# Industrial Enclosures

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Eclipse Junior Series - NEMA 12, 13, 4
Single Door Enclosures

Application
- Designed to enclose electrical and/or electronic equipment and protect against harsh, industrial environments.
- For use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Impressive styling features make the Eclipse Junior a suitable addition to any high-tech equipment installation.
- For high temperature applications, a gasket retainer may be required, please refer to factory.

Standards
- UL 508 Type 3R, 4, 12 and 13
- CSA Type 3R, 4, 12 and 13
- Complies with
  - NEMA Type 3R, 4, 12 and 13
  - IEC 60529, IP66

Construction
- Body and cover are formed from 16 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts, or holes.
- Formed lip on enclosure to exclude flowing liquids and contaminants.
- 14 gauge welded brackets provide for enclosure mounting.
- Continuously hinged cover has 304 stainless steel hinges and provides 180° opening.
- Door latches feature the added safety of quarter turn slot requiring use of tool for opening.
- Quarter turn latches formed from black zinc diecast.
- Oil resistant gaskets are permanently secured.
- Models larger than 4"x4" include a removable 14 gauge galvanized inner panel.
- Internal threaded weld studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided on the enclosure.
- Includes grounding kit and a hardware kit with panel mounting screws.

Finish
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating.
- Inner panels are unpainted galvanized steel.

Accessories
- Additional inner panels...see page 433
- Breather kits...see page 423
- Filter fans...see page 408-413
- Louvered ventilating plates ...see page 450
- Padlocking Adapter...see page 432
- Terminal kit assemblies ...see page 436
- Thermostats...see page 421
- Wing knob lock...see page 432
- Swing panel...see page 435

Technical references and DXF downloads available at www.hammfg.com
All dimensions in inches unless specified otherwise
## Eclipse Junior Series - NEMA 12, 13, 4
### Single Door Enclosures

### Overall Dimensions

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All dimensions in inches unless specified otherwise.

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1414 Series Enclosures - NEMA 12, 13
Clamped, Lift Off Cover

**Application**
- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides a degree of protection from falling dirt, dust, oil and water.

**Standards**
- UL 508 Type 12 and 13
- CSA Type 12 and 13
- Complies with
  - NEMA Type 12 and 13
  - JIC EGP-1-1967 unless marked
  - IEC 60529, IP54

**Construction**
- Body formed from 16 gauge or 14 gauge steel. Covers are formed from 14 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Welded brackets provide for enclosure mounting.
- Lift off cover is secured with stainless steel clamps and plated steel screws and retained with a plated chain when open.
- Oil resistant gaskets are permanently secured.
- Models larger than 4” x 4” include a removable 14 gauge inner panel.
- Internal threaded weld studs are provided for mounting inner panels.
- A grounding stud is provided in the enclosure.

**Finish**
- Cover and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating.
- Removable inner panel is finished in white powder coating.

**Accessories**
- Additional inner panels...see page 433
- Breather kits...see page 423
- Door clamping hardware...see page 427
- Filter fans...see page 408-413
- Heaters...see page 418-420
- Louvered ventilating plates...see page 450
- Terminal kit assemblies...see page 436
- Thermostats...see page 421
- Window kits...see page 444
- Swing panel...see page 435

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## 1414 Series Enclosures - NEMA 12, 13

**Clamped, Lift Off Cover**

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### 1414 Series Enclosures Dimensions

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*Does not meet JIC requirements*
1414 N4 Series Enclosures - NEMA 12, 13, 4
Clamped, Lift Off Cover

Application
- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides protection where equipment may be hosed down or otherwise be very wet, or in outdoor applications for full weather protection.

Standards
- UL 508 Type 3R, 4, 12 and 13
- CSA Type 3R, 4, 12 and 13
- Complies with
  - NEMA Type 3R, 4, and 12
  - JIC EGP-1-1967
  - IEC 60529, IP66

Construction
- Body formed from 16 or 14 gauge steel. Covers are formed from 14 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Welded brackets provide for enclosure mounting.
- Lift off cover is secured with stainless steel clamps and screws.
- Oil resistant gaskets are permanently secured.
- All models larger than 4” x 4” include a removable 14 gauge inner panel
- Internal threaded weld studs are provided for mounting inner panels. A grounding stud is provided in the enclosure.

Finish
- Cover and enclosure are phosphatized, finished in recoatable smooth ANSI 61 gray powder coating.
- Removable inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 433
- Breather kits...see page 423
- Door clamping hardware...see page 427
- Filter fans...see page 408-413
- Heaters...see page 418-420
- Louvered ventilating plates...see page 450
- Terminal kit assemblies...see page 436
- Thermostats...see page 421
- Window kits...see page 444
- Swing panel...see page 435

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All dimensions in inches unless specified otherwise
### 1414 N4 Series Enclosures - NEMA 12, 13, 4

Clamped, Lift Off Cover

**Part No.**  
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1414N4C  
1414N4E  
1414N4G  
1414N4I  
1414N4K  
1414N4M  
1414N4O

**Panel Dimensions**  
- Panel not included

**Centers**
- MOUNTING FOOT TYP 4 PLS EXCEPT WHERE B=4" SEE MOUNTING FOOT DETAIL

**Cover Dimensions**
- PANEL GROUND STUD LOCATION

**Ship Wt.**
- lbs

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All dimensions in inches unless specified otherwise

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Application
- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides a degree of protection from falling dirt, dust, oil and water.

Standards
- UL 508 Type 12, 13
- CSA Type 12, 13
- Complies with
  - NEMA Type 12 and 13
  - JIC EGP-1-1967 unless marked
  - IEC 60529, IP54

Construction
- Body formed from 16 gauge or 14 gauge steel. Covers are formed from 14 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Welded brackets provide for enclosure mounting.
- Continuously hinged cover is secured with stainless steel clamps and plated steel screws.
- Oil resistant gaskets are permanently secured.
- Models larger than 4" x 4" include a removable 14 gauge inner panel.
- Internal threaded weld studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.

Finish
- Cover and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating.
- Removable inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 433
- Breather kits...see page 423
- Door clamping hardware...see page 427
- Filter fans...see page 408-413
- Heaters...see page 418-420
- Louvered ventilating plates...see page 450
- Terminal kit assemblies...see page 436
- Thermostats...see page 421
- Window kits...see page 444
- Swing panel...see page 435
1414 N4 PH Series Enclosures - NEMA 12, 13, 4
Continuous Hinge, Clamped Cover

**Application**
- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides protection where equipment may be hosed down or otherwise be very wet, or in outdoor applications for full weather protection.

**Standards**
- UL 508 Type 3R, 4, 12 and 13
- CSA Type 3R, 4, 12 and 13
- Complies with
  - NEMA Type 3R, 4, 12 and 13
  - JIC EGP-1-1967 unless marked
  - IEC 60529, IP66

**Construction**
- Body formed from 16 or 14 gauge steel. Covers are formed from 14 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Welded brackets provide for enclosure mounting.
- Continuous hinged cover is secured with stainless steel clamps and screws.
- Stainless steel continuous hinge on door may be removed by pulling the stainless steel hinge pin.
- Oil resistant gaskets are permanently secured.
- All models larger than 4" x 4" include a removable 14 gauge inner panel.
- Internal threaded weld studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.

**Finish**
- Cover and enclosure are phosphatized, finished in recoatable smooth ANSI 61 gray powder coating.
- Removable inner panel is finished in white powder coating.

**Accessories**
- Additional inner panels...see page 433
- Breather kits...see page 423
- Door clamping hardware...see page 427
- Filter fans...see page 408-413
- Heaters...see page 418-420
- Louvered ventilating plates...see page 450
- Terminal kit assemblies...see page 436
- Thermostats...see page 421
- Window kits...see page 444
- Swing panel...see page 435

Technical references and DXF downloads available at www.hammfg.com

All dimensions in inches unless specified otherwise
### 1414 N4 PH Series Enclosures - NEMA 12, 13, 4
Continuous Hinge, Clamped Cover

**Technical references and DXF downloads available at [www.hammfg.com](http://www.hammfg.com)**

**Does not meet JIC requirements**

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1. Does not meet JIC requirements

All dimensions in inches unless specified otherwise

Data Subject to change without notice
1414 SC Series Enclosures - NEMA 12, 13
Lift Off, Screw Cover

Application
- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides a degree of protection from falling dirt, dust, oil and water.

