




















Industrial Enclosures

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Eclipse Junior Series - NEMA 12, 13, 4

Single Door Enclosures

Industrial Enclosures

Junction Boxes



**Inner
Panel
Included**



Application

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

Standards

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

Construction

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

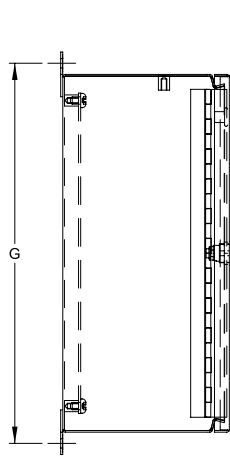
Finish

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

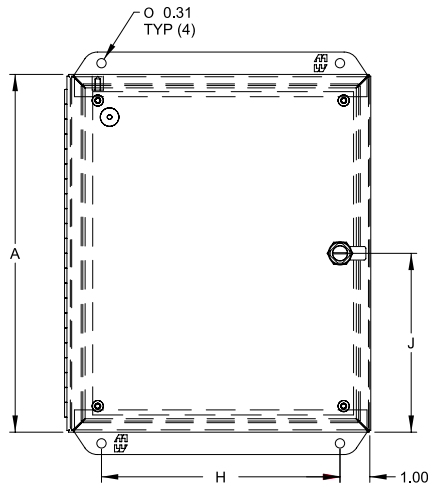
Accessories

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

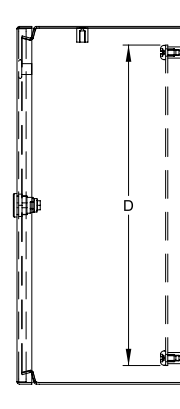
Eclipse Junior Series - NEMA 12, 13, 4 Single Door Enclosures



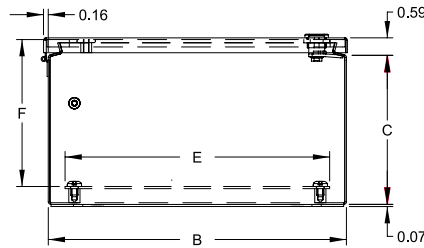
Hinge Side View



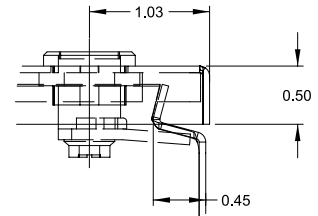
Front View



Latch Side View



End View



Quarter Turn Latch

Part No.	Overall Dimensions				Panel Size					Ship Wt. lbs.
	A	B	C	H	G	D	E	J	F	
EJ443	4.00	4.00	3.00	2.00	4.75	—	—	2.00	—	2
EJ643	6.00	4.00	3.00	2.00	6.75	4.88	2.88	3.00	2.92	2
EJ683	6.00	8.00	3.50	6.00	6.75	4.88	6.75	3.00	3.42	5
EJ863	8.00	6.00	3.50	4.00	8.75	6.75	4.88	4.00	3.42	5
EJ444	4.00	4.00	4.00	2.00	4.75	—	—	2.00	—	3
EJ644	6.00	4.00	4.00	2.00	6.75	4.88	2.88	3.00	3.92	3
EJ664	6.00	6.00	4.00	4.00	6.75	4.88	4.88	3.00	3.92	4
EJ884	8.00	8.00	4.00	6.00	8.75	6.75	6.88	4.00	3.92	7
EJ8104	8.00	10.00	4.00	8.00	8.75	6.88	8.75	4.00	3.92	8
EJ1084	10.00	8.00	4.00	6.00	10.75	8.75	6.88	5.00	3.92	8
EJ1264	12.00	6.00	4.00	4.00	12.75	10.75	4.88	6.00	3.92	8
EJ10125	10.00	12.00	5.00	10.00	10.75	8.88	10.75	5.00	4.92	10
EJ12105	12.00	10.00	5.00	8.00	12.75	10.75	8.88	6.00	4.92	12
EJ866	8.00	6.00	6.00	4.00	8.75	6.75	4.88	4.00	5.92	7
EJ1086	10.00	8.00	6.00	6.00	10.75	8.75	6.88	5.00	5.92	10
EJ10106	10.00	10.00	6.00	8.00	10.75	8.75	8.88	5.00	5.92	12
EJ12126	12.00	12.00	6.00	10.00	12.75	10.75	10.88	6.00	5.92	15
EJ12146	12.00	14.00	6.00	12.00	12.75	10.88	12.75	6.00	5.92	17
EJ1486	14.00	8.00	6.00	6.00	14.75	12.75	6.88	7.00	5.92	10
EJ14126	14.00	12.00	6.00	10.00	14.75	12.75	10.88	7.00	5.92	17
EJ14166	14.00	16.00	6.00	14.00	14.75	12.88	14.75	7.00	5.92	21
EJ16106	16.00	10.00	6.00	8.00	16.75	14.75	8.88	8.00	5.92	15
EJ16146	16.00	14.00	6.00	12.00	16.75	14.75	12.88	8.00	5.92	21
EJ12108	12.00	10.00	8.00	8.00	12.75	10.75	8.88	6.00	7.92	15
EJ14128	14.00	12.00	8.00	10.00	14.75	12.75	10.88	7.00	7.92	18
EJ16148	16.00	14.00	8.00	12.00	16.75	14.75	12.88	8.00	7.92	22
EJ161410	16.00	14.00	10.00	12.00	16.75	14.75	12.88	8.00	9.92	23

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

All dimensions in inches unless specified otherwise

Quality Enclosures. Service Excellence.

1414 Series Enclosures - NEMA 12, 13

Clamped, Lift Off Cover

Industrial Enclosures

Junction Boxes



**Inner
Panel
Included**



Application

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

Standards

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

Construction

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

Finish

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

Accessories

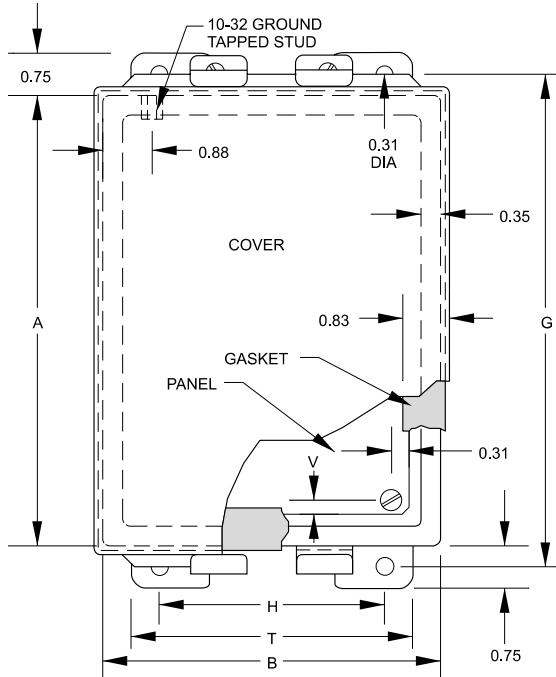
- Additional inner panels...see page **433**
- Breather kits...see page **423**
- Door clamping hardware...see page **427**
- Filter fans...see page **408-413**
- Heaters...see page **418-420**
- Louvered ventilating plates...see page **450**
- Terminal kit assemblies...see page **436**
- Thermostats...see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

1414 Series Enclosures - NEMA 12, 13

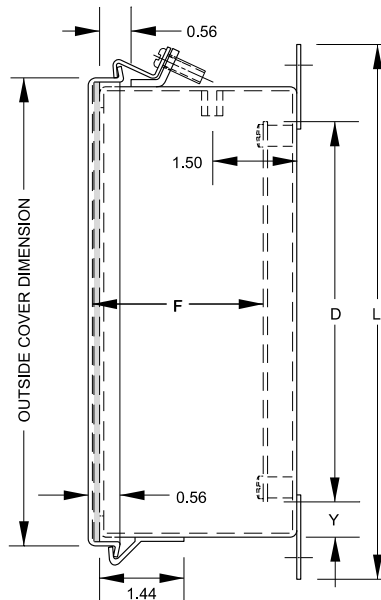
Clamped, Lift Off Cover

Industrial Enclosures

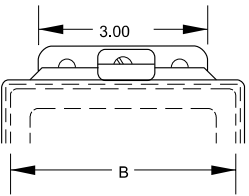
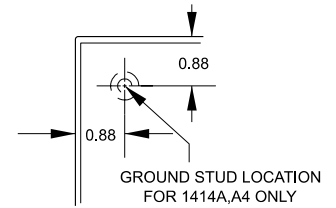
Junction Boxes



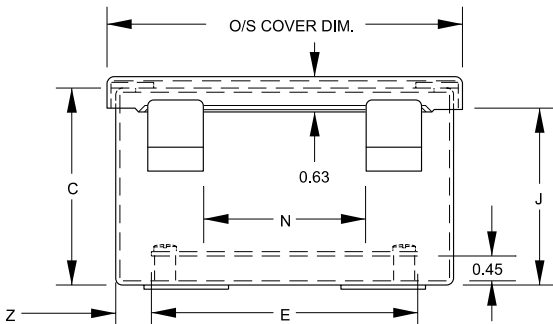
Front View



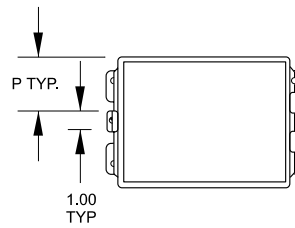
Side View



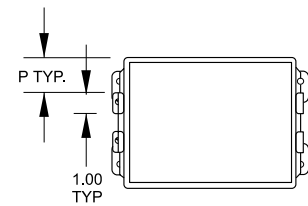
Mounting Foot Detail When B=4



Bottom View



View showing clamp location when one clamp is used



View showing clamp location when two clamps are used (where B=8 or more)

Part No.	Dimensions			Panel Size		Centers					Cover					Ship Wt. Lbs.			
	A	B	C	D	E	F	G	H	J	L	N	Dimensions	P	T	V		Y	Z	
1414A ¹	4.0	4.0	3.0	—	—	—	4.75	2.00	2.64	5.50	1.31	4.31	4.31	1.50	3.00	—	—	—	2
1414C ¹	6.0	4.0	3.0	4.88	2.88	2.51	6.75	2.00	2.64	7.50	1.31	6.31	4.31	1.50	3.00	0.31	0.56	0.56	3
1414G	8.0	6.0	3.5	6.75	4.88	3.01	8.75	4.00	3.14	9.50	2.88	8.31	6.31	2.50	5.00	0.25	0.63	0.56	7
1414A4 ¹	4.0	4.0	4.0	—	—	—	4.75	2.00	3.64	5.50	1.31	4.31	4.31	1.50	3.00	—	—	—	3
1414C4 ¹	6.0	4.0	4.0	4.88	2.88	3.51	6.75	2.00	3.64	7.50	1.31	6.31	4.31	1.50	3.00	0.31	0.56	0.56	4
1414E	6.0	6.0	4.0	4.88	4.88	3.51	6.75	4.00	3.64	7.50	2.88	6.31	6.31	2.50	5.00	0.31	0.56	0.56	5
1414I	10.0	8.0	4.0	8.75	6.88	3.51	10.75	6.00	3.64	11.50	4.00	10.31	8.31	1.00	7.00	0.25	0.63	0.56	10
1414K	12.0	10.0	5.0	10.75	8.88	4.51	12.75	8.00	4.64	13.50	6.00	12.31	10.31	1.00	9.00	0.25	0.63	0.56	13
1414M6	14.0	12.0	6.0	12.75	10.88	5.51	14.75	10.00	5.64	15.50	8.00	14.31	12.31	1.00	11.00	0.25	0.63	0.56	19
1414O6	16.0	14.0	6.0	14.75	12.88	5.51	16.75	12.00	5.64	17.50	10.00	16.31	14.31	1.00	13.00	0.25	0.63	0.56	23
1414M8	14.0	12.0	8.0	12.75	10.88	7.51	14.75	10.00	7.64	15.50	8.00	14.31	12.31	1.00	11.00	0.25	0.63	0.56	20
1414O10	16.0	14.0	10.0	14.75	12.88	9.51	16.75	12.00	9.64	17.50	10.00	16.31	14.31	1.00	13.00	0.25	0.63	0.56	25

