## Corrosion Resistant Enclosures

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- 1418 Series Stainless Steel Enclosures
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- HN4 Series Stainless Steel Two Door Enclosures
  - Continuous Hinge, 3pt Handle
  - NEMA 4X
- 1422 Series Stainless Steel Floor Mount Two Door Enclosures
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- 1422 Series Stainless Steel Floor Mount Two Door Enclosures
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- HN4 Series Stainless Steel Floor Mount Two Door Enclosures
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  - NEMA 4X
- 1418 Series Stainless Steel Freestanding Enclosures
  - Single Door, Clamped
  - NEMA 4X
- 1418 Series Stainless Steel Freestanding Enclosures
  - Single Door, Quarter Turn
  - NEMA 4X
- HN4 Series Stainless Steel Freestanding Enclosures
  - Single Door, 3-Point Handle
  - NEMA 4X
- 1418 Series Accessories

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USA: 716.630.7030
Data Subject to change without notice
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Corrosion Resistant Enclosures

Corrosion Resistant Quality Products. Service Excellence.

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1414 N4 AL Aluminum Series - NEMA 4
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 specific applications where corrosion is a problem.

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

Construction
• Formed from 0.08" Type 5052 H-32 aluminum.
• Sizes smaller than 6" x 6" are formed from 0.06" aluminum.
• Smooth, continuously welded seams without knockouts, cutouts or holes.
• Welded brackets provide for enclosure mounting.
• Cover is secured with easily operated aluminum clamps.
• Seamless poured-in place gasket.
• All models larger than 4" x 4" include a removable 14 gauge inner panel.
• Tapped 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 natural unfinished aluminum.
• Removable inner panel is finished in white powder coating.

Accessories
• Additional inner panels ...see page 436
• Breather kits...see page 400-401
• Door clamping hardware ...see page 429
• Heaters...see page 393-396
• Terminal kit assemblies ...see page 441
• Thermostats...see page 397
• Window kits...see page 449
### 1414 N4 AL Aluminum Series - NEMA 4

#### Lift-Off Cover

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Technical references and CAD downloads available at www.hammondmfg.com  
All dimensions in inches unless specified otherwise.
Junction Boxes

1590Z Diecast Aluminum Enclosures - NEMA 4X
Watertight, Thick Wall

Application
• Designed for use as electronic instrument enclosures, electrical junction boxes or terminal wiring enclosures.

Standards
• UL, cUL 508 Type 4, 4X
• Complies with
  • NEMA 4, 4X
  • IEC60529 IP66

Construction
• Rugged diecast aluminum alloy BS1490, LM6.
• Two piece "tongue & groove" construction with a silicone rubber provides protection against dust accumulation and water.
• Ideal for repetitive opening and closing.
• Four recessed stainless steel machine screws secure lid into tapped holes. Screws are self captivating using either individual neoprene "O" rings (outside the lid gasket seal) or using screw captivating lid.
• Copper ground screws and washers included.
• Easy wall mounting with "through box, blind hole" construction.
• Models 1590Z100, 1590Z120, 1590Z164, 1590Z166, 1590Z140, 1590Z235, 1590Z150 and 1590Z160 include mounting shelves and 6 drilled and tapped holes for mounting or grounding.
• Models 1590Z110, 1590Z130 and 1590Z135 include 2 drilled and tapped holes for mounting or grounding.
• Models 1590Z135 and 1590Z160 also include a drilled and tapped grounding hole in the lid.

Finish
• Painted versions are finished in RAL 7001 gray or black powder coating inside and out.
• Unpainted versions are a natural unfinished aluminum.
### 1590Z Diecast Aluminum Enclosures - NEMA 4X

**Watertight, Thick Wall**

**Technical Reference and CAD Downloads**

Inches are for reference only. Use metric for precise measurements.

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
R100 Diecast Aluminum Enclosures - NEMA 4X

Standards
- CSA-US Type 4
- Complies with
  - NEMA 4
  - IEC 60529, IP66

Construction
- Aluminum diecast G Al Si 12 / DIN 1725, Leg 230
- Captive stainless steel lid screws are standard.
- Neoprene oil and petrol resistant gasket standard.
- Temperature range -30°C to +100°C (-22°F to +212°F).
- Single-channel Fastening System. Trouble-free turning 90° to 90° with square enclosures by synchronous arrangement of channels.

Finish
- Textured polyester powder coat, beige RAL 7032.
### R100 Diecast Aluminum Enclosures - NEMA 4X

**Part No.** | **Series** | **Units** | **Width** | **Length** | **Height**
---|---|---|---|---|---
R100-060-000 | AS-060 | inch | 3.15 | 4.72 | 0.51
| | | mm | 4.20 | 6.00 | 0.51
R100-062-000 | AS-062 | inch | 3.15 | 4.72 | 0.51
| | | mm | 4.20 | 6.00 | 0.51
R100-064-000 | AS-064 | inch | 3.15 | 4.72 | 0.51
| | | mm | 4.20 | 6.00 | 0.51
R100-066-000 | AS-066 | inch | 3.15 | 4.72 | 0.51
| | | mm | 4.20 | 6.00 | 0.51
R100-080-000 | AS-080 | inch | 4.72 | 7.09 | 0.51
| | | mm | 5.60 | 8.50 | 0.51
R100-082-000 | AS-082 | inch | 4.72 | 7.09 | 0.51
| | | mm | 5.60 | 8.50 | 0.51
R100-084-000 | AS-084 | inch | 4.72 | 7.09 | 0.51
| | | mm | 5.60 | 8.50 | 0.51
R100-100-000 | AS-100 | inch | 5.87 | 8.19 | 0.51
| | | mm | 7.00 | 10.00 | 0.51
R100-102-000 | AS-102 | inch | 5.87 | 8.19 | 0.51
| | | mm | 7.00 | 10.00 | 0.51
R100-104-000 | AS-104 | inch | 5.87 | 8.19 | 0.51
| | | mm | 7.00 | 10.00 | 0.51
R100-120-000 | AS-120 | inch | 6.65 | 9.95 | 0.51
| | | mm | 7.80 | 11.00 | 0.51
R100-122-000 | AS-122 | inch | 7.40 | 10.70 | 0.51
| | | mm | 8.50 | 12.00 | 0.51
R100-124-000 | AS-124 | inch | 8.16 | 11.46 | 0.51
| | | mm | 9.30 | 13.00 | 0.51
R100-160-000 | AS-160 | inch | 8.74 | 12.04 | 0.51
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R100-162-000 | AS-162 | inch | 8.74 | 12.04 | 0.51
| | | mm | 10.00 | 13.00 | 0.51
R100-164-000 | AS-164 | inch | 8.74 | 12.04 | 0.51
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R100-200-000 | AS-200 | inch | 11.00 | 14.30 | 0.51
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R100-242-000 | AS-242 | inch | 13.69 | 16.98 | 0.51
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R100-244-000 | AS-244 | inch | 13.69 | 16.98 | 0.51
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R100-320-000 | AS-320 | inch | 18.02 | 21.32 | 0.51
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R100-322-000 | AS-322 | inch | 18.02 | 21.32 | 0.51
| | | mm | 21.80 | 27.20 | 0.51
R100-324-000 | AS-324 | inch | 18.02 | 21.32 | 0.51
| | | mm | 21.80 | 27.20 | 0.51

**Notes:**
- Inches are for reference only. Use metric for precise measurements.
- Corrosion Resistant
1418 Series Single Door Aluminum 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 specific applications where corrosion may be a problem.

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

Construction
- Formed from 0.10" Type 5052 H-32 aluminum.
- 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 excludes flowing liquids and contaminants.
- Aluminum continuous hinge on door may be removed by pulling the aluminum hinge pin.
- Door is secured with easily operated aluminum clamps.
- Provision for padlocking.
- Seamless poured-in-place gasket.
- 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 natural unfinished aluminum.
- Removable inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 436
- Breather kits...see page 400-401
- Door stop kits...see page 453
- Heaters...see page 393-396
- Lock kit...see page 431
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Window kits...see page 449

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

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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¹ Meets UL standards ² Flat panel

Vertical stiffener required on KK and M only.
Omit center body stiffener if A is less than 41°.
Padlocking hasp and staple.
Omit 2 middle studs if A is less than 31°.
Omit body stiffeners if A or B is less than 29°.
Omit 2 middle studs if B is less than 31°.
Omit door stiffener if A or B is less than 31°.

Quality Products. Service Excellence.
Eclipse Junior Series Stainless Steel Enclosures - NEMA 4X
Single Door Enclosures

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 specific applications where corrosion may be a problem.
- For high temperature applications, a gasket retainer may be required, please refer to factory.

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

Construction
- Body and cover are formed from 16 gauge 304 or 316 stainless 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 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 316 stainless steel
- Seamless poured-in place gasket.
- Models larger than 4”x4” include a removable 14 gauge galvanized inner panel.
- Tapped studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided on the enclosure.
- Grounding and panel mounting hardware provided.

Finish
- Cover and enclosure are natural stainless steel with a smooth brushed finish.
- Removable inner panel is unpainted galvanized steel.