Standards
- UL 508 Type 12 and 13
- CSA Type 12 and 13
- Complies with
  - NEMA Type 12 and 13
  - JIC EGP-1-1967 unless marked¹
  - IEC 60529, IP54

Construction
- Body formed from 16 gauge or 14 gauge steel. Covers are formed from 14 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Welded brackets provide for enclosure mounting.
- Cover is secured with captive, plated steel screws, threaded into sealed wells.
- Oil resistant gaskets are permanently secured.
- Models larger than 4” x 4” include a removable 14 gauge inner panel.
- Internal threaded weld studs are provided for mounting inner panels.
- A grounding stud is provided in the enclosure.

Finish
- Cover and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating.
- Removable inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 433
- Breather kits...see page 423
- Door clamping hardware...see page 427
- Filter fans...see page 408-414
- Heaters...see page 418-420
- Louvered ventilating plates...see page 450
- Terminal kit assemblies...see page 436
- Thermostats...see page 421
- Window kits...see page 444
- Swing panel...see page 435

¹ Marked indicates non-NEMA approved.
**1414 SC Series Enclosures - NEMA 12, 13**

Lift Off, Screw Cover

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* Does not meet JIC requirements

Technical references and DXF downloads available at www.hammfmg.com

All dimensions in inches unless specified otherwise

© Hammond Manufacturing
Canada: 519.822.2960 or 905.456.3770  USA: 716.630.7030

Data Subject to change without notice
1436/1438 Series Junction Boxes - NEMA 12, 13
Lift Off, Screw Cover

Application
- Designed for use as instrument enclosures, electrical junction boxes or terminal wiring enclosures.
- Provides a degree of protection from falling dirt, dust, oil and water.

Standards
- UL 508 Type 12 and 13
- CSA Type 12 and 13
- Complies with
  - NEMA Type 12 and 13
  - IEC 60529, IP54

Construction
- Formed from 14 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Welded brackets provide for enclosure mounting.
- Lift off cover is secured with captive, plated steel screws, and supported on internal hinges except as noted on charts at bottom and right.
- Cover screws fasten into threaded, sealed wells.
- Oil resistant gaskets are permanently secured.
- A grounding stud is provided in the enclosure.

Finish
- Cover and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating.

Standard Depth Series (1436)

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¹ Not hinged

Technical references and DXF downloads available at www.hammfg.com

All dimensions in inches unless specified otherwise
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¹ Not hinged
1418J Series - NEMA 12

Application
- Designed to house electrical, electronic, hydraulic or pneumatic controls and instruments.
- Provides a degree of protection from falling dirt, dust, oil and water.

Standards
- UL 508 Type 12
- Complies with
  - NEMA Type 12
  - JIC EGP-1-1967 unless marked
  - IEC 60529, IP54

Construction
- Formed from 14 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Door and body stiffeners are provided in the larger enclosures for extra rigidity.
- Welded brackets provide for enclosure mounting.
- Continuously hinged cover is secured with plated screws, threaded into sealed wells.
- Oil resistant gaskets are permanently secured.
- A removable 12 gauge inner panel is included.
- Collar studs are provided for mounting inner panels.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.
- A literature pocket is provided for the inside of the door.

Finish
- Cover and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating.
- Removable inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 433
- Blowers...see page 406
- Breather kits...see page 423
- Filter fans...see page 408-413
- Heaters...see page 418-420
- Louvered ventilating plates...see page 450
- Terminal kit assemblies...see page 437
- Thermostats...see page 421
- Window kits...see page 444
- Swing panel...see page 435

Technical references and DXF downloads available at www.hammfg.com

All dimensions in inches unless specified otherwise
### 1418J Series - NEMA 12

#### Junction Boxes

**Top View**

- Vertical body stiffener req'd on M only
- Omit if center body stiffener if A is less than 41".
- Omit if A is less than 31".
- Omit 2 center studs if A is less than 31".
- Omit body stiffeners if B is less than 29".
- Omit 2 middle studs if B is less than 31".
- Omit door stiffener if A or B is 24" or less.

**Side View**

**Section Z-Z**

**Front View**

#### Technical Specifications

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1. Does not meet JIC requirements

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**Notes:**

- Technical references and DXF downloads available at www.hammfg.com
- All dimensions in inches unless specified otherwise
- Data Subject to change without notice

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Eclipse Series - NEMA 4, 12
Single Door Enclosures

Application
- Designed to enclose electrical and/or electronic equipment and protect against harsh, industrial environments for wallmount applications.
- Impressive styling features like hidden hinges, attractive latching systems make the Eclipse a suitable addition to any high-tech equipment installation.
- A wide range of sizes and practical accessories make this product line a complete package.
- For high temperature applications, a gasket retainer may be required, please refer to factory.

Construction
- Formed 14 or 16 gauge steel.
- Smooth, continuously welded seams ground smooth.
- Door stiffeners are provided where required for increased strength and rigidity - designed to also permit additional mounting options.
- Formed lip on enclosure to exclude flowing liquids and contaminants.
- Door latches feature the added safety of quarter turn slot requiring use of tool for opening.
- Doors may be easily removed for modifications and are interchangeable.
- Oil resistant gaskets are permanently secured.
- Collar studs provided for mounting inner panel.
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.
- Bonding stud provided on door and grounding stud installed in enclosure.
- Hinges are constructed from 304 stainless steel.
- Hinge pins are stainless steel.
- Quarter turn latch and 3 point handle (key lockable) are zinc diecast with black epoxy finish.

Finish
- Cover and enclosure are phosphatized and finished with a recoatable powder inside and out with choice of ANSI 61 smooth Gray (GY) or RAL7035 textured light gray (LG).
- RAL7032 textured beige (CG) versions with gland plates are available as non-stock items.

Standards
- UL 508 Type 3R, 4, and 12
- CSA Type 3R, 4, and 12
- Complies with
  - NEMA Type 3R, 4, and 12
  - IEC 60529, IP66

Accessories
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- DIN rails...see page 29
- DIN rail mounting kit...see page 29
- Door stop kit...see page 447
- Filter fans...see page 408-413
- Gland Plates...see page 441
- Heaters...see page 418-420
- Handles...see page 30
- Inner panel...see page 28
- Quarter turn inserts and keys ...see page 30
- Literature pocket...see page 451
- Mounting foot kit...see page 30
- Swing frame...see page 29
- Swing panel...see page 28
- Replacement hinge pins...see page 28
- Replacement quarter turn assemblies...see page 30
- Thermostats...see page 421
- Touch up paint...see page 450
- UL/CSA approved hardware kit ...see page 430
- Padlock Adapter (EPA)...see page 431

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Eclipse Series - NEMA 4, 12
Single Door Enclosures

Front View

Side View

Bottom View

Section A-A

Section B-B

Refer to part number and dimension chart on previous page
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### Eclipse Series - NEMA 4, 12

#### Single Door Enclosures

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All dimensions in inches unless specified otherwise.
### Eclipse Series - NEMA 4, 12

**Single Door Enclosures**

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**All dimensions in inches unless specified otherwise**

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Eclipse Series - NEMA 4, 12
Single Window Door Enclosures

Application
- Designed to enclose electrical and/or electronic equipment in wallmount applications where viewing of component operation is necessary while maintaining protection ratings.
- Impressive styling features like hidden hinges, attractive latching systems make the Eclipse a suitable addition to any high-tech equipment installation.
- A wide range of sizes and practical accessories make this product line a complete package.
- For high temperature applications, a gasket retainer may be required, please refer to factory.