¹ Does not meet JIC requirements

1414 N4 Series Enclosures - NEMA 12, 13, 4

Clamped, Lift Off Cover

Industrial Enclosures



**Inner
Panel
Included**



Junction Boxes

Application

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

Standards

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

Construction

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

Finish

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

Accessories

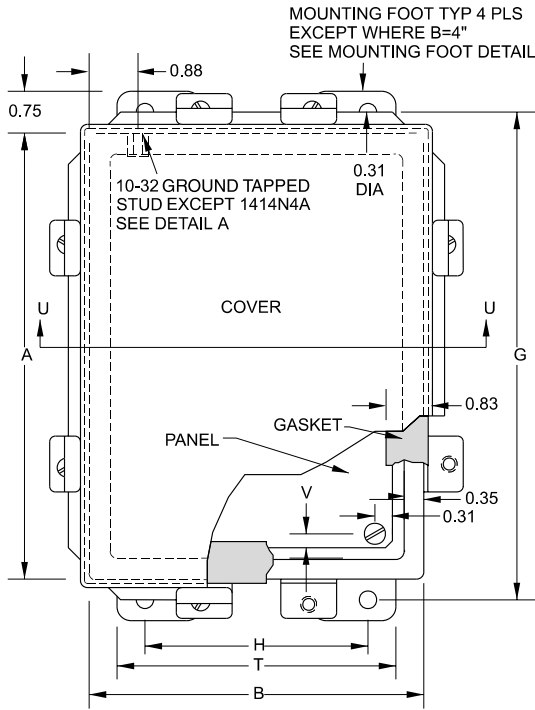
- Additional inner panels...*see page 433*
- Breather kits...*see page 423*
- Door clamping hardware
...*see page 427*
- Filter fans...*see page 408-413*
- Heaters...*see page 418-420*
- Louvered ventilating plates
...*see page 450*
- Terminal kit assemblies
...*see page 436*
- Thermostats...*see page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

1414 N4 Series Enclosures - NEMA 12, 13, 4

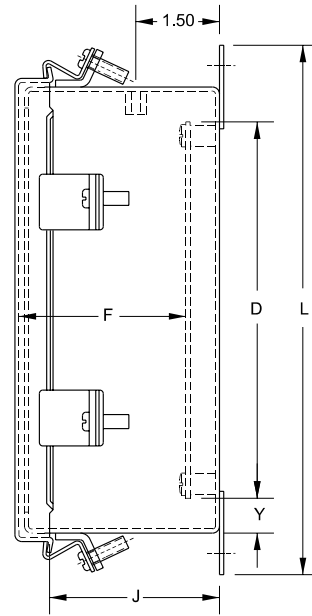
Clamped, Lift Off Cover

Industrial Enclosures

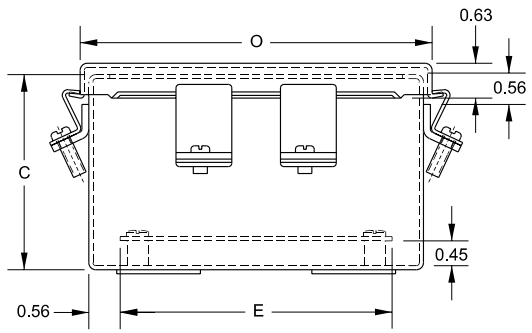
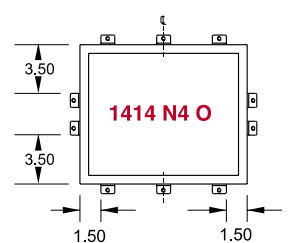
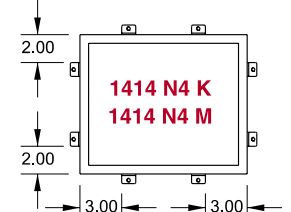
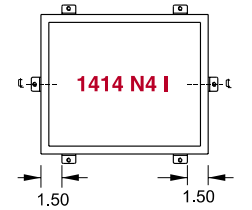
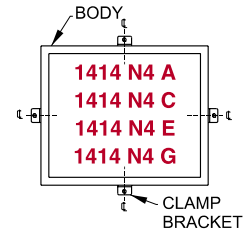
Junction Boxes



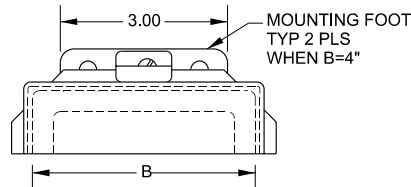
Front View



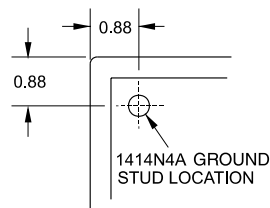
Side View



Bottom View



Mounting Foot Detail When B=4



Ground stud location for 1414N4A

Part No.	Panel Dimensions						Centers				Cover Dimensions				Ship Wt. lbs.	
	A	B	C	D	E	F	G	H	J	L	T	V	Y			
1414N4A ¹	4.0	4.0	3.0	—	—	—	4.75	2.00	2.60	5.50	4.31	4.31	3.00	—	—	2
1414N4C	6.0	4.0	3.0	4.88	2.88	2.50	6.75	2.00	2.60	7.50	6.31	4.31	3.00	0.31	0.56	3
1414N4G	8.0	6.0	3.5	6.75	4.88	3.00	8.75	4.00	3.10	9.50	8.31	6.31	5.00	0.25	0.63	6
1414N4E	6.0	6.0	4.0	4.88	4.88	3.50	6.75	4.00	3.60	7.50	6.31	6.31	5.00	0.31	0.56	6
1414N4I	10.0	8.0	4.0	8.75	6.88	3.50	10.75	6.00	3.60	11.50	10.31	8.31	7.00	0.25	0.63	10
1414N4K	12.0	10.0	5.0	10.75	8.88	4.50	12.75	8.00	4.60	13.50	12.31	10.31	9.00	0.25	0.63	15
1414N4M6	14.0	12.0	6.0	12.75	10.88	5.50	14.75	10.00	5.60	15.50	14.31	12.31	11.00	0.25	0.63	20
1414N4O6	16.0	14.0	6.0	14.75	12.88	5.50	16.75	12.00	5.60	17.50	16.31	14.31	13.00	0.25	0.63	26
1414N4M8	14.0	12.0	8.0	12.75	10.88	7.50	14.75	10.00	7.60	15.50	14.31	12.31	11.00	0.25	0.63	22
1414N4O10	16.0	14.0	10.0	14.75	12.88	9.50	16.75	12.00	9.60	17.50	16.31	14.31	13.00	0.25	0.63	30

¹ Panel not included

1414 PH Series Enclosures - NEMA 12, 13

Continuous Hinge, Clamped Cover

Industrial Enclosures

Junction Boxes



**Inner
Panel
Included**



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 marked¹
 - IEC 60529, IP54

Construction

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

Finish

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

Accessories

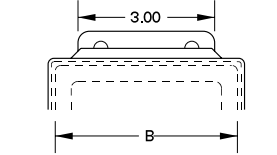
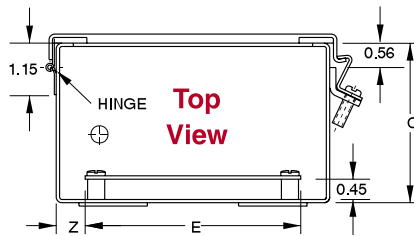
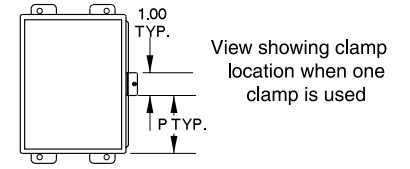
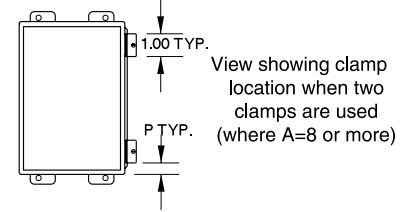
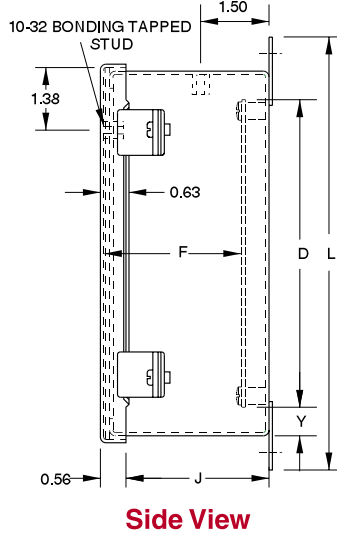
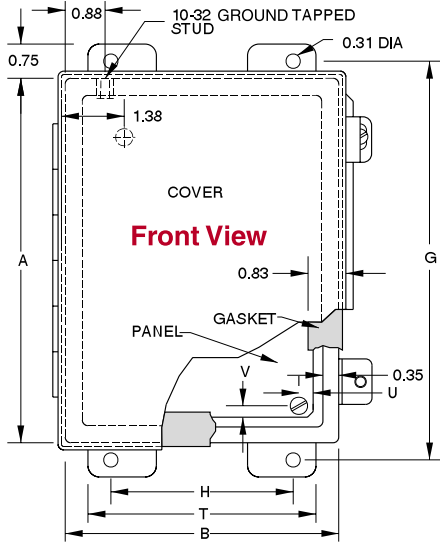
- Additional inner panels...see page **433**
- Breather kits...see page **423**
- Door clamping hardware...see page **427**
- Filter fans...see page **408-413**
- Heaters...see page **418-420**
- Louvered ventilating plates...see page **450**
- Terminal kit assemblies...see page **436**
- Thermostats...see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