Accessories
- Additional inner panels...see page 436
- Breather kits...see page 400-401
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Louvered ventilating plates...see page 402
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Window kits...see page 449
- Padlock Adaptor (EJPA)...see page 435

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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### Eclipse Junior Series Stainless Steel Enclosures - NEMA 4X

**Single Door Enclosures**

**Technical references and CAD downloads available at www.hammondmfg.com**

All dimensions in inches unless specified otherwise

#### 304 S.S. Part Number | 316 S.S. Part Number | Overall Dimensions | Panel Size | Ship Wt.
--- | --- | --- | --- | ---
EJ644SS | EJ644S16 | 6.00 | 4.00 | 4.00 | 4.88 | 2.88 | 3.92 | 6.75 | 2.00 | 3.00 | 3
EJ664SS | EJ664S16 | 6.00 | 6.00 | 4.00 | 4.88 | 4.88 | 3.92 | 6.75 | 4.00 | 3.00 | 4
EJ863SS | EJ863S16 | 8.00 | 6.00 | 3.5 | 6.75 | 4.88 | 3.42 | 8.75 | 4.00 | 4.00 | 5
EJ1084SS | EJ1084S16 | 10.00 | 8.00 | 4.00 | 8.75 | 6.88 | 3.92 | 10.75 | 6.00 | 5.00 | 8
EJ1210SSS | EJ12105S16 | 12.00 | 10.00 | 5.00 | 10.75 | 8.88 | 4.92 | 12.75 | 8.00 | 6.00 | 12
EJ12126SS | EJ12126S16 | 12.00 | 12.00 | 6.00 | 10.75 | 10.88 | 5.92 | 12.75 | 10.00 | 6.00 | 15
EJ14126SS | EJ14126S16 | 14.00 | 12.00 | 6.00 | 12.75 | 10.88 | 5.92 | 14.75 | 10.00 | 7.00 | 17
EJ14128SS | EJ14128S16 | 14.00 | 12.00 | 8.00 | 12.75 | 10.88 | 7.92 | 14.75 | 10.00 | 7.00 | 18
EJ16146SS | EJ16146S16 | 16.00 | 14.00 | 6.00 | 14.75 | 12.88 | 5.92 | 16.75 | 12.00 | 8.00 | 21
EJ161410SS | EJ161410S16 | 16.00 | 14.00 | 10.00 | 14.75 | 12.88 | 9.92 | 16.75 | 12.00 | 8.00 | 23

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1414 N4 PHSS Series Stainless Steel Enclosures - NEMA 4X
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 specific applications where corrosion may be a problem.

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

Construction
- Formed from 14 gauge 304 or 316 stainless steel.
- Smooth, continuously welded seams.
- Welded brackets provide for enclosure mounting.
- Continuous stainless steel hinged cover is secured with stainless steel clamps and screws.
- Seamless poured-in place gasket.
- All models include a removable 14 gauge inner panel.
- Tapped 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 natural stainless steel with a smooth brushed finish.
- Removable inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 436
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Louvered ventilating plates...see page 402
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
## 1414 N4 PHSS Series Stainless Steel Enclosures - NEMA 4X

- **Continuous Hinge, Clamped Cover**

### Technical Data

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*Technical references and CAD downloads available at www.hammondmfg.com*  
*All dimensions in inches unless specified otherwise*
1414 N4 SS Stainless Steel Enclosures - NEMA 4X
Lift-Off, 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 specific applications where corrosion may be a problem.

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

Construction
- Formed from 14 gauge 304 stainless steel.
- Smooth, continuously welded seams.
- Welded brackets provide for enclosure mounting.
- Lift-Off cover is secured with stainless steel clamps and screws.
- Seamless poured-in place gasket.
- All models larger than 4” x 4” include a removable 14 gauge inner panel.
- Tapped 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 natural stainless steel with a smooth brushed finish.
- Removable inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 436
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Louvered ventilating plates...see page 402
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Window kits...see page 449

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All dimensions in inches unless specified otherwise
**1414 N4 SS Stainless Steel Enclosures - NEMA 4X**

**Junction Boxes**

**Part Number**
- 1414N4SSA
- 1414N4SC4
- 1414N4SE
- 1414N4SG
- 1414N4SI
- 1414N4SM6
- 1414N4SO6

**Dimensions**
- A: Width
- B: Height
- C: Depth
- D: Panel Center
- E: Panel Width
- F: Panel Height
- G: Mounting Centers
- H: Panel Center to Cover
- J: Panel Center to Mounting
- L: Panel Center to Cover
- M: Panel Center to Mounting
- N: Panel Center to Cover
- V: Panel Center to Mounting
- Y: Panel Center to Cover

**Mounting Centers**
- 4.75
- 2.00
- 2.60
- 5.50
- 4.31

**Shut Size (lbs)**
- 2
- 3
- 4

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All dimensions in inches unless specified otherwise.
Eclipse Series, Stainless Steel - NEMA 4X
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 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.

Standards
- UL 508 Type 3R, 4, 4X and 12
- CSA Type 3R, 4, 4X and 12
- Complies with
  - NEMA 3R, 4, 4X, 12 and 13
  - IEC 60529, IP 66

Construction
- Formed 14 or 16 gauge 304 or 316 stainless 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.
- Seamless poured-in-place gasket.
- 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.
- 3 point latching handle (where applicable) is zinc diecast with black epoxy finish.
- Stainless steel hinge pins and quarter turns.
- Door alignment guide provided on 36” wide enclosures.

Finish
- Cover and enclosure are natural stainless steel with a smooth brushed finish.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- DIN rails...see page 89
- DIN rail mounting kit...see page 88
- Door stop kit...see page 453
- Door support guide...see page 451
- Drip shield kits...see page 451
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- Heaters...see page 393-396
- Handles...see page 90
- Inner panel...see page 87
- Quarter turn inserts and keys...see page 89
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- Swing frame...see page 88
- Swing panel...see page 87
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- Replacement quarter turn assemblies...see page 89
- Thermostats...see page 397
- UL/CSA approved hardware kit...see page 433
- Padlock Adaptor (EPA)...see page 90

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## Eclipse Series, Stainless Steel - NEMA 4X

### Single Door Enclosures

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Technical references and CAD downloads available at www.hammondmfg.com All dimensions in inches unless specified otherwise
Eclipse Series, Stainless Steel - NEMA 4X
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 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.

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

Construction
- Formed 14 or 16 gauge 304 stainless steel.
- Full view UV resistant polycarbonate window allows maximum viewing area of inner panel.
- 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.
- Seamless poured-in-place gasket.
- 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.
- Stainless steel hinge pins and quarter turns.

Finish
- Cover and enclosure are natural stainless steel with a smooth brushed finish.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- DIN rails...see page 89
- DIN rail mounting kit...see page 88
- Door stop kit...see page 453
- Door support guide...see page 451
- Drip shield kits...see page 451
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Handles...see page 90
- Inner panel...see page 87
- Quarter turn inserts and keys...see page 89
- Literature pocket...see page 456
- Mounting foot kit...see page 90
- Swing frame...see page 88
- Swing panel...see page 87
- Replacement hinge pins...see page 88
- Replacement quarter turn assemblies...see page 89
- Thermostats...see page 397
- UL/CSA approved hardware kit...see page 433
- Padlock Adaptor (EPA)...see page 90

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
## Eclipse Series, Stainless Steel - NEMA 4X

### Single Window Door Enclosures

### Front View

### Side View


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¹ All Window Door latch types are quarter turns.

Technical references and CAD downloads available at [www.hammondmfg.com](http://www.hammondmfg.com)  
All dimensions in inches unless specified otherwise
Eclipse Series, Painted Stainless Steel - NEMA 4X
Single Door Enclosures with 3-Point Handle

Application
- Designed to enclose electrical and/or electronic equipment and protect against harsh, industrial environments for wallmount applications.
- 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.

Standards
- UL 508 Type 3R, 4, 4X and 12
- CSA Type 3R, 4, 4X and 12
- Complies with
  - NEMA 3R, 4, 4X, 12 and 13
  - IEC 60529, IP 66

Construction
- Formed 14 gauge 304 stainless 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.
- Doors are secured with a 3 point Handle in 316 stainless with pad lockable feature.
- Doors may be easily removed for modifications and are interchangeable.
- Seamless poured-in place gasket.
- 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.
- Stainless steel hinge pins and hinges.

Finish
- Cover and enclosure are finished in recoatable smooth RAL 9003 White powder coating inside and out.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- DIN rails...see page 89
- DIN rail mounting kit...see page 88
- Door stop kit...see page 453
- Door support guide...see page 451
- Drip shield kits...see page 451
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Handles...see page 90
- Inner panel...see page 87
- Literature pocket...see page 456
- Mounting foot kit...see page 90
- Swing frame...see page 88
- Swing panel...see page 87
- Replacement hinge pins...see page 88
- Thermostats...see page 397
- UL/CSA approved hardware kit...see page 433
Eclipse Series, Painted Stainless Steel - NEMA 4X
Single Door Enclosures with 3-Point Handle

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Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Eclipse Sloped Top Series, Stainless Steel - NEMA 4X
Sloped Top 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.