Standards
- UL 508 Type 3R, 4 and 12
- CSA Type 3R, 4 and 12
- Complies with
  - NEMA 3R, 4 and 12
  - IEC 60529, IP66

Construction
- Formed 14 or 16 gauge steel.
- Full view UV resistant polycarbonate window allow maximum viewing area of inner panel.
- Smooth, continuously welded seams ground smooth.
- Door stiffeners are provided where required for increased strength and rigidity - designed to also permit additional mounting options.
- Formed lip on enclosure to exclude flowing liquids and contaminants.
- Door latches feature the added safety of quarter turn slot requiring use of tool for opening.
- Doors may be easily removed for modifications and are interchangeable.
- Oil resistant gaskets are permanently secured.
- Collar studs provided for mounting inner panel.
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.
- Bonding stud provided on door and grounding stud installed in enclosure.
- Hinges are constructed from 304 stainless steel.
- Hinge pins are stainless steel.
- Quarter turn latches are zinc diecast with black epoxy finish.

Finish
- Cover and enclosure are phosphatized and finished with a recoatable powder inside and out with choice of ANSI 61 smooth Gray (GY) or RAL7035 textured light gray (LG).
- RAL7032 textured beige (CG) versions with gland plates are available as non-stock items.

Accessories
- Air conditioners...see page 387-405
- Blowers...see page 407
- Breather kits...see page 423
- DIN rails...see page 29
- DIN rail mounting kit...see page 29
- Door stop kit...see page 447
- Filter fans...see page 408-413
- Gland Plates...see page 441
- Heaters...see page 418-420
- Handles...see page 30
- Inner panel...see page 28
- Quarter turn inserts and keys...see page 30
- Literature pocket...see page 451
- Mounting foot kit...see page 30
- Swing frame...see page 29
- Swing panel...see page 28
- Replacement hinge pins...see page 28
- Replacement quarter turn assemblies...see page 30
- Thermostats...see page 421
- Touch up paint...see page 450
- UL/CSA approved hardware kit...see page 430
- Padlock Adapter (EPA)...see page 431

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# Eclipse Series - NEMA 4, 12

## Single Window Door Enclosures

### Part No. (ANSI 61 Gray) | Part No. (RAL7035 Light Gray) | Overall Dimensions | Door/ Body Gauge | Latch¹ | Hinge Qty | Viewing Area | Optional Panel Part No. | Inner Panel Dimensions | Ship Wt. lbs
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
EN4SD16126WGY | EN4SD16126WLG | 16 | 12 | 6 | 16 | 1 | 2 | 10 | 11.33 | 6.71 | EP1612 | 14.2 | 10.2 | 16
EN4SD20166WGY | EN4SD20166WLG | 20 | 16 | 6 | 16 | 1 | 2 | 14 | 15.33 | 10.71 | EP2016 | 18.2 | 14.2 | 22
EN4SD20206WGY | EN4SD20206WLG | 20 | 20 | 6 | 16 | 1 | 2 | 14 | 15.33 | 14.71 | EP2020 | 18.2 | 18.2 | 26
EN4SD24206WGY | EN4SD24206WLG | 24 | 20 | 6 | 16 | 1 | 2 | 18 | 19.33 | 14.71 | EP2420 | 22.2 | 18.2 | 30
EN4SD24246WGY | EN4SD24246WLG | 24 | 24 | 14 | 2 | 2 | 18 | 19.33 | 16.15 | EP2424 | 22.2 | 22.2 | 37
EN4SD16128WGY | EN4SD16128WLG | 16 | 12 | 8 | 16 | 1 | 2 | 10 | 11.33 | 6.71 | EP1612 | 14.2 | 10.2 | 16
EN4SD20168WGY | EN4SD20168WLG | 20 | 16 | 8 | 16 | 1 | 2 | 14 | 15.33 | 10.71 | EP2016 | 18.2 | 14.2 | 25
EN4SD20208WGY | EN4SD20208WLG | 20 | 20 | 8 | 16 | 1 | 2 | 14 | 15.33 | 14.71 | EP2020 | 18.2 | 18.2 | 28
EN4SD24208WGY | EN4SD24208WLG | 24 | 20 | 8 | 16 | 1 | 2 | 18 | 19.33 | 14.71 | EP2420 | 22.2 | 18.2 | 32
EN4SD24248WGY | EN4SD24248WLG | 24 | 24 | 14 | 2 | 2 | 18 | 19.33 | 16.15 | EP2424 | 22.2 | 22.2 | 40
EN4SD30248WGY | EN4SD30248WLG | 30 | 24 | 14 | 2 | 3 | 12 | 25.33 | 16.15 | EP3024 | 28.2 | 22.2 | 46
EN4SD202012WGY | EN4SD202012WLG | 20 | 20 | 12 | 16 | 1 | 2 | 18 | 15.33 | 14.71 | EP2020 | 18.2 | 18.2 | 34
EN4SD242012WGY | EN4SD242012WLG | 24 | 20 | 12 | 16 | 1 | 2 | 18 | 19.33 | 14.71 | EP2420 | 22.2 | 18.2 | 38
EN4SD242412WGY | EN4SD242412WLG | 24 | 24 | 14 | 2 | 2 | 18 | 18.33 | 16.15 | EP2424 | 22.2 | 22.2 | 47
EN4SD302412WGY | EN4SD302412WLG | 30 | 24 | 14 | 2 | 3 | 12 | 24.33 | 16.15 | EP3024 | 28.2 | 22.2 | 57
EN4SD242416WGY | EN4SD242416WLG | 24 | 24 | 16 | 2 | 2 | 18 | 18.33 | 16.15 | EP2424 | 22.2 | 22.2 | 66
EN4SD242420WGY | EN4SD242420WLG | 24 | 24 | 20 | 14 | 2 | 2 | 12 | 24.33 | 16.15 | EP2424 | 22.2 | 22.2 | 70
EN4SD302420WGY | EN4SD302420WLG | 30 | 24 | 20 | 14 | 2 | 3 | 12 | 24.71 | 16.15 | EP3024 | 28.2 | 22.2 | 82

¹ All Window Door latch types are quarter turns.

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### Industrial Enclosures

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### Wallmount Enclosures

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### Quality Enclosures. Service Excellence.
Eclipse Sloped Top Series, NEMA 4, 12
Single Door Enclosures

Application
• Designed to enclose electrical and/or electronic equipment and protect against harsh, industrial environments for wallmount applications.
• Sloped top prevents water from resting on top as well as providing potential for controls mounting.
• Impressive styling features like hidden hinges and attractive latching systems make the Eclipse a suitable addition to any high-tech equipment installation.
• A wide range of sizes and practical accessories make this product line a complete package.
• For high temperature applications, a gasket retainer may be required, please refer to factory.

Construction
• Formed 14 or 16 gauge steel.
• Continuously welded seams ground smooth.
• Door stiffeners are provided where required for increased strength and rigidity - designed to also permit additional mounting options.
• Formed lip on enclosure to exclude flowing liquids and contaminants.
• Door latches feature the added safety of quarter turn slot requiring use of tool for opening.
• Doors may be easily removed for modifications and are interchangeable.
• Oil resistant gaskets are permanently secured and can easily be replaced in the field if necessary.
• Collar studs provided for mounting inner panel.
• Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.
• Bonding stud provided on door and grounding stud installed in enclosure.
• Hinges are finished in mild steel.
• Stainless steel hinge pins and quarter turns.

Finish
• Cover and enclosure are finished in recoatable RAL 7035 light gray textured powder coating.