1414 PH Series Enclosures - NEMA 12, 13

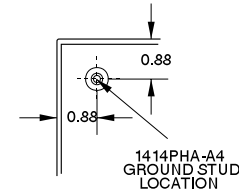
Continuous Hinge, Clamped Cover

Industrial Enclosures

Junction Boxes



**Mounting Foot Detail
When B=4**



Part No.	Part No. Without Inner Panel	Panel Size										Cover Dimensions							Ship wt. w/Pnl	Ship wt. n/Pnl	
		A	B	C	D	E	F	G	H	J	L	P	T	U	V	Y	Z				
—	1414PHA ¹	4	4	3.0	—	—	—	4.75	2	2.64	5.5	4.31	4.31	1.5	3	—	—	—	—	2	
1414PHC ¹	1414PHCLP ¹	6	4	3.0	4.88	2.88	2.51	6.75	2	2.64	7.5	6.31	4.31	2.5	3	.31	.31	.56	.56	3	2
1414PHG	1414PHGLP	8	6	3.5	6.75	4.88	3.01	8.75	4	3.14	9.5	8.31	6.31	1.0	5	.31	.25	.63	.56	6	5
1414PHRG	1414PHRGLP	6	8	3.5	4.88	6.75	3.01	6.75	6	3.14	7.5	6.31	8.31	2.5	7	.25	.31	.56	.63	6	5
—	1414PHA4 ¹	4	4	4.0	—	—	—	4.75	2	3.64	5.5	4.31	4.31	1.5	3	—	—	—	—	—	3
1414PHC4 ¹	1414PHC4LP ¹	6	4	4.0	4.88	2.88	3.51	6.75	2	3.64	7.5	6.31	4.31	2.5	3	.31	.31	.56	.56	4	3
1414PHE	1414PHELP	6	6	4.0	4.88	4.88	3.51	6.75	4	3.64	7.5	6.31	6.31	2.5	5	.31	.31	.56	.56	5	4
1414PHH4	1414PHH4LP	8	8	4.0	6.75	6.88	3.51	8.75	6	3.64	9.5	8.31	8.31	1.0	7	.31	.25	.63	.56	8	7
1414PHI	1414PHILP	10	8	4.0	8.75	6.88	3.51	10.75	6	3.64	11.5	10.31	8.31	1.0	7	.31	.25	.63	.56	10	8
1414PHRI	1414PHRILP	8	10	4.0	6.88	8.75	3.51	8.75	8	3.64	9.5	8.31	10.31	1.0	9	.25	.31	.56	.63	10	8
1414PHKC4	1414PHKC4LP	12	6	4.0	10.75	4.88	3.51	12.75	4	3.64	13.5	12.31	6.31	1.0	5	.31	.25	.63	.56	10	8
1414PHK	1414PHKLP	12	10	5.0	10.75	8.88	4.51	12.75	8	4.64	13.5	12.31	10.31	1.0	9	.31	.25	.63	.56	13	10
1414PHRK	1414PHRKLP	10	12	5.0	8.88	10.75	4.51	10.75	10	4.64	11.5	10.31	12.31	1.0	11	.25	.31	.56	.63	13	12
1414PHG6	1414PHG6LP	8	6	6.0	6.75	4.88	5.51	8.75	4	5.64	9.5	8.31	6.31	1.0	5	.31	.25	.63	.56	8	7
1414PHI6	1414PHI6LP	10	8	6.0	8.75	6.88	5.51	10.75	6	5.64	11.5	10.31	8.31	1.0	7	.31	.25	.63	.56	12	10
1414PHJ6	1414PHJ6LP	10	10	6.0	8.75	8.88	5.51	10.75	8	5.64	11.5	10.31	10.31	1.0	9	.31	.25	.63	.56	14	12
1414PHL6	1414PHL6LP	12	12	6.0	10.75	10.88	5.51	12.75	10	5.64	13.5	12.31	12.31	1.0	11	.31	.25	.63	.56	17	15
1414PHM6	1414PHM6LP	14	8	6.0	12.75	6.88	5.51	14.75	6	5.64	15.5	14.31	8.31	1.0	7	.31	.25	.63	.56	12	10
1414PHM6	1414PHM6LP	14	12	6.0	12.75	10.88	5.51	14.75	10	5.64	15.5	14.31	12.31	1.0	11	.31	.25	.63	.56	19	17
1414PHRM6	1414PHRM6LP	12	14	6.0	10.88	12.75	5.51	12.75	12	5.64	13.5	12.31	14.31	1.0	13	.25	.31	.56	.63	19	17
1414PHN6	1414PHN6LP	16	10	6.0	14.75	8.88	5.51	16.75	8	5.64	17.5	16.31	10.31	1.0	9	.31	.25	.63	.56	18	15
1414PHO6	1414PHO6LP	16	14	6.0	14.75	12.88	5.51	16.75	12	5.64	17.5	16.31	14.31	1.0	13	.31	.25	.63	.56	23	21
1414PHRO6	1414PHRO6LP	14	16	6.0	12.88	14.75	5.51	14.75	14	5.64	15.5	14.31	16.31	1.0	15	.25	.31	.56	.63	23	21
1414PHK8	1414PHK8LP	12	10	8.0	10.75	8.88	7.51	12.75	8	7.64	13.5	12.31	10.31	1.0	9	.31	.25	.63	.56	18	15
1414PHM8	1414PHM8LP	14	12	8.0	12.75	10.88	7.51	14.75	10	7.64	15.5	14.31	12.31	1.0	11	.31	.25	.63	.56	20	18
1414PHO8	1414PHO8LP	16	14	8.0	14.75	12.88	7.51	16.75	12	7.64	17.5	16.31	14.31	1.0	13	.31	.25	.63	.56	25	22
1414PHO10	1414PHO10LP	16	14	10.0	14.75	12.88	9.51	16.75	12	9.64	17.5	16.31	14.31	1.0	13	.31	.25	.63	.56	26	23

¹ Does not meet JIC requirements

1414 N4 PH Series Enclosures - NEMA 12, 13, 4

Continuous Hinge, Clamped Cover

Industrial Enclosures



**Inner
Panel
Included**



Junction Boxes

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.
- Oil resistant gaskets are permanently secured.
- All models larger than 4" x 4" include a removable 14 gauge inner panel.
- Internal threaded weld studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.

Finish

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

Accessories

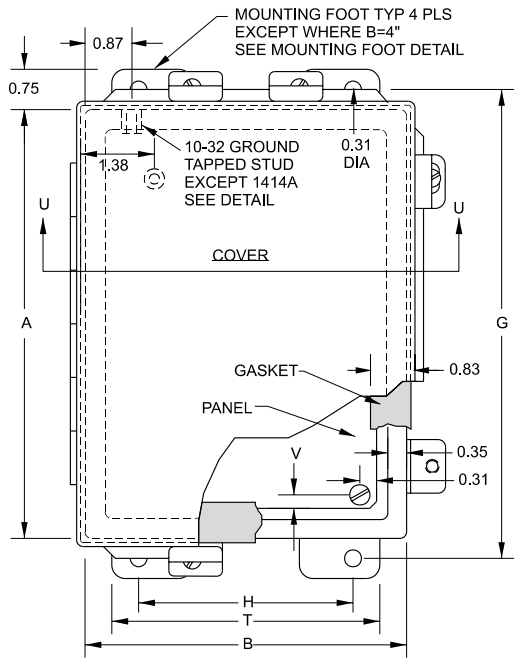
- Additional inner panels...see page **433**
- Breather kits...see page **423**
- Door clamping hardware
...see page **427**
- Filter fans...see page **408-413**
- Heaters...see page **418-420**
- Louvered ventilating plates
...see page **450**
- Terminal kit assemblies
...see page **436**
- Thermostats...see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

1414 N4 PH Series Enclosures - NEMA 12, 13, 4

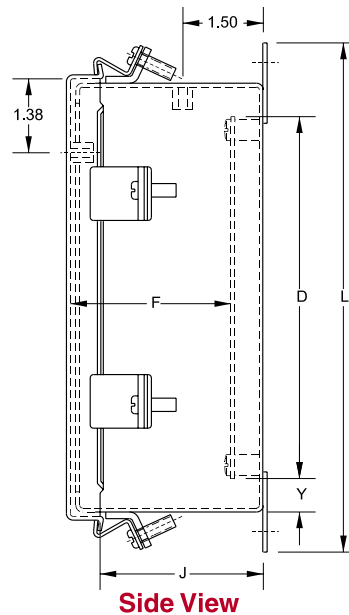
Continuous Hinge, Clamped Cover

Industrial Enclosures

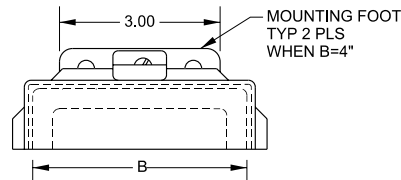
Junction Boxes



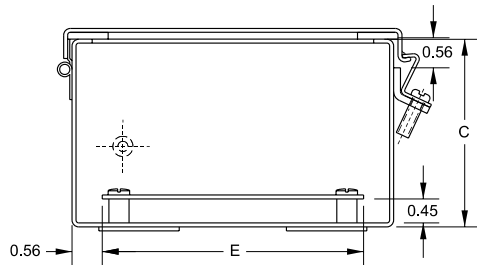
Front View



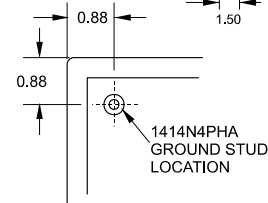
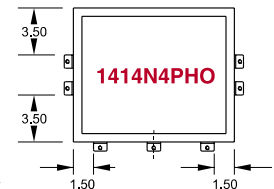
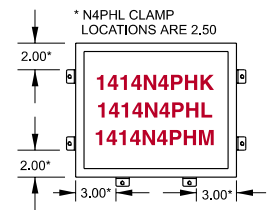
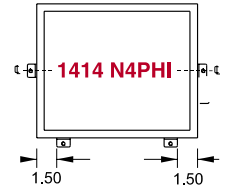
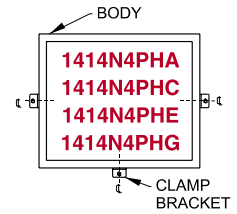
Side View