Construction
- Formed 14 gauge 304 stainless 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.
- Seamless poured-in place gasket.
- 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 304 stainless.
- Stainless steel hinge pins and quarter turns.
- Door alignment guide provided on 36" wide enclosures.

Finish
- Cover and enclosure are natural stainless steel with a smooth brushed finish.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- DIN rails...see page 89
- DIN rail mounting kit...see page 88
- Door stop kit...see page 453
- Door support guide...see page 451
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- Literature pocket...see page 456
- Mounting foot kit...see page 90
- Swing frame...see page 88
- Swing panel...see page 87
- Replacement hinge pins...see page 88
- Replacement quarter turn assemblies...see page 89
- Thermostats...see page 397
- UL/CSA approved hardware kit ...see page 433
- Padlock Adaptor (EPA)...see page 90
### Eclipse Sloped Top Series, Stainless Steel - NEMA 4X

#### Sloped Top Enclosures

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* Back is 10 gauge stainless steel

Technical references and CAD downloads available at [www.hammondmfg.com](http://www.hammondmfg.com)

All dimensions in inches unless specified otherwise
Eclipse Series - NEMA 4X

Accessories

### Eclipse Inner Panel
- Larger than standard NEMA panel used in same sized enclosure.
- Larger sizes have 2 or 4 formed flanges for added strength.
- Slotted corner design for easier mounting.
- Finished in white or unpainted galvanized.

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<td>22.2</td>
<td>12</td>
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</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 89) 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>
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<tr>
<td>ESP1612</td>
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<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>36 x 24</td>
</tr>
<tr>
<td>ESP3630</td>
<td>36 x 30</td>
</tr>
</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
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>

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 89) provides added security.
- Complete with 4-6” depth adjustment channels.
- Order package of 25 clip nuts separately (Part No. 1421N25).
- Hardware kit maintains UL, CSA and NEMA ratings when field installed.
- Finished in black.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Enclosure Size (A x B)</th>
<th>Rack Spacing Width (Units)</th>
<th>Rack Spacing Height (Units)</th>
</tr>
</thead>
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<tr>
<td>ESF2424</td>
<td>24 x 24</td>
<td>19</td>
<td>11</td>
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<tr>
<td>ESF3024</td>
<td>30 x 24</td>
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<td>14</td>
</tr>
<tr>
<td>ESF3624</td>
<td>36 x 24</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.

<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>
</tr>
<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>
Eclipse Series - NEMA 4X

**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.

<table>
<thead>
<tr>
<th>Asymmetric Din 1 Profile</th>
<th>Symmetric Din 3 Profile</th>
<th>Cenelec Profile</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>
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<td>17.25</td>
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</tr>
<tr>
<td>2D1K30</td>
<td>2D2K30</td>
<td>2DCK30</td>
<td>27.25</td>
</tr>
</tbody>
</table>

**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.

**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</td>
<td>n/a (internal use only)</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 78. All others for use with enclosures.

**Technical references and CAD downloads available at www.hammondmfg.com**

All dimensions in inches unless specified otherwise
Eclipse Series - NEMA 4X

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>
</tr>
<tr>
<td>EHLPL</td>
<td>Padlockable L Handle</td>
<td>Zinc Plated</td>
<td>12</td>
</tr>
<tr>
<td>EHLPLSS</td>
<td>Padlockable L Handle</td>
<td>316 Stainless</td>
<td>12, 4, 4X</td>
</tr>
<tr>
<td>EHLNLSS</td>
<td>Non Locking L Handle</td>
<td>316 Stainless</td>
<td>12, 4, 4X</td>
</tr>
<tr>
<td>EHLSS</td>
<td>Locking L Handle</td>
<td>316 Stainless</td>
<td>12, 4, 4X</td>
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</table>

Eclipse Mounting Foot Kit

- Maintains UL, CSA and NEMA ratings.
- Field installable.
- New triangular flanges prevent the foot from rotating
- Foot can still be mounted sideways as well as top/bottom
- Available in mild, 304SS and 316SS
- Packaged in quantities of four

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material</th>
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<tbody>
<tr>
<td>EZPMFHD</td>
<td>Clear Zinc Plated, mild steel</td>
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<tr>
<td>ESSMFHD</td>
<td>Type 304 Stainless</td>
</tr>
<tr>
<td>ES16MFHD</td>
<td>Type 316 Stainless</td>
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</table>

Eclipse Padlock Adaptor

- For use with EN4SD Series Enclosures.
- Padlock adaptor fits directly over the slotted quarter turn preventing access.
- 2mm thick 14 guage stainless steel.
- Stainless steel mounting hardware provided
- Once installed, the bolts cannot be removed without the door open.
- Easy installed in the field.
- Padlock not included.
- Maintains UL/CSA Type 4, 4X rating.

<table>
<thead>
<tr>
<th>Part No.</th>
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</thead>
<tbody>
<tr>
<td>EPA</td>
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</table>

Eclipse Rear Mounting Hole Plugs

- Used to plug rear mounting holes for Eclipse series
- Snap in plug designed for rear .50" mounting hole
- Packaged in quantities of 40

<table>
<thead>
<tr>
<th>Part No.</th>
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<tbody>
<tr>
<td>EN4PLUG40</td>
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</table>
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 specific applications where corrosion is a serious problem.

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

Construction
• Formed 14 gauge 304 or 316 stainless 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 excludes flowing liquids and contaminates.
• 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.
• Seamless poured-in place gasket.
• 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 natural stainless steel with a smooth brushed finish.
• Removable inner panel is finished in white powder coating.

Accessories
• Additional inner panels...see page 436
• Air conditioners...see page 349-367
• Blowers...see page 392
• Breather kits...see page 400-401
• Door clamping hardware...see page 429
• Door stop kits...see page 453
• Door support guide...see page 451
• Drip shield kits...see page 451
• Enclosure stabilizers...see page 456
• Filter fans...see page 371-384
• Floor stand kits...see page 453
• Heaters...see page 393-396
• Lock kit...see page 431
• Louvered ventilating plates...see page 402
• Quick release clamp...see page 429
• Terminal kit assemblies...see page 441
• Thermostats...see page 397
• Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com  All dimensions in inches unless specified otherwise
1418 Series Stainless Steel Enclosures - NEMA 4X
Single Door, Continuous Hinge, Clamped Cover

Vertical stiffener required on KK, LL & M only.
Omit center body stiffener if A is less than 41".
Padlocking hasp and staple.
Omit 2 middle studs if A is less than 31".
Omit body stiffeners if A or B is less than 29".
Omit 2 middle studs if B is less than 31".
Omit door stiffener if A or B is less than 31" except if AxB is 42"x30".

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>Mfg.Centers</th>
<th>Ship Wt. lbs.</th>
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<td>20</td>
<td>10</td>
<td>21</td>
<td>17</td>
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<td>25.25</td>
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<td>1418N4SSL10</td>
<td>1418N4S16L10</td>
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<td>24</td>
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<td>31.25</td>
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<td>1418N4S16L16</td>
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<td>1418N4S16T16</td>
<td>60</td>
<td>36</td>
<td>16</td>
<td>57</td>
<td>33</td>
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<td>61.25</td>
<td>280</td>
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</tbody>
</table>

Does not meet JIC requirements

Flat panel

© Hammond Manufacturing
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HN4 Series Stainless Steel Two Door - NEMA 4X
Continuous Hinge, 3pt Handle

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 specific applications where corrosion is a serious problem.

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

Construction
- Formed 12 gauge 304 or 316 stainless steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Doors are supported with heavy gauge continuous hinges.
- 3-pt padlocking door handle.
- Seamless poured-in place gasket.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.
- Center post is removable for easy installation of the inner panel.

Finish
- Cover and enclosure are natural stainless steel with a smooth brushed finish.
- Removable inner panel is finished in white powder coating.

Accessories
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Door stop kits...see page 453
- Drip shield kits...see page 451
- Door support guide...see page 451
- Louvered ventilating plates...see page 402
- Thermostats...see page 397
- Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

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Canada: 519.822.2960 or 905.456.3770 USA: 716.630.7030 Data Subject to change without notice
HN4 Series Stainless Steel Two Door - NEMA 4X
Continuous Hinge, 3pt Handle

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
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 specific applications where corrosion is a serious problem.

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

Construction
- Formed 12 gauge 304 or 316 stainless steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Body stiffeners are provided in the larger enclosures for extra rigidity.
- Heavy duty stainless steel 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.
- Seamless poured-in place gasket.
- 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.

Finish
- Cover and enclosure are natural stainless steel with a smooth brushed finish.
- Removable inner panel is finished in white powder coating.

Accessories
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Door stop kits...see page 453
- Door support guide...see page 451
- Drip shield kits...see page 451
- Louvered ventilating plates...see page 402
- Quick release clamp...see page 429
- Thermostats...see page 397
- Window kits...see page 449
### 1422 Series Stainless Steel Two Door Floor Mount - NEMA 4X

**Continuous Hinge**

#### Technical Specifications

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Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.

