Seal
Dan Seal
Technical Accreditation Manager
Knowledge Solutions
Accredited Office/Bureau accrédité
SGS North America, Inc.
201 Route 17 North, Rutherford, NJ 07070, USA
t (201) 508-3000 - f (201) 935-4555 - www.us.sgs.com

Ce certificat demeure la propriété de SGS et sera retourné sur demande.
This certificate remains the property of SGS and shall be returned upon request.

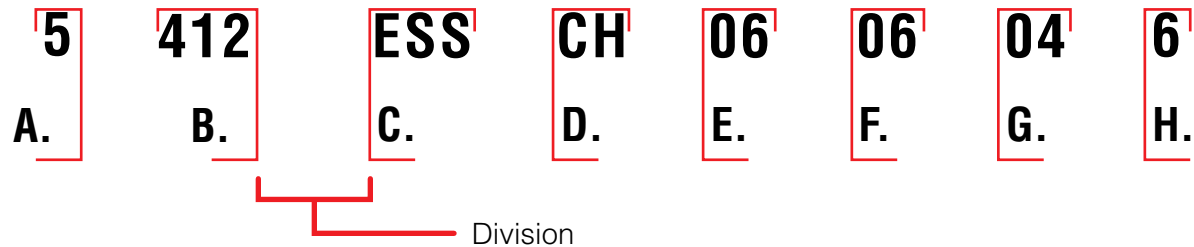
Page 1 de 1 / Page 1 of 1

SGS



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UNDERSTANDING EXM'S PRODUCT NUMBERING SYSTEM



A. The first number indicates the product's category

- 1: small (usually commercial) enclosure
- 2: PC cabinet or console
- 5: larger industrial enclosure
- 6: metric European styling enclosure or modular cabinet
- 8: an accessory

B. The next three numbers indicate the product's NEMA rating

- 100: NEMA 1 (for use indoors)
- 300: NEMA 3/3R (for use outdoors, weatherproof)
- 500: NEMA 12/13 (for use indoors, oil and dust tight)
- 412: NEMA 4 or 4X (for use outdoors, water, oil and dust tight)

C. The first letters indicate the series type and material

- ES: powder coated steel enclosure
- ESS: brushed stainless steel enclosure
- ESSP: powder coated stainless steel enclosure
- EAL: powder coated aluminum enclosure
- Other codes: identify other series types

D. The next letters indicate the model type

- CH: JIC type enclosure
- SC: screw cover enclosure
- DD: double door enclosure
- LC: lift-off cover enclosure
- W: windowed enclosure
- FM: flush mount enclosure
- TB: metric terminal box

E. Indicates the height of enclosures (Indicates width for metric enclosures)

F. Indicates the width of enclosures (Indicates height for metric enclosures)

G. Indicates the depth of the enclosure

H. Some model numbers have a suffix to indicate a particular characteristic

- 6: stainless steel Type 316 enclosure (standard is type 304)
- B: type '2B' finish for stainless steel enclosures
- N: enclosure without knockouts

NEMA RATINGS REFERENCE SHEET

The **EXM** Catalog incorporates technical information intended to help the end-user make an informed decision.

TECHNICAL DATA

RATINGS REFERENCE SHEET

<p>EEMAC/NEMA Type 1</p> <p>General Purpose - Indoor Type 1 enclosures are intended for use indoors, primarily to prevent accidental contact with the enclosed equipment, in areas where unusual service conditions do not exist.</p>	<p>CSA Type 1</p> <p>General Purpose - Indoor Protects against accidental contact with live parts.</p>	<p>UL 50 / UL 508 Type 1</p> <p>General Purpose - Indoor Indoor use primarily to provide a degree of protection against contact with the enclosed equipment and against a limited amount of falling dirt.</p>	<p>IP20</p> <p><i>(approx. equivalent)</i> Protection against solid objects up to 12mm.</p>
<p>EEMAC/NEMA Type 3</p> <p>Dust tight, rain tight and sleet resistant - Outdoor Type 3 enclosures are intended for use outdoors, to protect the enclosed equipment against wind-blown dust and water. They are not sleet (ice) proof.</p>	<p>CSA Type 3</p> <p>Dust tight, rain tight and sleet resistant - Outdoor An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow and wind blown dust; undamaged by the external formation of ice on the enclosure.</p>	<p>UL 50 / UL 508 Type 3</p> <p>Dust tight, rain tight and sleet resistant - Outdoor Outdoor use to provide a degree of protection against wind blown dust, rain and sleet; undamaged by the formation of ice on the enclosure.</p>	<p>IP64</p> <p><i>(approx. equivalent)</i> Total protection against dust and protection against spray or water from every direction.</p>
<p>EEMAC/NEMA Type 3R</p> <p>Rainproof and sleet resistant - Outdoor Type 3R enclosures are intended for use outdoors, to protect against rain, and meet the requirements of UL 508 "Rainproof enclosures". They are not dust, snow nor sleet proof.</p>	<p>CSA Type 3R</p> <p>Rainproof and sleet resistant - Outdoor An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow; undamaged by the external formation of ice on the enclosure.</p>	<p>UL 50 / UL 508 Type 3R</p> <p>Rainproof and sleet resistant - Outdoor Outdoor use to provide a degree of protection against falling rain and sleet; undamaged by the formation of ice on the enclosure.</p>	<p>IP22</p> <p><i>(approx. equivalent)</i> Protection against solid objects over 12mm and against direct spray up to 15° from vertical.</p>