Mounting Foot Detail When B=4



Cross Section U-U



Ground stud location for 1414N4PHA

Part No.	Part No. without Inner Panel	A	B	C	Panel Dimensions				Cover Dimensions				Ship wt. with Panel	Ship wt. w/o Panel				
		D	E	F	G	H	J	L	T	V	Y							
—	1414N4PHA ¹	4	4	3.0	—	—	—	4.75	2	2.6	5.5	4.31	4.31	3	—	—	—	1
1414N4PHC ¹	1414N4PHCLP ¹	6	4	3.0	4.88	2.88	2.5	6.75	2	2.6	7.5	6.31	4.31	3	.31	.56	3	2
1414N4PHG	1414N4PHGLP	8	6	3.5	6.75	4.88	3.0	8.75	4	3.1	9.5	8.31	6.31	5	.25	.63	6	5
1414N4PHE	1414N4PHELP	6	6	4.0	4.88	4.88	3.5	6.75	4	3.6	7.5	6.31	6.31	5	.31	.56	5	4
1414N4PHI	1414N4PHILP	10	8	4.0	8.75	6.88	3.5	10.75	6	3.6	11.5	10.31	8.31	7	.25	.63	10	9
1414N4PHI6	1414N4PHI6LP	10	8	6.0	8.75	6.88	5.5	10.75	6	5.6	11.5	10.31	8.31	7	.25	.63	12	11
1414N4PHK	1414N4PHKLP	12	10	5.0	10.75	8.88	4.5	12.75	8	4.6	13.5	12.31	10.31	9	.25	.63	15	14
1414N4PHL6	1414N4PHL6LP	12	12	6.0	10.75	10.88	5.5	12.75	10	5.6	13.5	12.31	12.31	11	.25	.63	25	24
1414N4PHM6	1414N4PHM6LP	14	12	6.0	12.75	10.88	5.5	14.75	10	5.6	15.5	14.31	12.31	11	.25	.63	21	20
1414N4PHO6	1414N4PHO6LP	16	14	6.0	14.75	12.88	5.5	16.75	12	5.6	17.5	16.31	14.31	13	.25	.63	26	24
1414N4PHM8	1414N4PHM8LP	14	12	8.0	12.75	10.88	7.5	14.75	10	7.6	15.5	14.31	12.31	11	.25	.63	22	20
1414N4PHO10	1414N4PHO10LP	16	14	10.0	14.75	12.88	9.5	16.75	12	9.6	17.5	16.31	14.31	13	.25	.63	28	26

¹ Does not meet JIC requirements

1414 SC Series Enclosures - NEMA 12, 13

Lift Off, Screw Cover

Industrial Enclosures



Junction Boxes

Application

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

Standards

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

Construction

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

Finish

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

Accessories

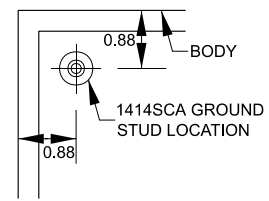
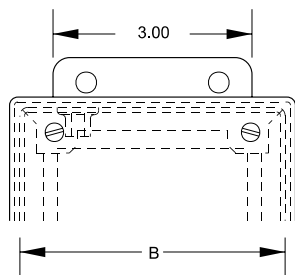
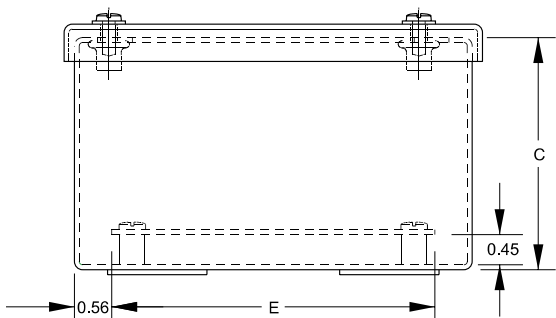
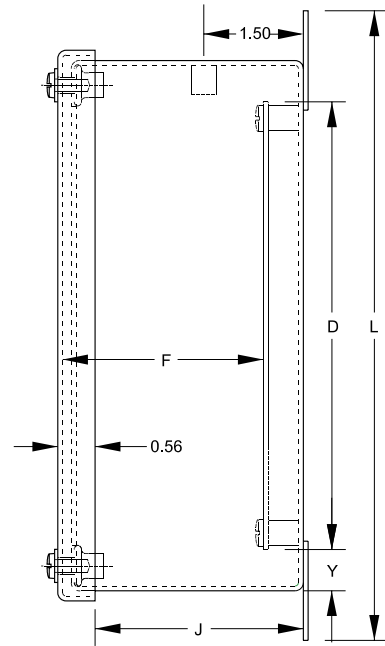
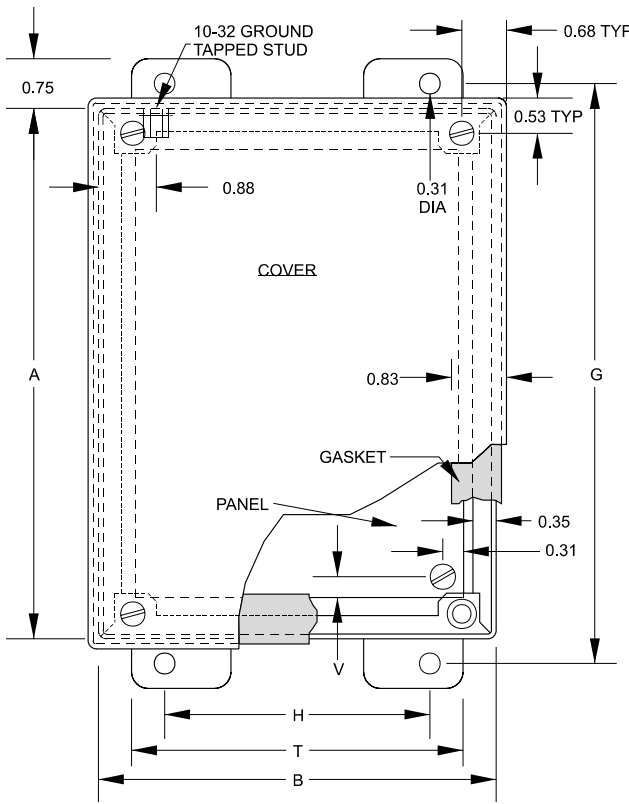
- Additional inner panels...see page **433**
- Breather kits...see page **423**
- Door clamping hardware
...see page **427**
- Filter fans...see page **408-414**
- Heaters...see page **418-420**
- Louvered ventilating plates
...see page **450**
- Terminal kit assemblies
...see page **436**
- Thermostats...see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

1414 SC Series Enclosures - NEMA 12, 13

Lift Off, Screw Cover

Industrial Enclosures

Junction Boxes



Part No.	Panel Size			Centers				Cover Dimensions				Ship Wt. lbs				
	A	B	C	D	E	F	G	H	J	L	T		V	Y		
1414SCA ¹	4	4	3.0	—	—	—	4.75	2	2.64	5.5	3	4.31	4.31	—	—	2
1414SCC ¹	6	4	3.0	4.87	2.87	2.51	6.75	2	2.64	7.5	3	6.31	4.31	0.31	0.56	3
1414SCG	8	6	3.5	6.75	4.87	3.01	8.75	4	3.14	9.5	5	8.31	6.31	0.25	0.63	6
1414SCE	6	6	4.0	4.87	4.87	3.51	6.75	4	3.64	7.5	5	6.31	6.31	0.31	0.56	5
1414SCI	10	8	4.0	8.75	6.87	3.51	10.75	6	3.64	11.5	7	10.31	8.31	0.25	0.63	10
1414SCK	12	10	5.0	10.75	8.87	4.51	12.75	8	4.64	13.5	9	12.31	10.31	0.25	0.63	14
1414SCM6	14	12	6.0	12.75	10.87	5.51	14.75	10	5.64	15.5	11	14.31	12.31	0.25	0.63	19
1414SCO6	16	14	6.0	14.75	12.87	5.51	16.75	12	5.64	17.5	13	16.31	14.31	0.25	0.63	24
1414SCM8	14	12	8.0	12.75	10.87	7.51	14.75	10	7.64	15.5	11	14.31	12.31	0.25	0.63	22
1414SCO10	16	14	10.0	14.75	12.87	9.51	16.75	12	9.64	17.5	13	16.31	14.31	0.25	0.63	29

¹ Does not meet JIC requirements

1436/1438 Series Junction Boxes - NEMA 12, 13

Lift Off, Screw Cover



1436 Standard Depth



1438 Extra Depth

Industrial Enclosures

Junction Boxes

Application

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

Standards

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

Construction

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

Finish

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

Standard Depth Series (1436)

Part No.	Centers					Overall Dimensions		Ship Wt. lbs
	A	B	C	D	E	L	W	
1436A ¹	3.50	3.25	2.75	2.38	4.00	4.50	3.56	2
1436B ¹	5.75	3.25	2.75	2.38	6.25	6.75	3.56	2
1436C ¹	8.00	3.25	2.75	2.38	8.50	9.00	3.56	3
1436D ¹	10.25	3.25	2.75	2.38	10.75	11.25	3.56	4
1436F	7.25	6.25	3.00	5.38	7.75	8.25	6.56	5
1436H	9.50	6.25	3.00	5.38	10.00	10.50	6.56	5
1436K	9.50	8.50	3.00	7.63	10.00	10.50	8.81	7
1436O	11.75	8.50	3.00	7.63	12.25	12.75	8.81	8
1436S	11.75	10.75	3.00	9.88	12.25	12.75	11.06	9
1436V	14.00	10.75	3.00	9.88	14.50	15.00	11.06	11
1436X	14.00	13.00	3.00	12.13	14.50	15.00	13.31	12
1436-30	16.25	13.00	3.00	12.13	16.75	17.25	13.31	14
1436-36	16.25	15.25	3.00	14.38	16.75	17.25	15.56	16
1436-42	18.50	15.25	3.00	14.38	19.00	19.50	15.56	18

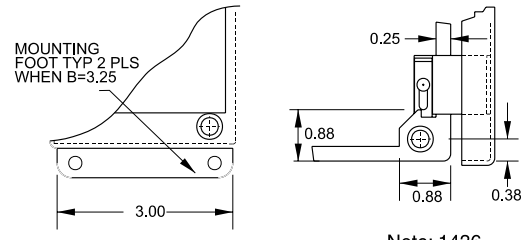
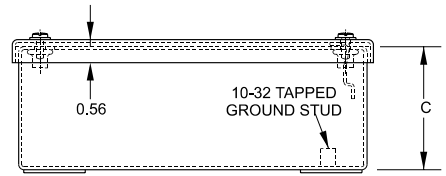
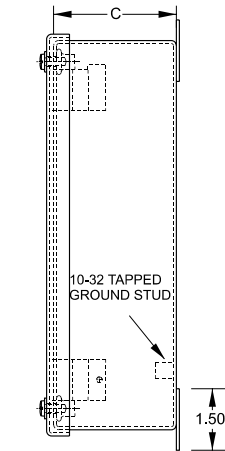
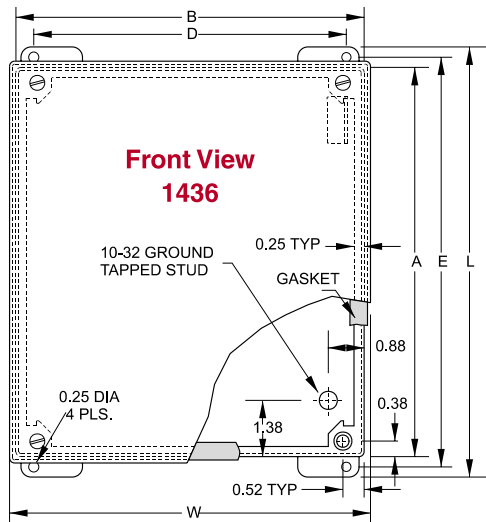
¹ Not hinged