Standards
• UL 508 Type 3R, 4, 12 and 13
• CSA Type 3R, 4, 12 and 13
• Complies with
  • NEMA 3R, 4, 12 and 13
  • IEC 60529, IP66

Accessories
• Air conditioners...see page 387-405
• Blowers...see page 406
• Breather kits...see page 423
• DIN rails...see page 29
• DIN rail mounting kit...see page 29
• Door stop kit...see page 447
• Filter fans...see page 408-413
• Heaters...see page 418-420
• Handles...see page 30
• Inner panel...see page 28
• Quarter turn inserts and keys...see page 30
• Literature pocket...see page 451
• Mounting foot kit...see page 30
• Swing frame...see page 29
• Swing panel...see page 28
• Replacement hinge pins...see page 28
• Replacement quarter turn assemblies...see page 30
• Thermostats...see page 421
• Touch up paint...see page 450
• UL/CSA approved hardware kit...see page 430
• Padlock Adapter (EPA)...see page 431

Panel Sold Separately

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## Eclipse Sloped Top Series, NEMA 4, 12
### Single Door Enclosures

**Part Number** | **Dimensions (in)** | **Enclosure Size** | **Gauge** | **Door** | **Body** | **Panel Cat. Number** | **Latch Qty** | **Latch Style** | **Hinge Qty**  
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---  
ST12126LG  | 12 | 14.2 | 12 | 6 | 16 | EP1212 | 1 | Qtr Turn | 2  
ST16126LG  | 16 | 18.2 | 12 | 6 | 16 | EP1612 | 1 | Qtr Turn | 2  
ST20166LG  | 20 | 22.2 | 16 | 6 | 16 | EP2016 | 1 | Qtr Turn | 2  
ST20206LG  | 20 | 22.2 | 20 | 8 | 16 | EP2020 | 1 | Qtr Turn | 2  
ST16168LG  | 16 | 18.9 | 16 | 8 | 16 | EP1618 | 1 | Qtr Turn | 2  
ST20168LG  | 20 | 22.9 | 16 | 8 | 16 | EP2016 | 1 | Qtr Turn | 2  
ST20208LG  | 20 | 22.9 | 20 | 8 | 16 | EP2020 | 1 | Qtr Turn | 2  
ST24208LG  | 24 | 26.9 | 20 | 8 | 16 | EP2420 | 1 | Qtr Turn | 2  
ST24248LG  | 24 | 26.9 | 24 | 8 | 14 | EP2424 | 2 | Qtr Turn | 2  
ST30248LG  | 30 | 32.9 | 24 | 8 | 14 | EP3024 | 2 | Qtr Turn | 2  
ST30308LG  | 30 | 32.9 | 30 | 8 | 14 | EP3030 | 2 | Qtr Turn | 2  
ST36308LG  | 36 | 38.9 | 30 | 8 | 14 | EP3630 | 2 | Qtr Turn | 2  
ST242410LG | 24 | 27.6 | 24 | 10 | 14 | EP2424 | 2 | Qtr Turn | 2  
ST302410LG | 30 | 33.6 | 24 | 10 | 14 | EP3024 | 2 | Qtr Turn | 2  
ST363010LG | 36 | 39.6 | 30 | 10 | 14 | EP3630 | 2 | Qtr Turn | 2  
ST483610LG | 48 | 51.6 | 36 | 10 | 14 | EP4836 | 1 | 3-point | 4  
ST242412LG | 24 | 28.4 | 24 | 12 | 14 | EP2424 | 2 | Qtr Turn | 2  
ST302412LG | 30 | 34.4 | 24 | 12 | 14 | EP3024 | 2 | Qtr Turn | 2  
ST363012LG | 36 | 40.3 | 30 | 12 | 14 | EP3630 | 2 | Qtr Turn | 2  
ST363612LG | 36 | 40.3 | 36 | 12 | 14 | EP3636 | 2 | Qtr Turn | 2  
ST483612LG | 48 | 52.3 | 36 | 12 | 14 | EP4836 | 1 | 3-point | 4  
ST503612LG | 60 | 64.3 | 36 | 12 | 14 | EP5036 | 1 | 3-point | 4  
ST363016LG | 36 | 41.8 | 30 | 16 | 14 | EP3630 | 2 | Qtr Turn | 3  
ST483616LG | 48 | 53.7 | 36 | 16 | 14 | EP4836 | 1 | 3-point | 4  
ST302420LG | 30 | 37.3 | 24 | 20 | 14 | EP3024 | 2 | Qtr Turn | 3

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Eclipse Series- NEMA 4, 12
Two Door Enclosures

Application
- Designed to enclose electrical and/or electronic equipment and protect against harsh, industrial environments for wallmount applications.
- Impressive styling features like hidden hinges, attractive latching systems make the Eclipse a suitable addition to any high-tech equipment installation.
- A wide range of sizes and practical accessories make this product line a complete package.
- For high temperature applications, a gasket retainer may be required, please refer to factory.

Standards
- UL 508 Type 3R, 4 and 12
- CSA Type 3R, 4 and 12
- Complies with
  - NEMA 3R, 4 and 12
  - IEC 60529, IP66

Construction
- Formed 14 gauge steel.
- Smooth, continuously welded seams ground smooth.
- Door stiffeners are provided for increased strength and rigidity also designed to permit additional mounting options.
- Formed lip on enclosure to exclude flowing liquids and contaminants.
- Doors may be easily removed for modifications and are interchangeable.
- Oil resistant gaskets are permanently secured.
- Collar studs provided for mounting inner panel.
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.
- Bonding stud provided on door and grounding stud installed in enclosure.
- Doors are secured with a three point key lockable handle.
- Hinges are constructed from 304 stainless steel.
- Key lockable handle is zinc diecast with black epoxy finish.
- Hinge pins are stainless steel.

Finish
- Cover and enclosure are phosphatized and finished with a recoatable powder inside and out with choice of ANSI 61 smooth Gray (GY) or RAL7035 textured light gray (LG).
- RAL7032 textured beige (CG) versions with gland plates are available as non-stock items.

Accessories
- Air conditioners...see page 387-406
- Blowers...see page 406
- Breather kits...see page 423
- DIN rails...see page 29
- DIN rail mounting kit...see page 29
- Door stop kit...see page 447
- Filter fans...see page 408-413
- Gland plates...see page 441
- Heaters...see page 418-420
- Handles...see page 30
- Inner panel...see page 28
- Literature pocket...see page 451
- Replacement hinge pins...see page 28
- Thermostats...see page 421
- Touch up paint...see page 450
- UL/CSA approved hardware kit...see page 430
- Window kits...see page 444

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# Wallmount Enclosures

## Eclipse Series - NEMA 4, 12

### Two Door Enclosures

**Part No.**

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<td>34.2 58.2 165</td>
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</tbody>
</table>

**Technical references and DXF downloads available at www.hammfg.com**

All dimensions in inches unless specified otherwise

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Eclipse Series - NEMA 4, 12

Accessories

Eclipse Inner Panel
- Larger than standard NEMA panel used in same sized enclosure.
- 12 gauge steel construction (see chart, below).
- Larger sizes have 2 or 4 formed flanges for added strength.
- Slotted corner design for easier mounting.
- Finished in white or unpainted galvanized.