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Data Subject to change without notice
1422 Series Stainless Steel Two Door Floor Mount - NEMA 4X
Quarter Turn Latches

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 specific applications where corrosion is a serious problem.

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

Construction
• Formed 12 gauge 304 or 316 stainless steel.
• Smooth, continuously welded seams without knockouts, cutouts or holes.
• Body stiffeners are provided in the larger enclosures for extra rigidity.
• Heavy duty stainless steel 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 quarter turn latches.
• Provision for padlocking.
• 12" floor stands are welded to the enclosure.
• Seamless poured-in place gasket.
• 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.

Finish
• Cover and enclosure are natural stainless steel with a smooth brushed finish.
• Removable inner panel is finished in white powder coating.

Accessories
• Breather kits...see page 400-401
• Door clamping hardware...see page 429
• Door stop kits...see page 453
• Door support guide...see page 451
• Drip shield kits...see page 451
• Louvered ventilating plates...see page 402
• Quick release clamp...see page 429
• Thermostats...see page 397
• Window kits...see page 449

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All dimensions in inches unless specified otherwise
### 1422 Series Stainless Steel Two Door Floor Mount - NEMA 4X

**Quarter Turn Latches**

Technical references and CAD downloads available at www.hammondmfg.com  
All dimensions in inches unless specified otherwise

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**HN4 Series Stainless Steel Two Door Floor Mount - NEMA 4X**

**Continuous Hinge, 3pt Handle**

---

**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 specific applications where corrosion is a serious problem.

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

**Construction**
- Formed 12 gauge 304 or 316 stainless steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Heavy duty stainless steel lifting eyebolts are provided with reinforcing support angles.
- Doors are supported with heavy gauge continuous hinges.
- New 3-pt padlocking door handle.
- Seamless poured-in place gasket.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.
- Center post is removable for easy installation of the inner panel.
- 12” floor stands are welded to the enclosure.

**Finish**
- Cover and enclosure are natural stainless steel with a smooth brushed finish.
- Removable inner panel is finished in white powder coating.

**Accessories**
- Breather kits...see page 400-401
- Door clamping hardware
  ...see page 429
- Door stop kits...see page 453
- Door support guide...see page 451
- Drip shield kits...see page 451
- Louvered ventilating plates
  ...see page 402
- Thermostats...see page 397
- Window kits...see page 449
HN4 Series Stainless Steel Two Door Floor Mount - NEMA 4X
Continuous Hinge, 3pt Handle

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Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
1418 Series Stainless Steel Freestanding Enclosures - NEMA 4X
Single Door

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

Construction
- Formed 12 gauge 304 or 316 stainless steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Heavy duty stainless steel lifting eyebolts are provided with reinforcing support angles.
- Doors are supported with heavy gauge continuous hinges.
- Doors are secured with heavy duty stainless steel clamps and padlocking hasp.
- Seamless poured-in place gasket.
- 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 natural stainless steel with a smooth brushed finish.
- Optional inner panels are finished in white powder paint.

Accessories
- Air conditioners...see page 349-367
- Breather kits...see page 400-401
- Door stop kits...see page 453
- Door support guide...see page 451
- Drip shield kits...see page 451
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Inner panels...see page 107
- Light kit...see page 452
- Panel rails...see page 107
- Swing frames...see page 108
- Thermostats...see page 397
- Window kits...see page 449

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All dimensions in inches unless specified otherwise
1418 Series Stainless Steel Freestanding Enclosures - NEMA 4X
Single Door

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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1418 Series Stainless Steel Freestanding Enclosures - NEMA 4X
Single Door, Quarter Turn Latches

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.

Construction
- Formed 12 gauge 304 or 316 stainless steel.
- Smooth, continuously welded seams without knockouts, cutouts or holes.
- Heavy duty stainless steel lifting eyebolts are provided with reinforcing support angles.
- Doors are supported with heavy gauge continuous hinges.
- Doors are secured with quarter turn latches and padlocking hasp.
- Seamless poured-in place gasket.
- 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 natural stainless steel with a smooth brushed finish.
- Optional inner panels are finished in white powder paint.

Accessories
- Air conditioners...see page 349-367
- Breather kits...see page 400-401
- Door stop kits...see page 453
- Door support guide...see page 451
- Drip shield kits...see page 451
- Filter fans...see page 371-384
- Heaters...see page 399-396
- Inner panels...see page 107
- Light kit...see page 452
- Panel rails...see page 107
- Swing frames...see page 108
- Thermostats...see page 397
- Window kits...see page 449

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### 1418 Series Stainless Steel Freestanding Enclosures - NEMA 4X

**Single Door, Quarter Turn Latches**

#### Technical Data

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#### Diagrams

- **Front View**
- **Section Y-Y**
- **Bottom View**

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All dimensions in inches unless specified otherwise.
HN4 Series Stainless Steel Freestanding Enclosures - NEMA 4X
Single Door, 3pt Handle

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.

Construction
• Formed 12 gauge steel 304 stainless steel.
• Smooth, continuously welded seams without knockouts, cutouts or holes.
• Heavy duty stainless steel lifting eyebolts are provided with reinforcing support angles.
• Doors are supported with heavy gauge continuous hinges.
• New 3-pt padlocking door handle.
• Seamless poured-in place gasket.
• A grounding stud is provided in the enclosure and a bonding stud is provided on the door.
• Mounting channels are welded on the inside of the enclosure for mounting of optional inner panels or rack equipment rails.

Finish
• Cover and enclosure are natural stainless steel with a smooth brushed finish.
• Optional inner panels are finished in white powder paint.

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

Accessories
• Air conditioners...see page 349-367
• Breather kits...see page 400-401
• Door stop kits...see page 453
• Door support guide...see page 451
• Drip shield kits...see page 451
• Filter fans...see page 371-384
• Heaters...see page 393-396
• Inner panels...see page 107
• Light Kit...see page 452
• Panel rails...see page 107
• Swing frames...see page 108
• Thermostats...see page 397
• Window kits...see page 449

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HN4 Series Stainless Steel Freestanding Enclosures - NEMA 4X
Single Door, 3pt Handle

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All dimensions in inches unless specified otherwise
1418 Series Freestanding Enclosures - NEMA 4, 4X

Accessories

Inner Panels
- Formed from 10 gauge or 12 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.
- Half panel can be mounted in the top or bottom half of the enclosure.
- Finished in white.

Single Door Width Panels

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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.

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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.

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.
- Seamless poured-in-place gasket.
- 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.
- Grounding and panel mounting hardware provided

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 436
- Breather kits...see page 400-401
- Filter fans...see page 371-384
- Louvered ventilating plates...see page 402
- Padlocking Adapter...see page 435
- Terminal kit assemblies...see page 441
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- Wing knob lock...see page 435
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Eclipse Junior Series - NEMA 4, 12, 13
Single Door Enclosures

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Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
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.
- Seamless poured-in place gasket.
- 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 on 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 436
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Louvered ventilating plates...see page 402
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Swing panel...see page 440
### 1414 Series Enclosures - NEMA 12, 13
**Clamped, Lift Off Cover**

![Diagram](https://via.placeholder.com/150)

**Front View**

**Side View**

**Bottom View**

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1 Does not meet JIC requirements

Technical references and CAD downloads available at [www.hammondmfg.com](http://www.hammondmfg.com)

All dimensions in inches unless specified otherwise
1414 N4 Series Enclosures - NEMA 4, 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 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.
• Seamless poured-in place gasket.
• 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 on 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 436
• Breather kits...see page 400-401
• Door clamping hardware ...see page 429
• Filter fans...see page 371-384
• Heaters...see page 393-396
• Louvered ventilating plates ...see page 402
• Terminal kit assemblies ...see page 441
• Thermostats...see page 397
• Swing panel...see page 440
### 1414 N4 Series Enclosures - NEMA 4, 12, 13

Clamped, Lift Off Cover

![Diagram of 1414 N4 Series Enclosures]