1436/1438 Series Junction Boxes - NEMA 12, 13

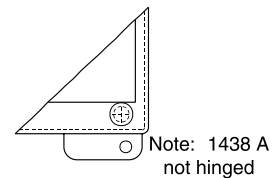
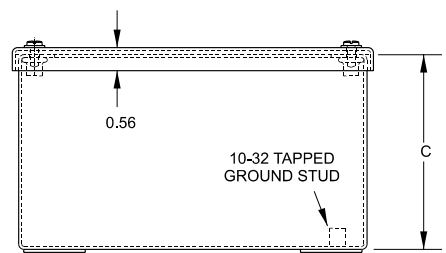
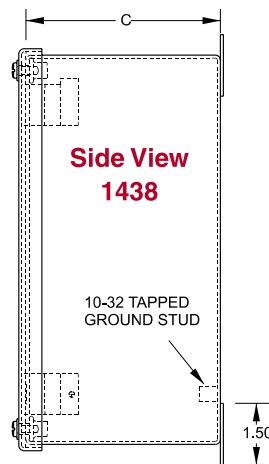
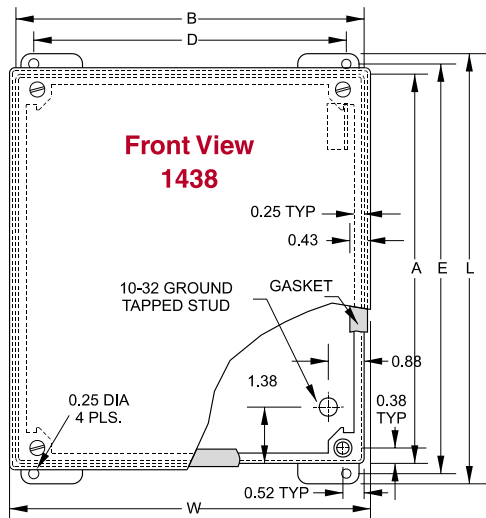
Lift Off, Screw Cover

Industrial Enclosures

Junction Boxes



Note: 1436 A,B,C,D not hinged
Retractable pin allows door to be mounted on left or right side.



Extra Deep Series (1438)

Part No.	Centers					Overall Dimensions		Ship Wt. lbs
	A	B	C	D	E	L	W	
1438A ¹	4.00	4.00	4.75	3.13	4.50	5.00	4.31	3
1438B	6.00	4.00	4.75	3.13	6.50	7.00	4.31	4
1438C	8.00	4.00	4.75	3.13	8.50	9.00	4.31	5
1438D	10.00	4.00	4.75	3.13	10.50	11.00	4.31	5
1438F	7.25	6.25	4.75	5.38	7.75	8.25	6.56	5
1438H	9.50	6.25	4.75	5.38	10.00	10.50	6.56	5
1438K	9.50	8.50	4.75	7.63	10.00	10.50	8.81	7
1438O	11.75	8.50	4.75	7.63	12.25	12.75	8.81	8
1438S	11.75	10.75	4.75	9.88	12.25	12.75	11.06	9
1438V	14.00	10.75	4.75	9.88	14.50	15.00	11.06	11
1438X	14.00	13.00	4.75	12.13	14.50	15.00	13.31	12
1438-30	16.25	13.00	4.75	12.13	16.75	17.25	13.31	14
1438-36	16.25	15.25	4.75	14.38	16.75	17.25	15.56	16
1438-42	18.50	15.25	4.75	14.38	19.00	19.50	15.56	18

¹ Not hinged

1418J Series - NEMA 12

Industrial Enclosures

Junction Boxes



Application

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

Standards

- UL 508 Type 12
- **Complies with**
 - NEMA Type 12
 - JIC EGP-1-1967 unless 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 grounding stud is provided in the enclosure and a bonding stud is provided on the door.
- A literature pocket is provided for the inside of the door.

Finish

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

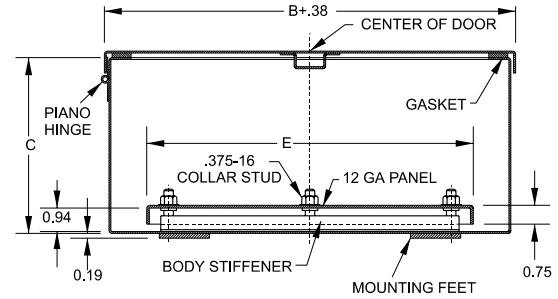
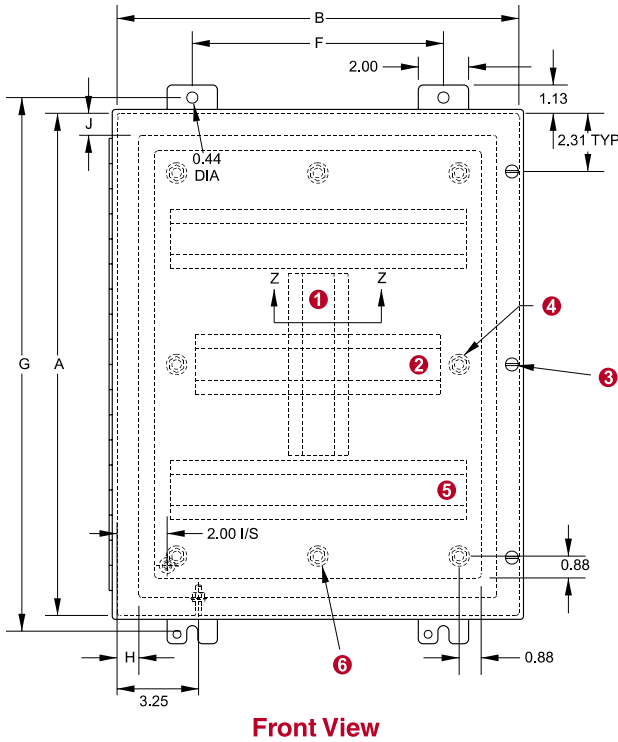
Accessories

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

1418J Series - NEMA 12

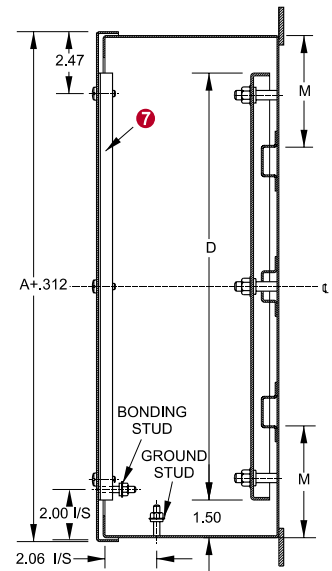
Industrial Enclosures

Junction Boxes

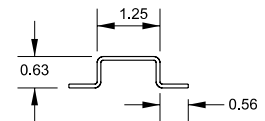


Top View

- ① Vertical body stiffener req'd on M only
- ② Omit if center body stiffener if A is less than 41"
- ③ Omit if A is less than 31"
- ④ Omit 2 center studs if A is less than 31"
- ⑤ Omit body stiffeners if 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 24" or less



Side View



Section Z-Z

Part No.	Panel Dimensions					Centers				Ship Wt. lbs
	A	B	C	D	E	F	G	H	J	
1418JB7	16	12	7	13	9	6	17.25	0.88	0.50	30
1418JC7	20	16	7	17	13	10	21.25	0.88	0.88	38
1418JD7	20	20	7	17	17	14	21.25	0.88	0.50	45
1418JE7	24	20	7	21	17	14	25.25	0.88	0.50	54
1418JJ7	24	24	7	21	21	18	25.25	0.88	0.50	63
1418JF7	30	20	7	27	17	14	31.25	0.88	0.50	70
1418JK7	30	24	7	27	21	18	31.25	0.88	0.50	78
1418JL7	36	24	7	33	21	18	37.25	0.88	0.50	90
1418JC9	20	16	9	17	13	10	21.25	0.88	0.50	42
1418JD9	20	20	9	17	17	14	21.25	0.88	0.50	45
1418JE9	24	20	9	21	17	14	25.25	0.88	0.50	60
1418JJ9	24	24	9	21	21	18	25.25	0.88	0.50	67
1418JK9	30	24	9	27	21	18	31.25	0.88	0.50	85
1418JF9	30	20	9	27	17	14	31.25	0.88	0.50	70
1418JM9	36	30	9	33	27	24	37.25	1.38	1.38	120
1418JL9	36	24	9	33	21	18	37.25	0.88	0.50	100
1418JO9 ¹	42	30	9	39	27	24	43.25	1.38	1.38	137
1418JP9 ¹	42	36	9	39	33	30	43.25	1.38	1.38	165
1418JJ11	24	24	11	21	21	18	25.25	0.88	0.50	73
1418JL11	36	24	11	33	21	18	37.25	0.88	0.50	107
1418JS11 ¹	48	36	11	45	33	30	49.25	1.38	1.38	187
1418JK13	30	24	13	27	21	18	31.25	0.88	0.50	94
1418JM13	36	30	13	33	27	24	37.25	1.38	1.38	131

¹ Does not meet JIC requirements

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

Eclipse Series - NEMA 4, 12

Single Door Enclosures

Industrial Enclosures

Wallmount Enclosures



Single Door with 3-point latching handle



Single Door with quarter turns



Single Door with 3-point latching handle and quarter turns

Panel Sold Separately



Application

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

Standards

- UL 508 Type 3R, 4, and 12
- CSA Type 3R, 4, and 12
- **Complies with**
 - NEMA 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.
- Oil resistant gaskets are permanently secured.
- Collar studs provided for mounting inner panel.
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.
- Bonding stud provided on door and grounding stud installed in enclosure
- Hinges are constructed from 304 stainless steel.
- Hinge pins are stainless steel.
- Quarter turn latch and 3 point handle (key lockable) are zinc diecast with black epoxy finish.

Finish

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

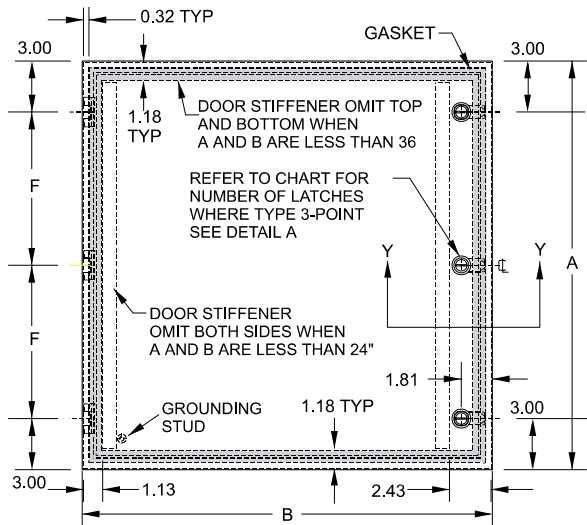
Accessories

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

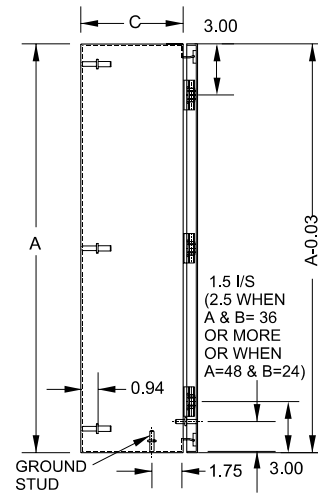
Eclipse Series - NEMA 4, 12

Single Door Enclosures

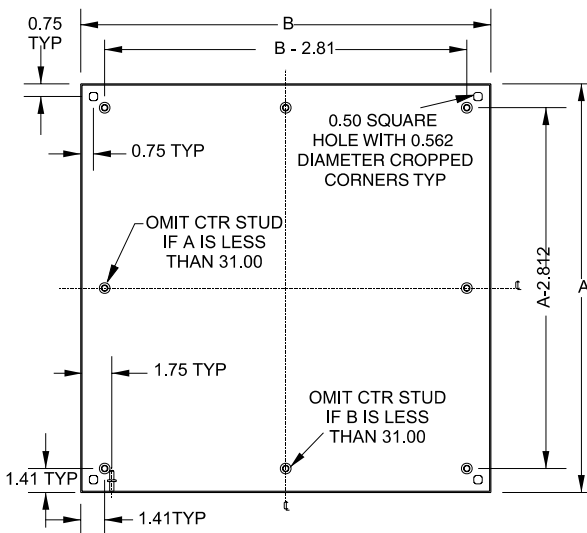
Industrial Enclosures Wallmount Enclosures