<table>
<thead>
<tr>
<th>Mild Steel</th>
<th>Galvanized</th>
<th>Size</th>
<th>D</th>
<th>E</th>
<th>Gauge</th>
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<tr>
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<td>EPG1224</td>
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<td>EPG2424</td>
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<tr>
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<td>EPG3024</td>
<td>28.2</td>
<td>22.2</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Eclipse Swing Panel
- Hinged panel allows access to internally mounted equipment.
- 12 gauge steel construction.
- Slotted quarter turn latches provide closure.
- Adding optional locking quarter turn latches (Part Number EQTRL...see page 30) convert this to a dead front panel.
- Complete with 4-6” depth adjustment channels.
- Hardware kit maintains UL, CSA and NEMA ratings when field installed.
- Finished in white.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Enclosure Size (A x B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESP1212</td>
<td>12 x 12</td>
</tr>
<tr>
<td>ESP1612</td>
<td>16 x 12</td>
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<tr>
<td>ESP1616</td>
<td>16 x 16</td>
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<tr>
<td>ESP2016</td>
<td>20 x 16</td>
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<tr>
<td>ESP2416</td>
<td>24 x 16</td>
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<td>ESP1620</td>
<td>16 x 20</td>
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<tr>
<td>ESP2020</td>
<td>20 x 20</td>
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<tr>
<td>ESP2420</td>
<td>24 x 20</td>
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</tr>
<tr>
<td>ESP2424</td>
<td>24 x 24</td>
</tr>
<tr>
<td>ESP3024</td>
<td>30 x 24</td>
</tr>
</tbody>
</table>

Eclipse Replacement Hinge Pins
- These are supplied with enclosure but offered here as replacements should originals be misplaced.
- Packaged in quantities of 5.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPINSS</td>
<td>Stainless steel hinge pin</td>
</tr>
</tbody>
</table>

Technical references and DXF downloads available at www.hammf.com

All dimensions in inches unless specified otherwise
Eclipse Swing Frame
- Provides 19" rack mounting with full EIA spacing (punched holes).
- Hinges allow easy equipment access.
- Slotted quarter turn latches provide closure.
- Adding optional locking quarter turn latches (EQTRL..., see page 30) provides added security.
- Complete with 4-6" depth adjustment channels.
- Order package of 25 clip nuts separately (Part No. 1421N25..., see page 430).
- Hardware kit maintains UL, CSA and NEMA ratings when field installed.
- Finished in black.

### Part No. Fits Enclosure Rack Spacing
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width</th>
<th>Height (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESF2424</td>
<td>19</td>
<td>11</td>
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<tr>
<td>ESF3024</td>
<td>19</td>
<td>14</td>
</tr>
<tr>
<td>ESF3624</td>
<td>19</td>
<td>17</td>
</tr>
</tbody>
</table>

DIN Rail Mounting Kit
- Field installable.
- Mounts directly to panel collar studs (panel not required).
- Accepts optional DIN rails, see below.
- DIN rails available separately.
- Zinc plated, yellow dichromate.

### Part No. A B C
<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>2DMK12</td>
<td>10</td>
<td>1.25</td>
<td>7</td>
</tr>
<tr>
<td>2DMK16</td>
<td>14</td>
<td>0.75</td>
<td>11</td>
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<tr>
<td>2DMK20</td>
<td>18</td>
<td>0.88</td>
<td>14</td>
</tr>
<tr>
<td>2DMK24</td>
<td>22</td>
<td>1.00</td>
<td>17</td>
</tr>
<tr>
<td>2DMK30</td>
<td>28</td>
<td>0.88</td>
<td>22</td>
</tr>
</tbody>
</table>

DIN Rails
- Field installable.
- Includes a set of 3 plated rails.
- Available in 3 industry standard profiles - DIN 1, DIN 3, and CENELEC.
- DIN rail mounting kit required for installation (see above).
- Rails have a 0.28 x 1.25 oblong slot on each end.
- Zinc plated.

### Asymmetric Din 1 Profile
<table>
<thead>
<tr>
<th>Asymmetric Din 1 Profile Part No.</th>
<th>Symmetric Din 3 Profile Part No.</th>
<th>Cenelec Profile Part No.</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2D1K12</td>
<td>2D2K12</td>
<td>2DCK12</td>
<td>9.25</td>
</tr>
<tr>
<td>2D1K16</td>
<td>2D2K16</td>
<td>2DCK16</td>
<td>13.25</td>
</tr>
<tr>
<td>2D1K20</td>
<td>2D2K20</td>
<td>2DCK20</td>
<td>17.25</td>
</tr>
<tr>
<td>2D1K24</td>
<td>2D2K24</td>
<td>2DCK24</td>
<td>21.25</td>
</tr>
<tr>
<td>2D1K30</td>
<td>2D2K30</td>
<td>2DCK30</td>
<td>27.25</td>
</tr>
</tbody>
</table>

For sizing, refer to master selection table...see page 20-21

Technical references and DXF downloads available at www.hammfg.com

All dimensions in inches unless specified otherwise

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Quarter Turn Inserts and Keys

- Field installable inserts replace standard quarter turn slot.
- Available in 7mm square and triangle formats, as well as slotted.
- Square and triangle inserts provide extra security since standard screw drivers cannot open.
- Keys sold separately from inserts.
- Maintains NEMA, UL and CSA 12, 4 and 4X ratings.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Material</th>
<th>NEMA Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>2SQI7</td>
<td>7mm square insert, black</td>
<td>Zinc Die/Black</td>
<td></td>
</tr>
<tr>
<td>2SQK7</td>
<td>7mm square key, fits 2SQI7</td>
<td>Zinc Die/Black</td>
<td></td>
</tr>
<tr>
<td>2TRI7</td>
<td>7mm triangle insert, black</td>
<td>Zinc Die/Black</td>
<td></td>
</tr>
<tr>
<td>2TRK7</td>
<td>7mm triangle key, fits 2TRI7</td>
<td>Zinc Die/Black</td>
<td></td>
</tr>
<tr>
<td>2SLI</td>
<td>Slotted insert, black</td>
<td>Zinc Die/Black</td>
<td></td>
</tr>
</tbody>
</table>

Quarter Turn Inserts and Keys

Replacement Quarter Turn Assemblies

- Field installable.
- Interchangeable with standard quarter turn latches.
- Maintains NEMA, UL and CSA ratings as noted.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Material</th>
<th>NEMA Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQTRL</td>
<td>Locking Qtr Turn</td>
<td>Zinc Die/Chrome n/a internal use only</td>
<td></td>
</tr>
<tr>
<td>2QTR</td>
<td>Slotted Qtr Turn</td>
<td>Zinc Die/Black</td>
<td>12, 4</td>
</tr>
<tr>
<td>2SSQTR</td>
<td>Slotted Qtr Turn</td>
<td>Stainless Steel</td>
<td>12, 4, 4X</td>
</tr>
<tr>
<td>2WKL</td>
<td>Wing knob lock</td>
<td>Zinc Die/Black</td>
<td>12, 4</td>
</tr>
<tr>
<td>2QPL</td>
<td>Padlockable quarter turn latch</td>
<td>Zinc Die/Black</td>
<td>12, 4</td>
</tr>
</tbody>
</table>

1 For use with Swing Frame/Panel. ...see page 28. All others for use with enclosures.

Handles

- Field installable.
- Interchangeable with standard quarter turn latches.
- Maintain NEMA, UL and CSA ratings as noted.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Material</th>
<th>NEMA Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHTL</td>
<td>Locking T Handle</td>
<td>Zinc Die/Black</td>
<td>12, 4</td>
</tr>
<tr>
<td>EHL</td>
<td>Locking L Handle</td>
<td>Zinc Die/Black</td>
<td>12, 4</td>
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<tr>
<td>EHLPL</td>
<td>Padlockable L Handle</td>
<td>Zinc Die/Black</td>
<td>12</td>
</tr>
<tr>
<td>EHLPLSS</td>
<td>Padlockable L Handle</td>
<td>Stainless Steel</td>
<td>12, 4, 4X</td>
</tr>
<tr>
<td>EHLNLSS</td>
<td>Non Locking L Handle</td>
<td>Stainless Steel</td>
<td>12, 4, 4X</td>
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</tbody>
</table>

Eclipse Mounting Foot Kit

- Maintains UL, CSA and NEMA ratings.
- Field installable.
- Pilot sits squarely into enclosure mounting holes for horizontal or vertical positioning.
- Available in plated black and stainless steel.
- Packaged in quantities of four.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material</th>
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<tbody>
<tr>
<td>EZPMF</td>
<td>Mild Steel</td>
</tr>
<tr>
<td>ESSMF</td>
<td>Type 304 Stainless</td>
</tr>
<tr>
<td>ES16MF</td>
<td>Type 316 Stainless</td>
</tr>
</tbody>
</table>

Technical references and DXF downloads available at www.hammfg.com

All dimensions in inches unless specified otherwise
1418 Series Single Door Enclosures - NEMA 12, 13
Continuous Hinge, Clamped Cover

Construction
- Formed 14 gauge steel bodies and doors.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Door and body stiffeners are provided in the larger enclosures for extra rigidity.
- Welded brackets provide for enclosure mounting.
- Formed lip on door and enclosure exclude flowing liquids and contaminants.
- Continuously hinged door may be removed by pulling the hinge pin.
- Door is secured with easily operated stainless steel clamps.
- Provision for padlocking.
- Oil resistant gaskets are permanently secured.
- A removable 12 gauge inner panel is included.
- Collar studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.
- A literature pocket is provided for the inside of the door.