**Part No.** | **Panel Dimensions** | **Centers** | **Cover Dimensions** | **Ship Wt.** |
--- | --- | --- | --- | --- |
1414N4A | 4.0 | 4.0 | 3.0 | 4.75 | 2.00 | 2.60 | 5.50 | 4.31 | 4.31 | 3.00 | 2 lbs |
1414N4C | 6.0 | 4.0 | 3.0 | 6.75 | 6.75 | 4.88 | 6.88 | 3.00 | 3.00 | 4.00 | 3.00 | 2.50 | 2.60 | 3.10 | 8.31 | 6.31 | 5.00 | 0.25 | 0.63 | 6 lbs |
1414N4E | 6.0 | 6.0 | 4.0 | 6.75 | 6.75 | 4.88 | 4.88 | 3.50 | 3.00 | 3.00 | 4.00 | 4.00 | 3.60 | 7.50 | 6.31 | 6.31 | 5.00 | 0.31 | 0.56 | 6 lbs |
1414N4I | 10.0 | 8.0 | 6.0 | 10.75 | 10.75 | 8.88 | 8.88 | 4.50 | 4.50 | 4.00 | 4.00 | 4.60 | 13.50 | 12.31 | 12.31 | 10.31 | 9.00 | 0.25 | 0.63 | 15 lbs |
1414N4K | 12.0 | 12.0 | 5.0 | 12.75 | 12.75 | 10.88 | 10.88 | 5.50 | 5.50 | 5.00 | 5.00 | 5.60 | 15.50 | 14.31 | 12.31 | 10.31 | 9.00 | 0.25 | 0.63 | 15 lbs |
1414N4M6 | 14.0 | 12.0 | 6.0 | 14.75 | 14.75 | 12.88 | 12.88 | 5.50 | 5.50 | 5.00 | 5.00 | 5.60 | 17.50 | 16.31 | 14.31 | 12.31 | 11.00 | 0.25 | 0.63 | 20 lbs |
1414N4O6 | 16.0 | 14.0 | 6.0 | 16.75 | 16.75 | 14.91 | 14.91 | 5.50 | 5.50 | 5.00 | 5.00 | 5.60 | 19.50 | 18.31 | 16.31 | 14.31 | 12.31 | 11.00 | 0.25 | 0.63 | 26 lbs |
1414N4O8 | 14.0 | 12.0 | 8.0 | 14.75 | 14.75 | 12.88 | 12.88 | 5.50 | 5.50 | 5.00 | 5.00 | 5.60 | 17.50 | 16.31 | 14.31 | 12.31 | 11.00 | 0.25 | 0.63 | 22 lbs |
1414N4O10 | 16.0 | 14.0 | 10.0 | 16.75 | 16.75 | 14.91 | 14.91 | 5.50 | 5.50 | 5.00 | 5.00 | 5.60 | 19.50 | 18.31 | 16.31 | 14.31 | 12.31 | 11.00 | 0.25 | 0.63 | 30 lbs |

1 Panel not included

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
1414 PH Series Enclosures - NEMA 12, 13
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 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.
- Seamless poured-in place gasket.
- 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 436
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Louvered ventilating plates...see page 402
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Swing panel...see page 440
### 1414 PH Series Enclosures - NEMA 12, 13

**Continuous Hinge, Clamped Cover**

![Diagram of Junction Boxes](image)

**View showing clamp location when two clamps are used**

Where A = 8 or more

**View showing clamp location when one clamp is used**

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<th>Part No.</th>
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1 Does not meet JIC requirements

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

Data Subject to change without notice
1414 N4 PH Series Enclosures - NEMA 4, 12, 13
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 marked¹
  - 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.
- Seamless poured-in place gasket.
- 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 436
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Louvered ventilating plates...see page 402
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Swing panel...see page 440

¹ Marked to indicate compliance with JIC EGP-1-1967.
### 1414 N4 PH Series Enclosures - NEMA 4, 12, 13

**Continuous Hinge, Clamped Cover**

#### Front View

![Front View Diagram](image)

#### Cross Section U-U

![Cross Section Diagram](image)

#### Side View

![Side View Diagram](image)

#### Mounting Foot Detail

![Mounting Foot Detail Diagram](image)

#### Ground stud location for 1414N4PHA

![Ground Stud Location Diagram](image)

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<th>G</th>
<th>H</th>
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* Does not meet JIC requirements

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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 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.
- 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 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 436
- Breather kits...see page 400-401
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Louvered ventilating plates...see page 402
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Swing panel...see page 440
# 1414 SC Series Enclosures - NEMA 12, 13

**Lift Off, Screw Cover**

---

### Front View

### Side View

### Bottom View

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¹ Does not meet JIC requirements

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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.
• Cover screws fasten into threaded, sealed wells.
• Oil resistant gaskets are permanently secured.
• 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.

Standard Depth Series (1436)

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¹ Not hinged

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
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
- NEMA Type 12
- JIC EGP-1-1967 unless marked¹
- 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 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 phosphatized and finished in ANSI 61 gray recoatable powder coating.
- Removable inner panel is finished in white powder coating.

Accessibility
- Additional inner panels...see page 436
- Breather kits...see page 400-401
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Louvered ventilating plates...see page 402
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Window kits...see page 449
- Swing panel...see page 440

¹ Marked denotes UL, CSA or other independent agencies, where appropriate.
## 1418J Series - NEMA 12

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1. Does not meet JIC requirements

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All dimensions in inches unless specified otherwise

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Canada: 519.822.2960 or 905.456.3770 USA: 716.630.7030 Data Subject to change without notice
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.

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

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.
- Seamless poured-in place gasket.
- 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 multi-point handle (key lockable) are zinc diecast with black epoxy finish.
- Door alignment guide provided on 36” wide enclosures.

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).

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- DIN rails...see page 30
- DIN rail mounting kit...see page 30
- Door stop kit...see page 453
- Drip shield kit...see page 451
- Filter fans...see page 371-384
- Gland Plates...see page 446
- Heaters...see page 393-396
- Handles...see page 31
- Inner panel...see page 29
- Quarter turn inserts and keys...see page 31
- Literature pocket...see page 456
- Mounting foot kit...see page 31
- Swing frame...see page 30
- Swing panel...see page 29
- Rear Hole Plugs...see page 32
- Replacement hinge pins...see page 29
- Replacement quarter turn assemblies...see page 31
- Thermostats...see page 397
- Touch up paint...see page 455
- UL/CSA approved hardware kit...see page 433
- Padlock Adapter (EPA)...see page 434

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Eclipse Series - NEMA 4, 12
Single Door Enclosures

Refer to part number and dimension chart on next page
## Eclipse Series - NEMA 4, 12
### Single Door Enclosures

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Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
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.

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.
- Seamless poured-in place gasket.
- 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).

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- DIN rails...see page 30
- DIN rail mounting kit...see page 30
- Door stop kit...see page 453
- Drip shield kit...see page 451
- Filter fans...see page 371-384
- Gland Plates...see page 446
- Heaters...see page 393-396
- Handles...see page 31
- Inner panel...see page 29
- Quarter turn inserts and keys...see page 31
- Literature pocket...see page 456
- Mounting foot kit...see page 31
- Swing frame...see page 30
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- Rear Hole Plugs...see page 32
- Replacement hinge pins...see page 29
- Replacement quarter turn assemblies...see page 31
- Thermostats...see page 397
- Touch up paint...see page 455
- UL/CSA approved hardware kit...see page 433
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## Eclipse Series - NEMA 4, 12

Single Window Door Enclosures

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1. All Window Door latch types are quarter turns.
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.

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

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.
- Seamless poured-in place gasket.
- 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.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- DIN rails...see page 30
- DIN rail mounting kit...see page 30
- Door stop kit...see page 453
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- Gland Plates...see page 446
- Heaters...see page 393-396
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Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
## Eclipse Sloped Top Series, NEMA 4, 12
### Single Door Enclosures

![Front View](image1.png)

![Side View](image2.png)

![Back View](image3.png)

### Technical References and CAD Downloads

- Technical references and CAD downloads available at [www.hammondmfg.com](http://www.hammondmfg.com)
- All dimensions in inches unless specified otherwise
Eclipse Series - NEMA 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.

Standards
- UL 508 Type 12, 3R unless marked¹
- CSA Type 12, 3R
- Complies with
  - NEMA 12, 3R
  - IEC 60529, IP54

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.
- Door alignment guides provided on all doors.

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).

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- DIN rails...see page 30
- DIN rail mounting kit...see page 30
- Door stop kit...see page 453
- Drip shield kit...see page 451
- Filter fans...see page 371-384
- Gland Plates...see page 446
- Heaters...see page 393-396
- Handles...see page 31
- Inner panel...see page 29
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- Rear Hole Plugs...see page 32
- Replacement hinge pins...see page 29
- Thermostats...see page 397
- Touch up paint...see page 455
- UL/CSA approved hardware kit...see page 433
- Window kits...see page 449

¹ UL 508 Type 12, 3R unless marked is a commonly used standard for electrical enclosures. It provides guidelines for the design, construction, and testing of enclosures to ensure safety and performance in industrial environments.
### Eclipse Series - NEMA 12
#### Two Door Enclosures

**Front View**

**Side View**

**Mounting Foot Detail**

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<td>EN4TD3048GY</td>
<td>EN4TD30488LG</td>
<td>30 48 8 23.88</td>
<td>3</td>
<td>EP3048</td>
<td>28.2</td>
<td>46.2</td>
</tr>
<tr>
<td>EN4TD244210GY</td>
<td>EN4TD244210LG</td>
<td>24 42 10 20.88</td>
<td>2</td>
<td>EP2442</td>
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<td>40.2</td>
</tr>
<tr>
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<td>EN4TD304210LG</td>
<td>30 42 10 20.88</td>
<td>3</td>
<td>EP3042</td>
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<td>40.2</td>
</tr>
<tr>
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<td>EN4TD304810LG</td>
<td>30 48 10 23.88</td>
<td>3</td>
<td>EP3048</td>
<td>28.2</td>
<td>46.2</td>
</tr>
<tr>
<td>EN4TD306010GY</td>
<td>EN4TD306010LG</td>
<td>30 60 10 29.88</td>
<td>3</td>
<td>EP3060</td>
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<td>58.2</td>
</tr>
<tr>
<td>EN4TD306012GY</td>
<td>EN4TD306012LG</td>
<td>30 60 12 29.88</td>
<td>3</td>
<td>EP3060</td>
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<td>58.2</td>
</tr>
<tr>
<td>EN4TD364212GY</td>
<td>EN4TD364212LG</td>
<td>36 42 12 20.88</td>
<td>3</td>
<td>EP3642</td>
<td>34.2</td>
<td>42.2</td>
</tr>
<tr>
<td>EN4TD364812GY</td>
<td>EN4TD364812LG</td>
<td>36 48 12 23.88</td>
<td>3</td>
<td>EP3648</td>
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</tr>
<tr>
<td>EN4TD366012GY</td>
<td>EN4TD366012LG</td>
<td>36 60 12 29.88</td>
<td>3</td>
<td>EP3660</td>
<td>34.2</td>
<td>58.2</td>
</tr>
<tr>
<td>EN4TD484812GY</td>
<td>EN4TD484812LG</td>
<td>48 48 12 23.88</td>
<td>4</td>
<td>EP4848</td>
<td>46.2</td>
<td>46.2</td>
</tr>
</tbody>
</table>

1 Approved to CSA/CSAus Type 12, 3R only

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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.