NEMA RATINGS REFERENCE SHEET

TECHNICAL DATA

RATINGS REFERENCE SHEET

<p>EEMAC/NEMA Type 4</p> <p>Watertight and dust tight - Indoor and outdoor Type 4 enclosures are intended for use indoors or outdoors, to protect the enclosed equipment against splashing water, seepage of water, and severe external condensation. They are sleet resistant but not sleet (ice) proof.</p>	<p>CSA Type 4</p> <p>Watertight and dust tight - Indoor and outdoor An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose directed water; undamaged by the external formation of ice on the enclosure.</p>	<p>UL 50 / UL 508 Type 4</p> <p>Watertight and dust tight - Indoor and outdoor Indoor or outdoor use to provide a degree of protection against splashing water, windblown dust and rain, and hose directed water; undamaged by the formation of ice on the enclosure.</p>	<p>IP66</p> <p><i>(approx. equivalent)</i> Total protection against dust and protection against strong jets of water.</p>
<p>EEMAC/NEMA Type 4X</p> <p>Watertight and dust tight - Corrosion resistant - Indoor and outdoor Type 4X enclosures have the same provisions as Type 4 enclosures and, in addition, are corrosion-resistant.</p>	<p>CSA Type 4X</p> <p>Watertight and dust tight - Indoor and outdoor Type 4X enclosures have the same provisions as Type 4 enclosures and, in addition, are corrosion-resistant.</p>	<p>UL 50 / UL 508 Type 4</p> <p>Watertight and dust tight - Indoor and outdoor Type 4X enclosures have the same provisions as Type 4 enclosures and, in addition, are corrosion-resistant.</p>	<p>IP66</p> <p><i>(approx. equivalent)</i> Total protection against dust and protection against strong jets of water.</p>
<p>EEMAC/NEMA Type 6P</p> <p>Enclosures are intended for use indoors or outdoors where occasional submersion is encountered; limited depth; undamaged by the formation of ice on the enclosure.</p>	<p>CSA Type 6P</p> <p>Indoor or outdoor use; provides a degree of protection against the entry of water during temporary submersion at a limited depth. Undamaged by the external formation of ice on the enclosure; resists corrosion.</p>	<p>UL 50 / UL 508 Type 6P</p> <p>Indoor or outdoor use to provide a degree of protection against entry of water during temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.</p>	<p>IP68</p> <p><i>(approx. equivalent)</i> Protected against dust and protection against strong jets of water and the entry of water during submersion at a limited depth.</p>
<p>EEMAC/NEMA Type 12</p> <p>Industrial use, dust tight and drip tight - Indoor Type 12 enclosures are intended for use indoors, to protect the enclosed equipment against fibres, flyings, lint, dust and dirt, and light splashing, seepage, dripping and external condensation of non-corrosive liquids.</p>	<p>CSA Type 12</p> <p>Industrial use, dust tight and drip tight - Indoor An enclosure for indoor use, constructed as so to provide a degree of protection against circulating dust, lint fibres and flyings; dripping and light splashing of non-corrosive liquids; not provided with knockouts.</p>	<p>UL 50 / UL 508 Type 12</p> <p>Industrial use, dust tight and drip tight - Indoor Indoor use to provide a degree of protection against dust, falling dirt, and dripping non-corrosive liquids.</p>	<p>IP55</p> <p><i>(approx. equivalent)</i> Protected against dust and protection against low pressure jets of water from every direction.</p>



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