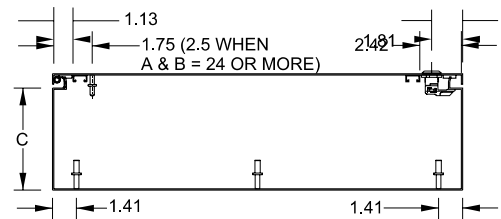
Front View



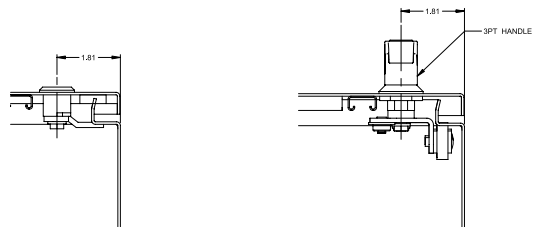
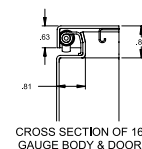
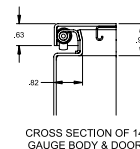
Side View



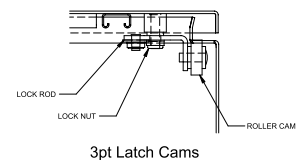
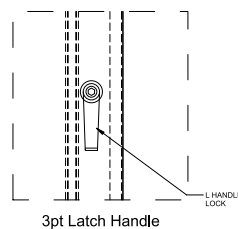
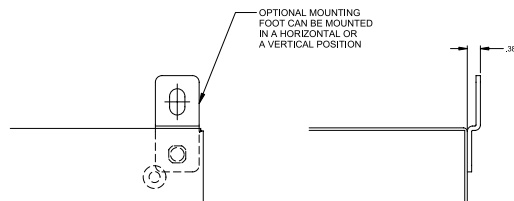
Section A-A



Bottom View



Section B-B
QUARTER TURN LOCK



Refer to part number and dimension chart on previous page

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

All dimensions in inches unless specified otherwise

Eclipse Series - NEMA 4, 12

Single Door Enclosures

Industrial Enclosures
Walmart Enclosures

Part No. (ANSI 61 Gray)	Part No. (RAL7035 Light Gray)	Overall Dimensions			Door/ Body Gauge	Latches		Opt. Panel Part No.	Panel Size		# Hinges	F	Ship Wt. Lbs.
		A	B	C		Qty	Type		D	E			
EN4SD12126GY	EN4SD12126LG	12	12	6	16	1	Qtr Turn	EP1212	10.2	10.2	2	6	12
EN4SD12246GY	EN4SD12246LG	12	24	6	16	1	Qtr Turn	EP1224	10.2	22.2	2	18	24
EN4SD16126GY	EN4SD16126LG	16	12	6	16	1	Qtr Turn	EP1612	14.2	10.2	2	10	16
EN4SD16166GY	EN4SD16166LG	16	16	6	16	1	Qtr Turn	EP1616	14.2	14.2	2	10	19
EN4SD16206GY	EN4SD16206LG	16	20	6	16	1	Qtr Turn	EP1620	14.2	18.2	2	10	22
EN4SD20126GY	EN4SD20126LG	20	12	6	16	1	Qtr Turn	EP2012	18.2	10.2	2	14	20
EN4SD20166GY	EN4SD20166LG	20	16	6	16	1	Qtr Turn	EP2016	18.2	14.2	2	14	22
EN4SD20206GY	EN4SD20206LG	20	20	6	16	1	Qtr Turn	EP2020	18.2	18.2	2	14	26
EN4SD20246GY	EN4SD20246LG	20	24	6	16	1	Qtr Turn	EP2412	22.2	10.2	2	14	32
EN4SD24126GY	EN4SD24126LG	24	12	6	16	1	Qtr Turn	EP2412	22.2	10.2	2	18	24
EN4SD24166GY	EN4SD24166LG	24	16	6	16	1	Qtr Turn	EP2416	22.2	14.2	2	18	26
EN4SD24206GY	EN4SD24206LG	24	20	6	16	1	Qtr Turn	EP2420	22.2	18.2	2	18	30
EN4SD24246GY	EN4SD24246LG	24	24	6	14	2	Qtr Turn	EP2424	22.2	22.2	2	18	37
EN4SD30166GY	EN4SD30166LG	30	16	6	14	2	Qtr Turn	EP3016	28.2	14.2	3	12	35
EN4SD30206GY	EN4SD30206LG	30	20	6	14	2	Qtr Turn	EP3020	28.2	18.2	3	12	38
EN4SD30246GY	EN4SD30246LG	30	24	6	14	2	Qtr Turn	EP3024	28.2	22.2	3	12	40
EN4SD36246GY	EN4SD36246LG	36	24	6	14	2	Qtr Turn	EP3624	34.2	22.2	3	15	52
EN4SD36306GY	EN4SD36306LG	36	30	6	14	2	Qtr Turn	EP3630	34.2	28.2	3	15	60
EN4SD12248GY	EN4SD12248LG	12	24	8	16	1	Qtr Turn	EP1224	10.2	22.2	2	6	25
EN4SD16128GY	EN4SD16128LG	16	12	8	16	1	Qtr Turn	EP1612	14.2	10.2	2	10	16
EN4SD16168GY	EN4SD16168LG	16	16	8	16	1	Qtr Turn	EP1616	14.2	14.2	2	10	21
EN4SD16208GY	EN4SD16208LG	16	20	8	16	1	Qtr Turn	EP1620	14.2	18.2	2	10	25
EN4SD20128GY	EN4SD20128LG	20	12	8	16	1	Qtr Turn	EP2012	18.2	10.2	2	14	22
EN4SD20168GY	EN4SD20168LG	20	16	8	16	1	Qtr Turn	EP2016	18.2	14.2	2	14	25
EN4SD20208GY	EN4SD20208LG	20	20	8	16	1	Qtr Turn	EP2020	18.2	18.2	2	14	28
EN4SD20248GY	EN4SD20248LG	20	24	8	16	1	Qtr Turn	EP2024	18.2	22.2	2	14	32
EN4SD24128GY	EN4SD24128LG	24	12	8	16	1	Qtr Turn	EP2412	22.2	10.2	2	18	25
EN4SD24168GY	EN4SD24168LG	24	16	8	16	1	Qtr Turn	EP2416	22.2	14.2	2	18	26
EN4SD24208GY	EN4SD24208LG	24	20	8	16	1	Qtr Turn	EP2420	22.2	18.2	2	18	32
EN4SD24248GY	EN4SD24248LG	24	24	8	14	2	Qtr Turn	EP2424	22.2	22.2	2	18	40
EN4SD24308GY	EN4SD24308LG	24	30	8	14	2	Qtr Turn	EP2430	22.2	28.2	2	18	48
EN4SD30128GY	EN4SD30128LG	30	12	8	14	2	Qtr Turn	EP3012	28.2	10.2	3	12	34
EN4SD30168GY	EN4SD30168LG	30	16	8	14	2	Qtr Turn	EP3016	28.2	14.2	3	12	40
EN4SD30208GY	EN4SD30208LG	30	20	8	14	2	Qtr Turn	EP3020	28.2	18.2	3	12	42
EN4SD30248GY	EN4SD30248LG	30	24	8	14	2	Qtr Turn	EP3024	28.2	22.2	3	12	46
EN4SD30308GY	EN4SD30308LG	30	30	8	14	2	Qtr Turn	EP3030	28.2	28.2	3	12	67
EN4SD30368GY	EN4SD30368LG	30	36	8	14	2	Qtr Turn	EP3036	28.2	34.2	3	12	77
EN4SD36248GY	EN4SD36248LG	36	24	8	14	2	Qtr Turn	EP3624	34.2	22.2	3	15	55
EN4SD36308GY	EN4SD36308LG	36	30	8	14	2	Qtr Turn	EP3630	34.2	28.2	3	15	77
EN4SD36368GY	EN4SD36368LG	36	36	8	14	2	Qtr Turn	EP3636	34.2	34.2	3	15	94
EN4SD42248GY	EN4SD42248LG	42	24	8	14	1	3-point	EP4224	40.2	22.2	4	12	80
EN4SD42308GY	EN4SD42308LG	42	30	8	14	1	3-point	EP4230	40.2	28.2	4	12	95
EN4SD42368GY	EN4SD42368LG	42	36	8	14	1	3-point	EP4236	40.2	34.2	4	12	105
EN4SD48248GY	EN4SD48248LG	48	24	8	14	1	3-point	EP4824	46.2	22.2	4	14	110
EN4SD48308GY	EN4SD48308LG	48	30	8	14	1	3-point	EP4830	46.2	28.2	4	14	115
EN4SD48368GY	EN4SD48368LG	48	36	8	14	1	3-point	EP4836	46.2	34.2	4	14	120
EN4SD60368GY	EN4SD60368LG	60	36	8	14	1	3-point	EP6036	58.2	34.2	4	18	150
EN4SD161210GY	EN4SD161210LG	16	12	10	16	1	Qtr. Turn	EP1612	14.2	10.2	2	10	18
EN4SD161610GY	EN4SD161610LG	16	16	10	16	1	Qtr. Turn	EP1616	14.2	14.2	2	10	23
EN4SD162010GY	EN4SD162010LG	16	20	10	16	1	Qtr. Turn	EP1620	14.2	18.2	2	10	28
EN4SD201610GY	EN4SD201610LG	20	16	10	16	1	Qtr. Turn	EP2016	18.2	14.2	2	14	28
EN4SD202010GY	EN4SD202010LG	20	20	10	16	1	Qtr. Turn	EP2020	18.2	18.2	2	14	31
EN4SD202410GY	EN4SD202410LG	20	24	10	16	1	Qtr. Turn	EP2024	18.2	22.2	2	14	36
EN4SD241210GY	EN4SD241210LG	24	12	10	16	1	Qtr Turn	EP2412	22.2	10.2	2	18	26
EN4SD241610GY	EN4SD241610LG	24	16	10	16	1	Qtr. Turn	EP2416	22.2	14.2	2	18	30
EN4SD242010GY	EN4SD242010LG	24	20	10	16	1	Qtr. Turn	EP2420	22.2	18.2	2	18	36