<table>
<thead>
<tr>
<th>Mild Steel</th>
<th>Galvanized</th>
<th>Size (A x B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No.</td>
<td>Part No.</td>
<td>D</td>
</tr>
<tr>
<td>EP1212</td>
<td>EPG1212</td>
<td>10.2</td>
</tr>
<tr>
<td>EP1224</td>
<td>EPG1224</td>
<td>10.2</td>
</tr>
<tr>
<td>EP1612</td>
<td>EPG1612</td>
<td>14.2</td>
</tr>
<tr>
<td>EP1616</td>
<td>EPG1616</td>
<td>14.2</td>
</tr>
<tr>
<td>EP1620</td>
<td>EPG1620</td>
<td>14.2</td>
</tr>
<tr>
<td>EP2012</td>
<td>EPG2012</td>
<td>18.2</td>
</tr>
<tr>
<td>EP2016</td>
<td>EPG2016</td>
<td>18.2</td>
</tr>
<tr>
<td>EP2020</td>
<td>EPG2020</td>
<td>18.2</td>
</tr>
<tr>
<td>EP2412</td>
<td>EPG2412</td>
<td>22.2</td>
</tr>
<tr>
<td>EP2416</td>
<td>EPG2416</td>
<td>22.2</td>
</tr>
<tr>
<td>EP2420</td>
<td>EPG2420</td>
<td>22.2</td>
</tr>
<tr>
<td>EP2424</td>
<td>EPG2424</td>
<td>22.2</td>
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<td>28.2</td>
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<td>EP3016</td>
<td>EPG3016</td>
<td>28.2</td>
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<tr>
<td>EP3020</td>
<td>EPG3020</td>
<td>28.2</td>
</tr>
<tr>
<td>EP3024</td>
<td>EPG3024</td>
<td>28.2</td>
</tr>
<tr>
<td>EP3030</td>
<td>EPG3030</td>
<td>28.2</td>
</tr>
<tr>
<td>EP3624</td>
<td>EPG3624</td>
<td>34.2</td>
</tr>
<tr>
<td>EP3630</td>
<td>EPG3630</td>
<td>34.2</td>
</tr>
<tr>
<td>EP3636</td>
<td>EPG3636</td>
<td>34.2</td>
</tr>
<tr>
<td>EP3642</td>
<td>EPG3642</td>
<td>34.2</td>
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<td>EP3648</td>
<td>EPG3648</td>
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<td>EP3660</td>
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<td>EP4224</td>
<td>EPG4224</td>
<td>40.2</td>
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<tr>
<td>EP4230</td>
<td>EPG4230</td>
<td>40.2</td>
</tr>
<tr>
<td>EP4236</td>
<td>EPG4236</td>
<td>40.2</td>
</tr>
<tr>
<td>EP4824</td>
<td>EPG4824</td>
<td>46.2</td>
</tr>
<tr>
<td>EP4830</td>
<td>EPG4830</td>
<td>46.2</td>
</tr>
<tr>
<td>EP4836</td>
<td>EPG4836</td>
<td>46.2</td>
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<tr>
<td>EP4848</td>
<td>EPG4848</td>
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<td>58.2</td>
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<tr>
<td>EP7230</td>
<td>EPG7230</td>
<td>70.2</td>
</tr>
<tr>
<td>EP7236</td>
<td>EPG7236</td>
<td>70.2</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 31) 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>
</tr>
<tr>
<td>ESP1616</td>
<td>16 x 16</td>
</tr>
<tr>
<td>ESP1620</td>
<td>16 x 20</td>
</tr>
<tr>
<td>ESP2016</td>
<td>20 x 16</td>
</tr>
<tr>
<td>ESP2020</td>
<td>20 x 20</td>
</tr>
<tr>
<td>ESP2024</td>
<td>20 x 24</td>
</tr>
<tr>
<td>ESP2416</td>
<td>24 x 16</td>
</tr>
<tr>
<td>ESP2420</td>
<td>24 x 20</td>
</tr>
<tr>
<td>ESP2424</td>
<td>24 x 24</td>
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<td>ESP3020</td>
<td>30 x 20</td>
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<td>ESP3024</td>
<td>30 x 24</td>
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<tr>
<td>ESP3030</td>
<td>30 x 30</td>
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<tr>
<td>ESP3624</td>
<td>36 x 24</td>
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<td>ESP3630</td>
<td>36 x 30</td>
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<tr>
<td>ESP4236</td>
<td>42 X 36</td>
</tr>
<tr>
<td>ESP4824</td>
<td>48 X 24</td>
</tr>
<tr>
<td>ESP4836</td>
<td>48 X 36</td>
</tr>
<tr>
<td>ESP6036</td>
<td>60 X 36</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>
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 31) provides added security.
- Complete with 4-6" depth adjustment channels.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Enclosure Size (A x B)</th>
<th>Rack Spacing Width (Units)</th>
<th>Height (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESF2424</td>
<td>24 x 24</td>
<td>19</td>
<td>11</td>
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<tr>
<td>ESF3024</td>
<td>30 x 24</td>
<td>19</td>
<td>14</td>
</tr>
<tr>
<td>ESF3624</td>
<td>36 x 24</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.

<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>
</tr>
<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.

<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

Technical references and CAD downloads available at www.hammondmfg.com

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Eclipse Series- NEMA 4, 12
Accessories

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 screwdrivers 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>12, 4</td>
</tr>
<tr>
<td>2SQK7</td>
<td>7mm square key, fits 2SQI7</td>
<td>Stainless Steel</td>
<td>12, 4</td>
</tr>
<tr>
<td>2TRI7</td>
<td>7mm triangle insert, black</td>
<td>Zinc Die/Black</td>
<td>12, 4</td>
</tr>
<tr>
<td>2TRK7</td>
<td>7mm triangle key, fits 2TRI7</td>
<td>Stainless Steel</td>
<td>12, 4</td>
</tr>
<tr>
<td>2SLI</td>
<td>Slotted insert, black</td>
<td>Zinc Die/Black</td>
<td>12, 4</td>
</tr>
</tbody>
</table>

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>EQTRL1</td>
<td>Locking Qtr Turn</td>
<td>Zinc Die/Chrome</td>
<td>n/a (internal use only)</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>

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>
</tr>
<tr>
<td>EHLPL</td>
<td>Padlockable L Handle</td>
<td>Zinc Plated</td>
<td>12</td>
</tr>
<tr>
<td>EHLPLSS</td>
<td>Padlockable L Handle</td>
<td>316 Stainless Steel</td>
<td>12, 4, 4X</td>
</tr>
<tr>
<td>EHLNLSS</td>
<td>Non Locking L Handle</td>
<td>316 Stainless Steel</td>
<td>12, 4, 4X</td>
</tr>
<tr>
<td>EHLSS</td>
<td>Locking L Handle</td>
<td>316 Stainless Steel</td>
<td>12, 4, 4X</td>
</tr>
</tbody>
</table>

Eclipse Mounting Foot Kit
- Maintains UL, CSA and NEMA ratings.
- Field installable.
- New triangular flanges prevent the foot from rotating.
- Foot can still be mounted sideways as well as top/bottom.
- Available in mild, 304SS and 316SS.
- Packaged in quantities of four.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZPMFHD</td>
<td>Clear Zinc Plated, mild steel</td>
</tr>
<tr>
<td>ESSMFHD</td>
<td>Type 304 Stainless</td>
</tr>
<tr>
<td>ES16MFHD</td>
<td>Type 316 Stainless</td>
</tr>
</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Eclipse Rear Mounting Hole Plugs

- Used to plug rear mounting holes for Eclipse series
- Snap in plug designed for rear .50” mounting hole
- Packaged in quantities of 40

Part No. EN4PLUG40
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 gray 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