Finish
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Removable inner panel is finished in white powder coating.

Application
- Designed to house electrical, electronic, hydraulic or pneumatic controls and instruments.
- Provides a degree of protection from falling dirt, dust, oil and water.

Standards
- UL 508 Type 12 and 13
- CSA Type 12 and 13
- Complies with
  - NEMA Type 12 and 13
  - JIC EGP-1-1967 unless marked
  - IEC 60529, IP54

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Panel Size</th>
<th>Centers</th>
<th>Ship Wt. lbs</th>
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</thead>
<tbody>
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<td>12 24 6</td>
<td>9 21 18.0</td>
<td>13.25 34</td>
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<tr>
<td>1418RB6</td>
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<td>13 9 9.5</td>
<td>17.25 26</td>
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<tr>
<td>1418RC6</td>
<td>16 16 6</td>
<td>13 13 10.0</td>
<td>17.25 32</td>
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<tr>
<td>1418RD6</td>
<td>16 20 6</td>
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<td>17 17 14.0</td>
<td>21.25 48</td>
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<tr>
<td>1418RH6</td>
<td>20 24 6</td>
<td>17 21 18.0</td>
<td>21.25 54</td>
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<tr>
<td>1418RI6</td>
<td>24 12 6</td>
<td>21 9 9.5</td>
<td>25.25 36</td>
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<tr>
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<td>24 16 6</td>
<td>21 13 10.0</td>
<td>25.25 46</td>
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<tr>
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<td>13 9 9.5</td>
<td>17.25 26</td>
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<td>13 13 10.0</td>
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<td>16 20 8</td>
<td>13 17 14.0</td>
<td>17.25 43</td>
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<td>20 12 8</td>
<td>17 9 9.5</td>
<td>21.25 35</td>
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<td>17 13 10.0</td>
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</tr>
<tr>
<td>1418RX6</td>
<td>20 20 8</td>
<td>17 17 14.0</td>
<td>21.25 48</td>
</tr>
</tbody>
</table>

* Does not meet JIC requirements
* Flat Panel not meet JIC

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All dimensions in inches unless specified otherwise.

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Quality Enclosures. Service Excellence.
# 1418 Series Single Door Enclosures - NEMA 12, 13

Continuous Hinge, Clamped Cover

## Technical References and DXF Downloads

Technical references and DXF downloads available at www.hammfg.com

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### 1418 Series Single Door Enclosures

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Panel Size</th>
<th>Centers</th>
<th>Ship Wt. lbs</th>
</tr>
</thead>
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<td>20 20 10 17 17</td>
<td>14.0 21.25</td>
<td>52</td>
</tr>
<tr>
<td>1418A10*</td>
<td>24 12 10 21 19</td>
<td>9.5 25.25</td>
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</tr>
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<td>1418E10</td>
<td>24 20 10 21 21</td>
<td>14.0 25.25</td>
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<td>30 20 10 27 21</td>
<td>14.0 31.25</td>
<td>76</td>
</tr>
<tr>
<td>1418K10</td>
<td>30 24 10 27 21</td>
<td>18.0 31.25</td>
<td>86</td>
</tr>
<tr>
<td>1418L10</td>
<td>36 24 10 33 21</td>
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<td>1418M10</td>
<td>36 30 10 33 27</td>
<td>24.0 37.25</td>
<td>124</td>
</tr>
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<td>42 30 10 39 27</td>
<td>24.0 43.25</td>
<td>140</td>
</tr>
<tr>
<td>1418P10*</td>
<td>42 36 10 39 33</td>
<td>30.0 43.25</td>
<td>192</td>
</tr>
<tr>
<td>1418R10*</td>
<td>48 30 10 45 27</td>
<td>24.0 49.25</td>
<td>162</td>
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1. Does not meet JIC requirements
2. Flat Panel not meet JIC

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1418 N4 Series Single Door Enclosures - NEMA 4
Continuous Hinge, Clamped Cover

Application
- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides protection where equipment may be hosed down or otherwise be very wet, or in outdoor applications for full weather protection.

Standards
- UL 508 Type 3R, 12, 4
- CSA Type 3R, 12, 4
- Complies with
  - NEMA Type 3R, 4, 12 and 13
  - JIC EGP-1-1967 unless marked
  - IEC 60529, IP66

Construction
- Formed 14 gauge steel bodies and doors.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Door and body stiffeners are provided in the larger enclosures for extra rigidity.
- Welded brackets provide for enclosure mounting.
- Formed lip on door and enclosure exclude flowing liquids and contaminants.
- Stainless steel continuous hinge on door may be removed by pulling the stainless steel hinge pin.
- Door is secured with easily operated stainless steel clamps.
- Provision for padlocking.
- Oil resistant gaskets are permanently secured.
- A removable 12 gauge inner panel is included.
- Collar studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.
- A literature pocket is provided for the inside of the door.

Finish
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating.
- Removable inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 433
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- Door clamping hardware ...see page 427
- Door stop kits...see page 447
- Enclosure stabilizers...see page 451
- Filter fans...see page 408-413
- Floor stand kits...see page 448
- Gland plates...see page 441
- Heaters...see page 418-420
- Lock kit...see page 428
- Louvered ventilating plates ...see page 450
- Quick release clamp...see page 427
- Terminal kit assemblies ...see page 437
- Thermostats...see page 421-422
- Window kits...see page 444

Technical references and DXF downloads available at www.hammfg.com
All dimensions in inches unless specified otherwise
### 1418 N4 Series Single Door Enclosures - NEMA 4
Continuous Hinge, Clamped Cover

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1. Does not meet JIC requirements
2. Flat Panel

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**Wallmount Enclosures**

- **Part No.** 1418N4L8
- **Panel Size** 36 24 8
- **Mtg. Centers** 33 21 18.0 37.25 101
- **Ship Wt. lbs.** 27

- **Part No.** 1418N4M8
- **Panel Size** 36 30 8
- **Mtg. Centers** 33 27 24 37.25 121
- **Ship Wt. lbs.** 27

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**Technical references and DXF downloads available at www.hammfg.com**

All dimensions in inches unless specified otherwise.

---

**Does not meet JIC requirements**

1. Does not meet JIC requirements
2. Flat Panel
1422 Series Two Door Wallmount Enclosures - NEMA 12

Continuous Hinge

Application
- Designed to house electrical, electronic, hydraulic or pneumatic controls and instruments.
- Provides a degree of protection from falling dirt, dust, oil and water.

Standards
- UL 508 Type 12
- CSA Type 12
- Complies with NEMA Type 12
- IEC 60529, IP54

Construction
- Enclosures are formed 12 or 14 gauge steel, as noted.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Body stiffeners are provided in enclosures 30” high or more for extra rigidity.
- Welded brackets provide for enclosure mounting.
- Gasketed overlapping doors eliminate the need for a center post.
- Continuously hinged doors may be removed by pulling the hinge pin.
- Doors are secured with a three point latch and operated with a key locking automotive type handle.
- Latch rods are equipped with rollers for easier door closing.
- Oil resistant gaskets are permanently secured.
- A removable 10 gauge inner panel is included in enclosures as noted.
- Smaller sizes include a 12 gauge inner panel.
- Collar studs are provided for mounting inner panels.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.
- A literature pocket is provided for the inside of the door.