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

All dimensions in inches unless specified otherwise

Eclipse Series - NEMA 4, 12

Single Door Enclosures

Industrial Enclosures **Wallmount Enclosures**

Part No. (ANSI 61 Gray)	Part No. (RAL7035 Light Gray)	Overall Dimensions			Door/ Body Gauge	Latches		Opt. Panel Part No.	Panel Size		# Hinges	F	Ship Wt. Lbs.
		A	B	C		Qty	Type		D	E			
EN4SD242410GY	EN4SD242410LG	24	24	10	14	2	Qtr. Turn	EP2424	22.2	22.2	2	18	45
EN4SD243010GY	EN4SD243010LG	24	30	10	14	2	Qtr. Turn	EP2430	22.2	28.2	2	18	53
EN4SD302010GY	EN4SD302010LG	30	20	10	14	2	Qtr. Turn	EP3020	28.2	18.2	3	12	47
EN4SD302410GY	EN4SD302410LG	30	24	10	14	2	Qtr. Turn	EP3024	28.2	22.2	3	12	53
EN4SD303010GY	EN4SD303010LG	30	30	10	14	2	Qtr. Turn	EP3030	28.2	28.2	3	12	75
EN4SD362410GY	EN4SD362410LG	36	24	10	14	2	Qtr. Turn	EP3624	34.2	22.2	3	15	70
EN4SD363010GY	EN4SD363010LG	36	30	10	14	2	Qtr. Turn	EP3630	34.2	28.2	3	15	84
EN4SD363610GY	EN4SD363610LG	36	36	10	14	2	Qtr. Turn	EP3636	34.2	34.2	3	15	100
EN4SD423010GY	EN4SD423010LG	42	30	10	14	1	3-point	EP4230	40.2	28.2	4	12	107
EN4SD423610GY	EN4SD423610LG	42	36	10	14	1	3-point	EP4236	40.2	34.2	4	12	117
EN4SD482410GY	EN4SD482410LG	48	24	10	14	1	3-point	EP4824	46.2	22.2	4	14	95
EN4SD483010GY	EN4SD483010LG	48	30	10	14	1	3-point	EP4830	46.2	28.2	4	14	120
EN4SD483610GY	EN4SD483610LG	48	36	10	14	1	3-point	EP4836	46.2	34.2	4	14	125
EN4SD603610GY	EN4SD603610LG	60	36	10	14	1	3-point	EP6036	58.2	34.2	4	18	150
EN4SD201612GY	EN4SD201612LG	20	16	12	16	1	Qtr Turn	EP2016	18.2	14.2	2	14	32
EN4SD202012GY	EN4SD202012LG	20	20	12	16	1	Qtr Turn	EP2020	18.2	18.2	2	14	34
EN4SD242012GY	EN4SD242012LG	24	20	12	16	1	Qtr Turn	EP2420	22.2	18.2	2	18	38
EN4SD242412GY	EN4SD242412LG	24	24	12	14	2	Qtr Turn	EP2424	22.2	22.2	2	18	47
EN4SD302412GY	EN4SD302412LG	30	24	12	14	2	Qtr Turn	EP3024	28.2	22.2	3	12	57
EN4SD303012GY	EN4SD303012LG	30	30	12	14	2	Qtr Turn	EP3030	28.2	28.2	3	12	80
EN4SD362412GY	EN4SD362412LG	36	24	12	14	2	Qtr Turn	EP3624	34.2	22.2	3	15	62
EN4SD363012GY	EN4SD363012LG	36	30	12	14	2	Qtr Turn	EP3630	34.2	28.2	3	15	91
EN4SD363612GY	EN4SD363612LG	36	36	12	14	2	Qtr Turn	EP3636	34.2	34.2	3	15	104
EN4SD423012GY	EN4SD423012LG	42	30	12	14	1	3-point	EP4230	40.2	28.2	4	12	111
EN4SD423612GY	EN4SD423612LG	42	36	12	14	1	3-point	EP4236	40.2	34.2	4	12	121
EN4SD482412GY	EN4SD482412LG	48	24	12	14	1	3-point	EP4824	46.2	22.2	4	14	98
EN4SD483612GY	EN4SD483612LG	48	36	12	14	1	3-point	EP4836	46.2	34.2	4	14	148
EN4SD603612GY	EN4SD603612LG	60	36	12	14	1	3-point	EP6036	58.2	34.2	4	18	165
EN4SD723012GY	EN4SD723012LG	72	30	12	14	2	Qtr Turn, 3-point	EP7230	70.2	28.2	5	16.5	190
EN4SD723612GY	EN4SD723612LG	72	36	12	14	2	Qtr Turn, 3-point	EP7236	70.2	34.2	5	16.5	195
EN4SD242016GY	EN4SD242016LG	24	20	16	16	1	Qtr Turn	EP2420	22.2	18.2	2	18	52
EN4SD242416GY	EN4SD242416LG	24	24	16	14	2	Qtr Turn	EP2424	22.2	22.2	2	18	66
EN4SD302416GY	EN4SD302416LG	30	24	16	14	2	Qtr Turn	EP3024	28.2	22.2	3	12	85
EN4SD363016GY	EN4SD363016LG	36	30	16	14	2	Qtr Turn	EP3630	34.2	28.2	3	15	102
EN4SD423616GY	EN4SD423616LG	42	36	16	14	1	3-point	EP4236	40.2	34.2	4	12	140
EN4SD483616GY	EN4SD483616LG	48	36	16	14	1	3-point	EP4836	46.2	34.2	4	14	148
EN4SD603616GY	EN4SD603616LG	60	36	16	14	1	3-point	EP6036	58.2	34.2	4	18	200
EN4SD723016GY	EN4SD723016LG	72	30	16	14	2	Qtr Turn, 3-point	EP7230	70.2	28.2	5	16.5	215
EN4SD723616GY	EN4SD723616LG	72	36	16	14	2	Qtr Turn, 3-point	EP7236	70.2	34.2	5	16.5	217
EN4SD242420GY	EN4SD242420LG	24	24	20	14	2	Qtr Turn	EP2424	22.2	22.2	2	18	70
EN4SD302420GY	EN4SD302420LG	30	24	20	14	2	Qtr Turn	EP3024	28.2	22.2	3	12	82
EN4SD363020GY	EN4SD363020LG	36	30	20	14	2	Qtr Turn	EP3630	34.2	28.2	3	15	117
EN4SD483620GY	EN4SD483620LG	48	36	20	14	1	3-point	EP4836	46.2	34.2	4	14	165
EN4SD603620GY	EN4SD603620LG	60	36	20	14	1	3-point	EP6036	58.2	34.2	4	18	210
EN4SD723020GY	EN4SD723020LG	72	30	20	14	2	Qtr Turn, 3-point	EP7230	70.2	28.2	5	16.5	217
EN4SD302424GY	EN4SD302424LG	30	24	24	14	2	Qtr Turn	EP3024	28.2	22.2	3	12	115
EN4SD723024GY	EN4SD723024LG	72	30	24	14	2	Qtr Turn, 3-point	EP7230	70.2	28.2	5	16.5	220

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

All dimensions in inches unless specified otherwise

Quality Enclosures. Service Excellence.

Eclipse Series - NEMA 4, 12

Single Window Door Enclosures

Industrial Enclosures Wallmount Enclosures



Panel
Sold
Separately



Application

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

Standards

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

Construction

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

Finish

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

Accessories

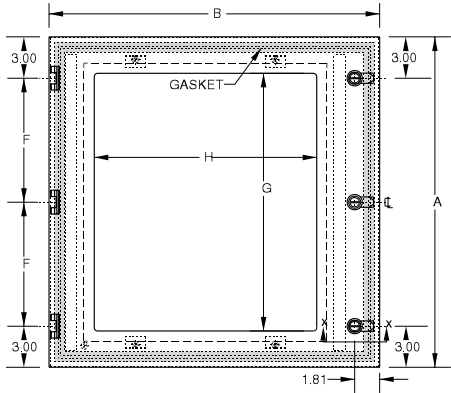
- Air conditioners...see page **387-405**
- Blowers...see page **407**
- Breather kits...see page **423**
- DIN rails...see page **29**
- DIN rail mounting kit...see page **29**
- Door stop kit...see page **447**
- Filter fans...see page **408-413**
- Gland Plates...see page **441**
- Heaters...see page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

Eclipse Series - NEMA 4, 12

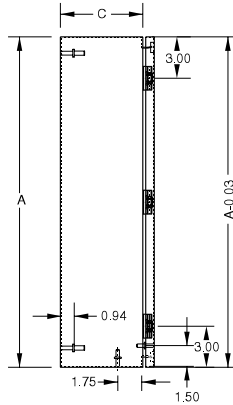
Single Window Door Enclosures

Industrial Enclosures

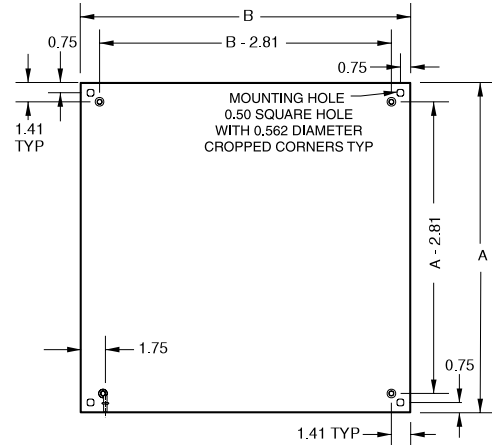
Wallmount Enclosures



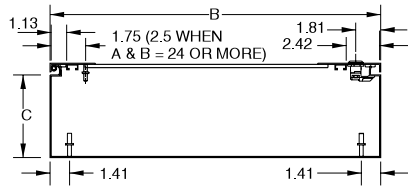
Front View



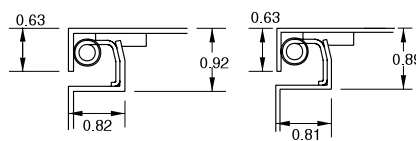
Side View
Hinge Side



Front Section
Door & Body Flange Removed

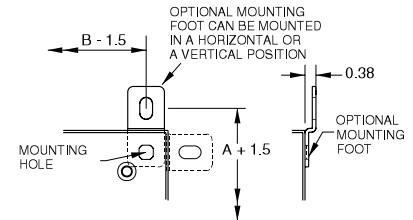


End View



Cross Section
of 14 gauge
Body & Door

Cross Section
of 16 gauge
Body & Door



Mounting Detail
Door & Body Flange Removed

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

¹ All Window Door latch types are quarter turns.

Eclipse Sloped Top Series, NEMA 4, 12

Single Door Enclosures

Industrial Enclosures

Wallmount Enclosures



Panel
Sold
Separately



Application

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

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.
- Oil resistant gaskets are permanently secured and can easily be replaced in the field if necessary.
- Collar studs provided for mounting inner panel.
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.
- Bonding stud provided on door and grounding stud installed in enclosure.
- Hinges are finished in mild steel.
- Stainless steel hinge pins and quarter turns.