**Accessories**
- Additional inner panels...see page 436
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Door stop kit...see page 453
- Drip shield kits...see page 451
- Enclosure stabilizers...see page 456
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Gland Plates...see page 446
- Heaters...see page 393-396
- Lock kit...see page 431
- Louvered ventilating plates...see page 402
- Quick release clamp...see page 429
- Swing Panels...see page 440
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Window kits...see page 449

---

**Part No.** | **Panel Size** | **Centers** | **Ship Wt. lbs**
---|---|---|---
1418A62 | 12 24 6 | 9 21 | 18.0 13.25 34
1418B62 | 16 12 6 | 13 9 | 9.5 17.25 26
1418G62 | 16 24 6 | 13 13 | 10.0 17.25 32
1418CR62 | 16 20 6 | 13 17 | 14.0 17.25 38
1418CA62 | 20 16 6 | 12 9 | 9.5 21.25 32
1418C62 | 20 16 6 | 17 13 | 10.0 21.25 38
1418D62 | 20 20 6 | 17 17 | 14.0 21.25 48
1418ER62 | 20 24 6 | 17 21 | 18.0 21.25 54
1418AR62 | 24 12 6 | 21 9 | 9.5 25.25 46
1418AH6 | 24 16 6 | 21 13 | 10.0 25.25 46
1418AE6 | 24 20 6 | 21 17 | 14.0 25.25 54
1418AJ6 | 24 24 6 | 21 21 | 18.0 25.25 62
1418FG6 | 30 16 6 | 27 13 | 10.0 31.25 56
1418F6 | 30 20 6 | 27 17 | 14.0 31.25 66
1418K6 | 30 24 6 | 27 21 | 18.0 31.25 76
1418L8 | 36 24 6 | 33 21 | 18.0 37.25 91
1418M6 | 36 30 6 | 33 27 | 24.0 37.25 114
1418AR8 | 12 24 8 | 9 21 | 18.0 31.25 38
1418BB8 | 16 12 8 | 13 9 | 9.5 17.25 28
1418GB8 | 16 18 8 | 13 13 | 10.0 17.25 34
1418CR8 | 16 20 8 | 13 17 | 14.0 21.25 43
1418CA8 | 20 12 8 | 17 9 | 9.5 21.25 35
1418C8 | 20 16 8 | 17 13 | 10.0 21.25 40
1418BD8 | 20 20 8 | 17 17 | 14.0 21.25 48

1Does not meet JIC requirements
2Flat Panel not meet JIC

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

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All dimensions in inches unless specified otherwise

Part No. Panel Size Centers Ship Wt. lbs

1418D102 20 20 10 17 17 14.0 21.25 52
1418AR102 24 12 10 21 9 9.5 25.25 42
1418E10 24 20 10 21 17 14.0 25.25 64
1418J10 24 24 12 21 21 18.0 25.25 73
1418F10 30 20 10 27 17 14.0 31.25 76
1418K10 30 24 12 27 21 18.0 31.25 86
1418L10 36 24 10 33 21 18.0 37.25 105
1418M10 36 30 10 33 27 24.0 37.25 124
1418O10 42 30 10 39 27 24.0 43.25 140
1418P10 42 36 10 39 33 30.0 43.25 192
1418R10 48 30 10 45 27 24.0 49.25 162
1418S10 48 36 10 45 33 30.0 49.25 208
1418T10 54 36 10 51 33 36.0 55.25 258
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1418E12 24 20 12 21 17 14.0 25.25 68
1418J12 24 24 12 21 21 18.0 25.25 76
1418K12 30 24 12 27 21 18.0 31.25 90
1418L12 36 24 12 33 21 18.0 37.25 108
1418M12 36 30 12 33 27 24.0 37.25 132
1418O121 42 30 12 39 27 24.0 43.25 156
1418P121 42 36 12 39 33 30.0 43.25 210
1418S121 48 30 12 45 27 24.0 49.25 198
1418T121 48 36 12 45 33 30.0 49.25 252
1418U121 54 30 12 51 27 24.0 55.25 290
1418K16 30 24 16 27 21 18.0 31.25 102
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1418P161 42 30 16 39 27 24.0 43.25 214
1418S161 48 30 16 45 27 24.0 49.25 238
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1418M20 36 30 20 33 27 24.0 37.25 152
1418S201 48 30 20 45 27 30.0 49.25 256
1418T20 54 36 20 57 27 24.0 55.25 308
1418U201 60 30 20 69 27 24.0 73.25 340
1418K24 30 24 24 27 21 18.0 31.25 142
1418U241 60 30 24 69 27 24.0 73.25 332

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

© Hammond Manufacturing
Canada: 519.822.2960 or 905.456.3770 USA: 716.630.7030 Data Subject to change without notice
**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 marked¹
  - 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.
- Seamless poured-in place gasket.
- 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 436
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Door clamping hardware...see page 429
- Door stop kit...see page 453
- Drip shield kits...see page 451
- Enclosure stabilizers...see page 456
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Gland Plates...see page 446
- Heaters...see page 393-396
- Lock kit...see page 431
- Louvered ventilating plates...see page 402
- Quick release clamp...see page 429
- Swing Panels...see page 440
- Terminal kit assemblies...see page 441
- Thermostats...see page 397
- Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.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. Vertical stiffener required on KK and M only.
2. Omit center body stiffener if A is less than 41”.
3. Padlocking hasp and staple.
4. Omit 2 middle studs if A is less than 31”.
5. Omit body stiffeners if A or B is less than 29”.
6. Omit 2 middle studs if B is less than 31”.
7. Omit door stiffener if A or B is less than 31” except if AxB is 42”x30” or 48”x30”.

When A= M= 30 7.00
36 9.00
42 9.88
48 11.38
60 14.38

Literature pocket supplied loose. Number of door clamps varies to enclosure size.

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
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 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Door stop kit...see page 453
- Drip shield kits...see page 451
- Enclosure stabilizers...see page 456
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Gland Plates...see page 446
- Heaters...see page 393-396
- Light kit...see page 452
- Louvered ventilating plates...see page 402
- Thermostats...see page 397
- Window kits...see page 449

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

Continuous Hinge

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#### Technical References and CAD Downloads

Technical references and CAD downloads available at [www.hammondmfg.com](http://www.hammondmfg.com)

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#### Table: Part Numbers and Specifications

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#### Diagrams

- **Front View**
- **Side View**
- **Section Y-Y**
- **Stiffener Layout**
- **Section A-A**
- **Section Z-Z**

All dimensions in inches unless specified otherwise.
1422 Series Two Door Floormount 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 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.)

Construction...Cont’d
• Welded brackets provide for enclosure mounting (w/o feet Part No.)
• 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.
• Provision for light kit mounting.
• 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 349-367
• Blowers...see page 392
• Breather kits...see page 400-401
• Door stop kit...see page 453
• Drip shield kits...see page 451
• Enclosure stabilizers...see page 456
• Filter fans...see page 371-384
• Floor stand kits...see page 453
• Gland Plates...see page 446
• Heaters...see page 393-396
• Inner Panels...see page 437
• Light kit...see page 452
• Louvered ventilating plates ...see page 402
• Thermostats...see page 397
• Window kits...see page 449

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

**Continuous Hinge**

### Technical Details

**Part No.** | **With Feet** | **Without Feet** | **Body Gauge** | **Panel Gauge** | **Panel Size** | **Wt. lbs.** | **Ship Wt. lbs.**
--- | --- | --- | --- | --- | --- | --- | ---
1422A8F | 1422A8 | 54.13 | 42.06 | 8.69 | 14 | 12 | 50 | 38 | 4.03 | 52.25 | 20.13 | 8.96 | 275
1422B8F | 1422B8 | 60.13 | 48.06 | 8.69 | 12 | 10 | 56 | 44 | 4.03 | 58.25 | 23.13 | 7.96 | 450
1422B10F | 1422B10 | 60.13 | 48.06 | 10.69 | 12 | 10 | 56 | 44 | 5.03 | 58.25 | 23.13 | 9.96 | 475
1422D10F | 1422D10 | 60.13 | 60.06 | 10.69 | 12 | 10 | 56 | 56 | 5.03 | 58.25 | 29.13 | 9.96 | 550
1422E10F | 1422E10 | 72.13 | 60.06 | 10.69 | 12 | 10 | 68 | 56 | 5.03 | 70.25 | 29.13 | 9.96 | 625
1422F10F | 1422F10 | 72.13 | 72.06 | 10.69 | 12 | 10 | 68 | 68 | 5.03 | 70.25 | 35.13 | 9.96 | 740
1422B12F | 1422B12 | 60.13 | 48.06 | 12.69 | 12 | 10 | 56 | 44 | 5.03 | 58.25 | 23.13 | 11.96 | 491
1422D12F | 1422D12 | 60.13 | 60.06 | 12.69 | 12 | 10 | 56 | 56 | 5.03 | 58.25 | 29.13 | 11.96 | 567
1422E12F | 1422E12 | 72.13 | 60.06 | 12.69 | 12 | 10 | 68 | 56 | 5.03 | 70.25 | 29.13 | 11.96 | 645
1422F12F | 1422F12 | 72.13 | 72.06 | 12.69 | 12 | 10 | 68 | 68 | 5.03 | 70.25 | 35.13 | 11.96 | 750
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1422E16F | 1422E16 | 72.13 | 60.06 | 16.69 | 12 | 10 | 68 | 56 | 8.03 | 70.25 | 29.13 | 15.96 | 740
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1422D20F | 1422D20 | 60.13 | 60.06 | 20.69 | 12 | 10 | 56 | 56 | 10.03 | 58.25 | 29.13 | 19.96 | 750
1422E20F | 1422E20 | 72.13 | 60.06 | 20.69 | 12 | 10 | 68 | 56 | 10.03 | 70.25 | 29.13 | 19.96 | 885
1422F20F | 1422F20 | 72.13 | 72.06 | 20.69 | 12 | 10 | 68 | 68 | 10.03 | 70.25 | 35.13 | 19.96 | 945

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.