Finish
- Cover and enclosure are phosphatized and finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Removable inner panel is finished in white powder coating.

Accessories
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- Door stop kits...see page 447
- Drip shield kits...see page 447
- Enclosure stabilizers...see page 451
- Filter fans...see page 408-413
- Floor stand kits...see page 448
- Gland plates...see page 441
- Heaters...see page 418-420
- Light kit...see page 447
- Louvered ventilating plates...see page 450
- Thermostats...see page 421
- Window kits...see page 444

Technical references and DXF downloads available at www.hammfg.com
All dimensions in inches unless specified otherwise
### 1422 Series Two Door Wallmount Enclosures - NEMA 12

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Data Subject to change without notice
Application
- Designed to house electrical, electronic, hydraulic or pneumatic controls and instruments.
- Provides a degree of protection from falling dirt, dust, oil and water.

Standards
- UL 508 Type 12
- CSA Type 12
- Complies with
  - NEMA Type 12
  - IEC 60529, IP54

Construction
- Enclosures 54” high or less are formed 14 gauge steel.
- Enclosures 60” high are formed 12 gauge steel.
- Enclosures 72” high are formed 12 gauge steel with a 10 gauge steel back.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Body stiffeners are provided in enclosures for extra rigidity.
- Heavy duty lifting eyebolts are provided with reinforced support angles.
- 12” floor stands are welded to the enclosure. (w/ feet Part No.)
- Welded brackets provide for enclosure mounting (w/o feet Part No.)

Construction...Cont’d
- Gasketed overlapping doors eliminate the need for a center post.
- Continuously hinged doors may be removed by pulling the hinge pin.
- Doors are secured with a three point latch and operated with a key locking automotive type handle.
- Latch rods are equipped with rollers for easier door closing.
- Oil resistant gaskets are permanently secured.
- A removable 10 gauge inner panel is included in enclosures 60” and larger. Smaller sizes include a 12 gauge inner panel.
- Panel supports are provided in enclosures 60” and larger for easy panel installation.
- Collar studs are provided for mounting inner panels.
- A grounding stud is provided in the enclosure for each door and a bonding stud is provided on the door.
- A literature pocket is provided for the inside of the door.

Finish
- Cover and enclosure are phosphatized and finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Removable inner panel is finished in white powder coating.

Accessories
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- Door stop kits...see page 447
- Drip shield kits...see page 447
- Enclosure stabilizers...see page 451
- Filter fans...see page 408-413
- Floor stand kits...see page 448
- Gland plates...see page 441
- Heaters...see page 418-420
- Inner Panels...see page 434
- Light kit...see page 447
- Louvered ventilating plates...see page 450
- Thermostats...see page 421
- Window kits...see page 444
### 1422 Series Two Door Floormount Enclosures - NEMA 12

#### Continuous Hinge

- **Front View** (Shown with Feet)

- **Section X-X**

- **Stiffener Layout**

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All dimensions in inches unless specified otherwise

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USA: 716.630.7030

Data Subject to change without notice
1422 Series Two Door Floormount Enclosures - NEMA 4
Continuous Hinge, Clamped Doors

Application
- Designed to house electrical, electronic, hydraulic or pneumatic controls and instruments.
- Provides protection where equipment may be hosed down or otherwise be very wet, or in outdoor applications for full weather protection.

Standards
- UL 508 Type 3R, 4 and 12
- CSA Type 3R, 4 and 12
- Complies with
  - NEMA Type 3R, 4 12 and 13
  - JIC EGP-1-1967
  - IEC 60529, IP66

Construction
- Formed 12 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Body stiffeners are provided in the larger enclosures for extra rigidity.
- Heavy duty lifting eyebolts are provided with reinforcing support angles.
- Center post is removable for easy installation of the inner panel.
- Formed lip on door and top of enclosure opening exclude flowing liquids and contaminants.
- Continuously hinged doors may be removed by pulling the stainless steel hinge pin.
- Doors are secured with heavy duty stainless steel clamps.
- Provision for padlocking.
- 12" floor stands are welded to the enclosure.
- Oil resistant gaskets are permanently secured.
- A removable 10 gauge inner panel is included.
- Panel supports are provided for easy panel installation.
- Collar studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure for each door.
- A literature pocket is provided for the inside of the door.

Finish
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating.
- Removable white inner panel is finished in white powder coating.

Accessories
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- Door stop kits...see page 447
- Drip shield kits...see page 447
- Enclosure stabilizers...see page 451
- Filter fans...see page 408-413
- Floor stand kits...see page 448
- Gland plates...see page 441
- Heaters...see page 418-420
- Inner Panels...see page 434
- Light kit...see page 447
- Louvered ventilating plates...see page 450
- Thermostats...see page 421
- Window kits...see page 444

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All dimensions in inches unless specified otherwise
## 1422 Series Two Door Floormount Enclosures - NEMA 4

**Continuous Hinge, Clamped Doors**

### Technical Specifications

**Part No.**  
1422N4B10F  
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1422N4E12F  
1422N4F12F  
1422N4F24F

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All dimensions in inches unless specified otherwise.
1418 Series Single Door Freestanding Enclosures - NEMA 12
Single or Dual Access

**Application**
- Designed to house electrical, electronic, hydraulic or pneumatic controls with provision for panel mounting or rack mounting of equipment.
- Provides a degree of protection from falling dirt, dust, oil and water.
- Available with front access only or both front and rear access.
- A variety of inner panels, rack mounting rails and swing out frames are available to provide flexibility in mounting arrangements.

**Standards**
- UL 508 Type 12
- CSA Type 12
- Complies with
  - NEMA Type 12
  - IEC 60529, IP54

**Construction**
- Formed 12 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Lifting eyes provide for easy enclosure handling.
- Doors are supported with heavy gauge continuous hinges.
- Doors are secured with a three point latch and operated with a key locking automotive type handle.
- Latch rods are equipped with rollers for easier door closing.
- Oil resistant gaskets are permanently secured and mechanically retained.
- Mounting channels are welded on the inside of the enclosure for mounting of optional inner panels or rack equipment rails.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.
- A literature pocket is provided for the inside of the door (Two pockets are provided for dual access units).

**Finish**
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Optional inner panels, rails, frames and supports are finished in white powder coating.

**Accessories**
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- Door stop kits...see page 447
- Drip shield kits...see page 447
- Filter fans...see page 408-413
- Floor stand kits...see page 448
- Gland plates...see page 441
- Heaters...see page 418-420
- Inner Panels...see page 48
- Light kit...see page 447
- Louvered ventilating plates...see page 450
- Thermostats...see page 421
- Window kits...see page 444

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All dimensions in inches unless specified otherwise
1418 Series Single Door Freestanding Enclosures - NEMA 12
Single or Dual Access

Single Access

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Note: 4 eyebolts are provided for 30.06" and 36.06" deep enclosures (both dual and single access)

Maximum Useable Depth
Single Access only
From inside surface of front door to front face of Full Width Panel
Inner Panel in Full Back Position

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* Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available...see page 48.

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Data Subject to change without notice
Application
- Designed to house electrical, electronic, hydraulic or pneumatic controls with provision for panel mounting or rack mounting of equipment.
- Provides protection where equipment may be hosed down or otherwise be very wet, or in specific applications where corrosion is a serious problem.
- A variety of inner panels, rack mounting rails and swing out frames are available to provide flexibility in mounting arrangements.

Standards
- UL 508 Type 3R, 4 and 12
- CSA Type 3R, 4 and 12
- Complies with
  - NEMA Type 3R, 4, 12 and 13
  - IEC 60529, IP54

Construction
- Formed 12 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Lifting eyes provide for easy enclosure handling.
- Doors are supported with heavy gauge continuous hinges.
- Doors are secured with heavy duty stainless steel clamps.
- Oil resistant gaskets are permanently secured and mechanically retained.
- Mounting channels are welded on the inside of the enclosure for mounting of optional inner panels or rack equipment rails.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.