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Canada: 519.822.2960 or 905.456.3770
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.
• Seamless poured-in place gasket.
• Provision for light kit mounting.
• 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 349-367
• Blowers...see page 392
• Breather kits...see page 400-401
• Door stop kit...see page 453
• Drip shield kits...see page 451
• Enclosure stabilizers...see page 456
• Filter fans...see page 371-384
• Floor stand kits...see page 453
• Gland Plates...see page 446
• Heaters...see page 393-396
• Inner Panels...see page 437
• Light kit...see page 452
• Louvered ventilating plates...see page 402
• Thermostats...see page 397
• Window kits...see page 449
1422 Series Two Door Floormount Enclosures - NEMA 4  
Continuous Hinge, Clamped Doors

Technical references and CAD downloads available at www.hammondmfg.com  
All dimensions in inches unless specified otherwise
1422 Series Two Door Floormount Enclosures - NEMA 4
Continuous Hinge, Quarter Turn Latches

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 quarter turn latches.
- Provision for padlocking.
- 12” floor stands are welded to the enclosure.
- Seamless poured-in place gasket.
- Provision for light kit mounting.
- 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 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Door stop kit...see page 453
- Drip shield kits...see page 451
- Enclosure stabilizers...see page 456
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Gland Plates...see page 446
- Heaters...see page 393-396
- Inner Panels...see page 437
- Light kit...see page 452
- Louvered ventilating plates...see page 402
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- Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com

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

Continuous Hinge, Quarter Turn Latches

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Technical references and CAD downloads available at [www.hammondmfg.com](http://www.hammondmfg.com)

All dimensions in inches unless specified otherwise.
HN4 Series Two Door Floormount Enclosures - NEMA 4
Continuous Hinge, 3pt Handle

**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
  - IEC 60529, IP66

**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.
- 3-pt padlocking door handle.
- Seamless poured-in place gasket.
- Provision for light kit mounting.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.
- Center post is removable for easy installation of the inner panel.
- 12" floor stands are welded to the enclosure.
- Body stiffeners are provided in the larger enclosures for extra rigidity.
- Formed lip on door and top of enclosure opening exclude flowing liquids and contaminants.
- 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 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 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Door stop kit...see page 453
- Drip shield kits...see page 451
- Enclosure stabilizers...see page 456
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Gland Plates...see page 446
- Heaters...see page 393-396
- Inner Panels...see page 437
- Light kit...see page 452
- Louvered ventilating plates...see page 402
- Thermostats...see page 397
- Window kits...see page 449
HN4 Series Two Door Floormount Enclosures - NEMA 4
Continuous Hinge, 3pt Handle

Technical references and CAD downloads available at www.hammondmfg.com
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.
• Provision for light kit mounting.
• 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 available in white powder coating.

Accessories
• Air conditioners...see page 349-367
• Blow...see page 392
• Breather kits...see page 400-401
• Door stop kit...see page 453
• Drip shield kits...see page 451
• Filter fans...see page 371-384
• Floor stand kits...see page 453
• Gland Plates...see page 446
• Heaters...see page 393-396
• Inner Panels...see page 57
• Light kit...see page 452
• Louvered ventilating plates...see page 402
• Swing frame...see page 58
• Thermostats...see page 397
• Window kits...see page 449
# 1418 Series Single Door Freestanding Enclosures - NEMA 12

**Single Access**

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1 Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available...see page 57.

**Dual Access**

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1 Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available...see page 57.

## Maximum Useable Depth

**Single Access only**

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

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
1418 N4 Series Freestanding Enclosures - NEMA 4
Single Door

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, IP66

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.
• Seamless poured-in place gasket.
• Provision for light kit mounting.
• 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.
• Optional inner panels are available in white powder coating, or unpainted galvanized steel.

Accessories
• Air conditioners...see page 349-367
• Blowers...see page 392
• Breather kits...see page 400-401
• Door stop kit...see page 453
• Drip shield kits...see page 451
• Filter fans...see page 371-384
• Gland Plates...see page 446
• Heaters...see page 393-396
• Inner Panels...see page 57
• Light kit...see page 452
• Panel rails...see page 58
• Swing frame...see page 58
• Thermostats...see page 397
• Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
1418 N4 Series Freestanding Enclosures - NEMA 4
Single Door

Top Lip Detail

Strut Detail - Right Side

Front View

Section Y-Y

Bottom View

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* Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available.
1418 N4 Series Freestanding Enclosures - NEMA 4
Single Door with Quarter Turn Latches

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, IP66

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 quarter turn latches.
- Seamless poured-in place gasket.
- Provision for light kit mounting.
- 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.
- Optional inner panels are available in white powder coating, or unpainted galvanized steel.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Door stop kit...see page 453
- Drip shield kits...see page 451
- Filter fans...see page 371-384
- Gland Plates...see page 446
- Heaters...see page 393-396
- Inner Panels...see page 57
- Light kit...see page 452
- Panel rails...see page 58
- Swing frame...see page 58
- Thermostats...see page 397
- Window kits...see page 449
1418 N4 Series Freestanding Enclosures - NEMA 4
Single Door with Quarter Turn Latches

Freestanding Enclosures

1418 N4 Series Freestanding Enclosures - NEMA 4
Single Door with Quarter Turn Latches

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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Canada: 519.822.2960 or 905.456.3770
USA: 716.630.7030
Data Subject to change without notice

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HN4 Series Freestanding Enclosures - NEMA 4
Single Door w/ 3pt Handle

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, IP66

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.
- New 3-pt padlocking door handle.
- Seamless poured-in place gasket.
- Provision for light kit mounting.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.
- Mounting channels are welded on the inside of the enclosure for mounting of optional inner panels or rack equipment rails.

Finish
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating.
- Optional inner panels are available in white powder coating, or unpainted galvanized steel.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Door stop kit...see page 453
- Drip shield kits...see page 451
- Filter fans...see page 371-384
- Gland Plates...see page 446
- Heaters...see page 393-396
- Inner Panels...see page 57
- Light kit...see page 452
- Panel rails...see page 58
- Swing frame...see page 58
- Thermostats...see page 397
- Window kits...see page 449
HN4 Series Freestanding Enclosures - NEMA 4
Single Door w/ 3pt Handle

Front View

Section Y-Y

Bottom View

Strut Detail - Right Side

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Optional Full Panel¹</th>
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¹ Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available.
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, IP54

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.
- Provision for light kit mounting.
- 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 available in white powder coating.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Center panel support...see page 57
- Door stop kit...see page 453
- Drip shield kits...see page 451
- Enclosure stabilizers...see page 456
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Gland Plates...see page 446
- Heaters...see page 393-396
- Inner Panels...see page 57
- Light kit...see page 452
- Louvered ventilating plates...see page 402
- Thermostats...see page 397
- Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com

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

Single Access

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<tr>
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</table>

1 Refers to Optional Full Height/Full Width Panels. Depth Panels & Half Height Width panels are also available...see page 57.

Note: 4 eyebolts are provided for 36.06" deep enclosures (both dual and single access)
1418 Series Freestanding Enclosures - NEMA 4, 12

Accessories

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.

Depth Panels

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<th>Part No.</th>
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<td>26</td>
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Side Mounted Panels for Single and Double Door Enclosures

Double Door Width Panels

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<th>Part No.</th>
<th>Galv. Steel</th>
<th>Steel Part No.</th>
<th>Description</th>
<th>Enclosure</th>
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<tr>
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<td>90YWHW</td>
<td>90YFW</td>
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Single Door Width Panels

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<th>Galv. Steel Part No.</th>
<th>Description</th>
<th>Enclosure</th>
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<td>Full Panel</td>
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<td>90YFW</td>
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<td>78.00 x 32</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.

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

Bottom View

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
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 57.
- 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>
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<th>Panel Height</th>
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<th>V</th>
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</table>

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 CAD downloads available at www.hammondmfg.com All dimensions in inches unless specified otherwise...
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.
- 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 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Door stop kit...see page 453
- Filter fans...see page 371-384
- Gland Plates...see page 446
- Heaters...see page 393-396
- Light kit...see page 452
- Louvered ventilating plates...see page 402
- Thermostats...see page 397
- Window kits...see page 449

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<th>Part No.</th>
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<th>Ship Wt. lbs.</th>
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</tbody>
</table>

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1422 MD Series Multiple Door Enclosures - NEMA 12
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