Finish
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Optional inner panels are finished in white powder coating.

Accessories
- Air conditioners...see page 387-405
- Breather kits...see page 423
- Door stop kits...see page 447
- Drip shield kits...see page 447
- Filter fans...see page 408-413
- Gland plates...see page 441
- Heaters...see page 418-420
- Inner Panels...see page 48
- Light kit...see page 447
- Panel rails...see page 49
- Swing frame...see page 49
- Thermostats...see page 421
- Window kits...see page 444
1418 N4 Series Freestanding Enclosures - NEMA 4
Single Door

**Part No.** | **A** | **B** | **C** | **Optional Full Panel** | **Ship Wt., lbs.**
---|---|---|---|---|---
1418N4W18 | 72.06 | 25.06 | 18.06 | 72WFW | 290
1418N4X24 | 72.06 | 31.06 | 24.06 | 72XFW | 250
1418N4Y24 | 72.06 | 37.06 | 24.06 | 72YFW | 390

1 Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available...see page 48.

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1418 Series Two Door Freestanding Enclosures - NEMA 12
Single or Dual Access

Application
- Designed to house electrical, electronic, hydraulic or pneumatic controls with provision for panel mounting or rack mounting of equipment.
- Provides a degree of protection from falling dirt, dust, oil and water.
- Available with front access only or both front and rear access.
- A variety of inner panels, rack mounting angles and swing frames are available to provide flexibility in equipment mounting.

Standards
- UL 508 Type 12
- CSA Type 12
- Complies with
  - NEMA Type 12
  - IEC 60529, IP65

Construction
- Formed 12 gauge steel (10 gauge on back of single access enclosures).
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Stiffeners on the rear of the enclosure provide rigidity. (Single access)
- Lifting eyes provide for easy enclosure handling.
- Doors are supported with heavy gauge continuous hinges.
- Doors are secured with a three point latch and operated with a key locking automotive type handle.
- Latch rods are equipped with rollers for easier door closing.
- Oil resistant gaskets are permanently secured and mechanically retained.
- Mounting channels are welded on the inside of the enclosure for mounting of optional inner panels or rack equipment rails.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure for each door.
- A literature pocket is provided for the inside of the door (Two pockets are provided for dual access units).

Finish
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Optional inner panels, rails, frames and supports are finished in white powder coating.

Accessories
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- Center panel support...see page 48
- Door stop kits...see page 447
- Drip shield kits...see page 447
- Enclosure stabilizers...see page 451
- Filter fans...see page 408-413
- Floor stand kits...see page 448
- Gland plates...see page 441
- Heaters...see page 418-420
- Inner Panels...see page 48
- Light kit...see page 447
- Louvered ventilating plates...see page 450
- Thermostats...see page 421
- Window kits...see page 444

Technical references and DXF downloads available at www.hammfg.com

All dimensions in inches unless specified otherwise
1418 Series Two Door Freestanding Enclosures - NEMA 12
Single or Dual Access

### Single Access

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>F</th>
<th>G</th>
<th>Optional Full Panel</th>
<th>Ship Wt.</th>
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1 Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available...

### Dual Access

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<th>Part No.</th>
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</table>

1 Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available...

Note: 4 eyebolts are provided for 36.06" deep enclosures (both dual and single access)
Inner Panels
- Formed from 10 gauge or 12 gauge steel.
- All double door width panels are 10 gauge steel.
- Width panels are available in full or half height.
- Depth panels are available in full height only.
- Depth and width panels are provided with all mounting hardware and center support where required.
- Half panel can be mounted in the top or bottom half of the enclosure.
- Finished in white.

Single Door Width Panels

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Enclosure</th>
<th>Panel Size</th>
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<tbody>
<tr>
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<td>48.00 x 20</td>
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<td>60.00 x 20</td>
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<td>30.87 x 20</td>
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<tr>
<td>90YFWF</td>
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<td>90 x 24</td>
<td>78.00 x 20</td>
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<td>90YWHW</td>
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<td>72 x 30</td>
<td>60.00 x 26</td>
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<tr>
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<td>60.00 x 32</td>
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Double Door Width Panels

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<td>26</td>
<td>78</td>
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</table>

1418 CS Series Center Panel Supports
- Adapts panels, swing frames, and panel rails from single door enclosures so they can be used on double door enclosures.
- Suitable for single or dual access double door enclosures.
- Center panel support mounts into front to back mounting channels (top and bottom) found in two door enclosures.
- Allows a combination of two 20" panels in a 48" wide enclosure, two 26" panels in a 60" wide enclosure, or two 32" panels in a 72" wide enclosure.
- Width is adjustable from 1.91" to 2.34".
- Support may be positioned at any depth within the enclosure.
- Finished in white.
Panel Rails
- Provides 19" or 24" mounting capability.
- Sold in pairs.
- Formed from 10 gauge steel.
- Drilled and tapped 10-32 to EIA spacing of 0.5" - 0.63" - 0.63" - 0.5".
- Finished in white.

Swing Out Frames For 19" Rack Mounting
- Formed from 10 gauge steel, frames are drilled and tapped to EIA requirements for mounting standard 19" rack accessories.
- Designed for installation in 72" and 90" high enclosures. The swing frame pivots on 0.5" pins within the enclosure for easy access to the rear of rack mounted equipment.
- The frame positions at any depth within the enclosure and is fastened in the closed position with quarter turn fasteners.
- Swing frames may be mounted in 30" and 36" wide enclosures, or in 60" and 72" wide enclosures with an optional center panel support...see page 48.
- One or two frames may be mounted in 30" and 36" wide enclosures with dual access, and 1,2,3 or 4 frames may be mounted in 60" and 72" wide dual access enclosures.
- Finished in black.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Panel Description</th>
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<th>Panel Height</th>
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Note: When using a swing out frame on a double door enclosure, a Center Panel Support must also be used and ordered separately...see previous page.

Technical references and DXF downloads available at www.hammfg.com

All dimensions in inches unless specified otherwise
1422 MD Series Multiple Door Enclosures - NEMA 12
Continuous Hinge, Padlockable Doors

Application
- Designed to house electrical, electronic, hydraulic or pneumatic controls and instruments.
- Provides a degree of protection from falling dirt, dust, oil and water.

Standards
- UL 508 Type 12
- CSA Type 12
- Complies with
  - NEMA Type 12
  - JIC EGP-1-1967
  - IEC 60529, IP54

Construction
- Formed 10 gauge steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Heavy duty body stiffeners are provided for extra rigidity.
- Reinforced eyebolts are provided for easy enclosure lifting.
- Double door openings have gasketed overlapping doors, eliminating the need for a center post.
- Continuously hinged doors may be removed by pulling the hinge pin.
- Doors are secured with a three point latch and operated with a vault type padlocking handle.

Construction...cont'd
- Latch rods are equipped with rollers for easier door closing.
- Oil resistant gaskets are permanently secured and mechanically retained.
- Removable 10 gauge inner panels are included in the enclosures.
- 3 door units have 2 panels (34" x 78" and 70" x 78").
- 4 door units have 2 panels (70" x 78" each).
- 5 door units have 3 panels (one 34" x 78" and two 70" x 78").
- Slave doors have mechanical interlock and cannot be opened unless the master door is open.
- Panel supports are provided in enclosures for easy panel installation.
- Collar studs are provided for mounting inner panels.
- A grounding stud is provided in the enclosure for each door and a bonding stud is provided on the door.
- A literature pocket is provided for the inside of the door.

Finish
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Removable inner panels are finished in white powder coating.

Accessories
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- Door stop kits...see page 447
- Filter fans...see page 408-413
- Gland plates...see page 441
- Heaters...see page 418-420
- Louvered ventilating plates...see page 450
- Thermostats...see page 421
- Window kits...see page 444

<table>
<thead>
<tr>
<th>Part No.</th>
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1422 MD Series Multiple Door Enclosures - NEMA 12
Continuous Hinge, Padlockable Doors

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