Finish

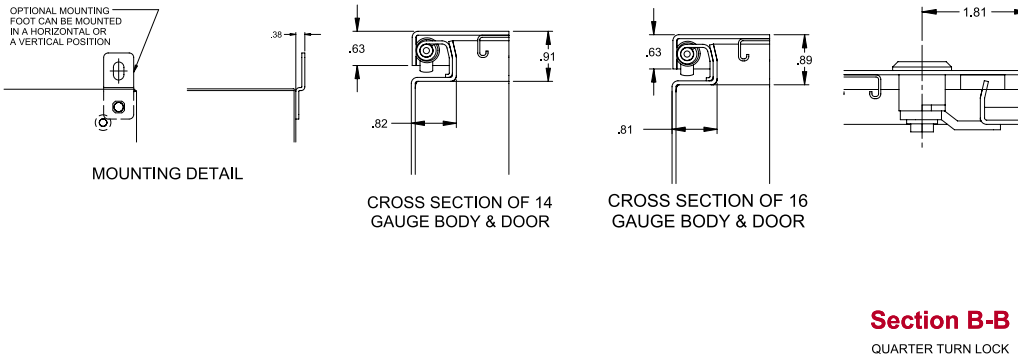
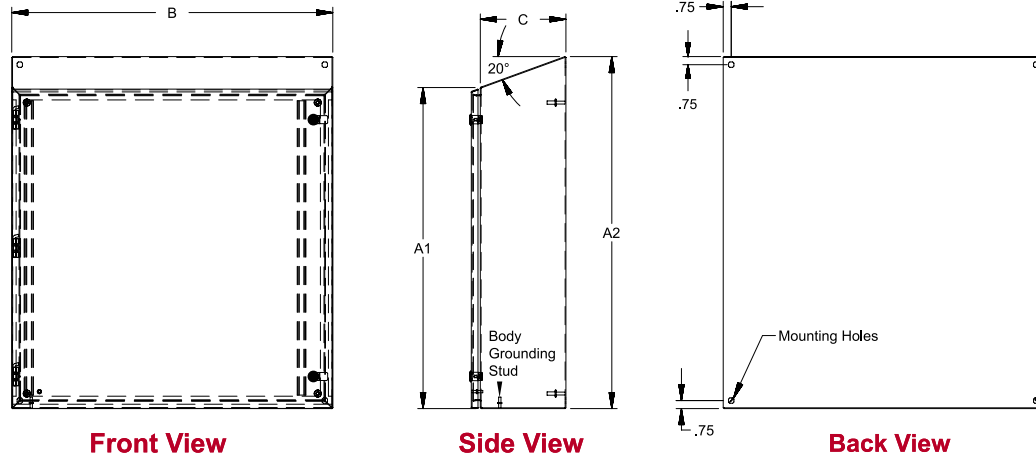
- Cover and enclosure are finished in recoatable RAL 7035 light gray textured powder coating.

Accessories

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

Eclipse Sloped Top Series, NEMA 4, 12

Single Door Enclosures



Part Number	Dimensions [in] Enclosure Size			C	Gauge		Panel Cat. Number	Latch Qty	Latch Style	Hinge Qty
	A1	A2	B		Door	Body				
ST12126LG	12	14.2	12	6	16	16	EP1212	1	Qtr Turn	2
ST16126LG	16	18.2	12	6	16	16	EP1612	1	Qtr Turn	2
ST20166LG	20	22.2	16	6	16	16	EP2016	1	Qtr Turn	2
ST20206LG	20	22.2	20	6	16	16	EP2020	1	Qtr Turn	2
ST16168LG	16	18.9	16	8	16	16	EP1616	1	Qtr Turn	2
ST20168LG	20	22.9	16	8	16	16	EP2016	1	Qtr Turn	2
ST20208LG	20	22.9	20	8	16	16	EP2020	1	Qtr Turn	2
ST24208LG	24	26.9	20	8	16	16	EP2420	1	Qtr Turn	2
ST24248LG	24	26.9	24	8	14	16	EP2424	2	Qtr Turn	2
ST30248LG	30	32.9	24	8	14	16	EP3024	2	Qtr Turn	3
ST30308LG	30	32.9	30	8	14	14	EP3030	2	Qtr Turn	3
ST36308LG	36	38.9	30	8	14	14	EP3630	2	Qtr Turn	3
ST242410LG	24	27.6	24	10	14	16	EP2424	2	Qtr Turn	2
ST302410LG	30	33.6	24	10	14	16	EP3024	2	Qtr Turn	3
ST363010LG	36	39.6	30	10	14	14	EP3630	2	Qtr Turn	3
ST483610LG	48	51.6	36	10	14	14	EP4836	1	3-point	4
ST242412LG	24	28.4	24	12	14	16	EP2424	2	Qtr Turn	2
ST302412LG	30	34.4	24	12	14	16	EP3024	2	Qtr Turn	3
ST363012LG	36	40.3	30	12	14	14	EP3630	2	Qtr Turn	3
ST363612LG	36	40.3	36	12	14	14	EP3636	2	Qtr Turn	3
ST483612LG	48	52.3	36	12	14	14	EP4836	1	3-point	4
ST603612LG	60	64.3	36	12	14	14	EP6036	1	3-point	4
ST363016LG	36	41.8	30	16	14	14	EP3630	2	Qtr Turn	3
ST483616LG	48	53.7	36	16	14	14	EP4836	1	3-point	4
ST302420LG	30	37.3	24	20	14	14	EP3024	2	Qtr Turn	3

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

All dimensions in inches unless specified otherwise

Quality Enclosures. Service Excellence.

Eclipse Series- NEMA 4, 12

Two Door Enclosures

Industrial Enclosures

Wallmount Enclosures



Panel
Sold
Separately



Application

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

Standards

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

Construction

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

Finish

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

Accessories

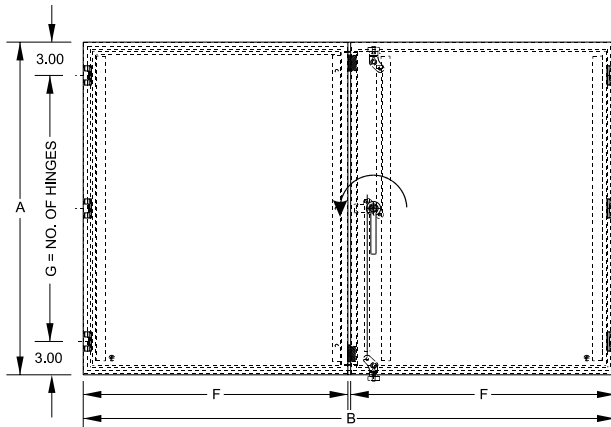
- Air conditioners...see page **387-406**
- Blowers...see page **406**
- Breather kits...see page **423**
- DIN rails...see page **29**
- DIN rail mounting kit...see page **29**
- Door stop kit...see page **447**
- Filter fans...see page **408-413**
- Gland plates...see page **441**
- Heaters...see page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

Eclipse Series - NEMA 4, 12

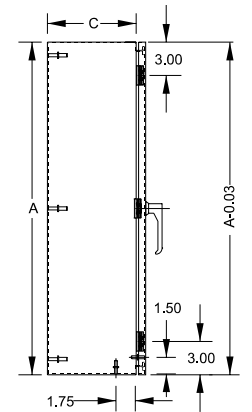
Two Door Enclosures

Industrial Enclosures

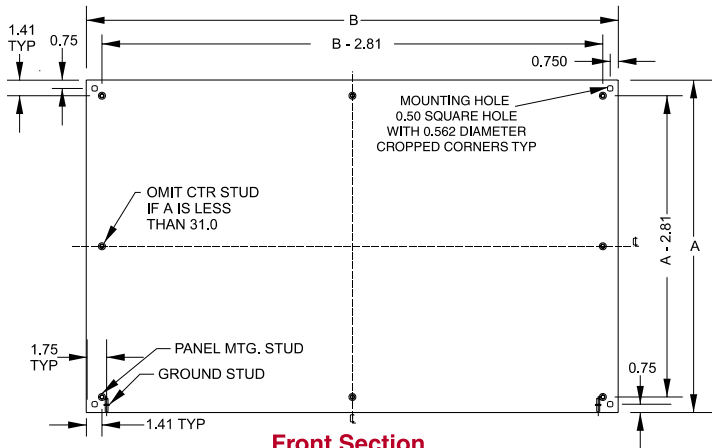
Wallmount Enclosures



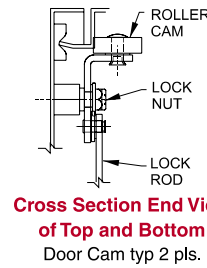
Front View



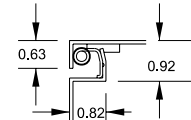
Side View - Hinge Side



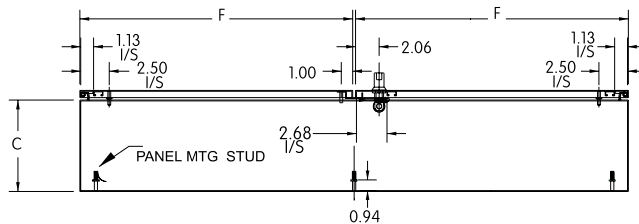
Front Section
Door & Body Flange Removed



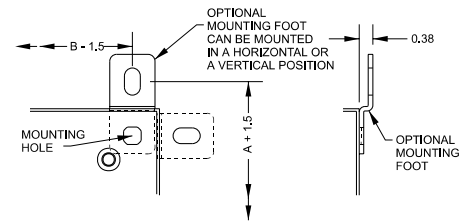
Cross Section End View
of Top and Bottom
Door Cam typ 2 pls.



**Cross Section of 14
gauge Body & Door**



End View



Mounting Detail
Door & Body Flange Removed

Part No. (ANSI 61 Gray)	Part No. (RAL7035 Light Gray)	Overall Dimensions				# of Hinges G	Optional Panel Part No.	Panel Size		Ship Wt. Lbs
		A	B	C	F			D	E	
EN4TD24428GY	EN4TD24428LG	24	42	8	20.88	2	EP2442	22.2	40.2	80
EN4TD24488GY	EN4TD24488LG	24	48	8	23.88	2	EP4824	46.2	22.2	95
EN4TD30488GY	EN4TD30488LG	30	48	8	23.88	3	EP3048	28.2	46.2	105
EN4TD244210GY	EN4TD244210LG	24	42	10	20.88	2	EP2442	22.2	40.2	85
EN4TD304210GY	EN4TD304210LG	30	42	10	20.88	3	EP3042	28.2	40.2	117
EN4TD304810GY	EN4TD304810LG	30	48	10	23.88	3	EP3048	28.2	46.2	112
EN4TD306010GY	EN4TD306010LG	30	60	10	29.88	3	EP3060	28.2	58.2	145
EN4TD306012GY	EN4TD306012LG	30	60	12	29.88	3	EP3060	28.2	58.2	152
EN4TD364212GY	EN4TD364212LG	36	42	12	20.88	3	EP4236	42.2	34.2	121
EN4TD364812GY	EN4TD364812LG	36	48	12	23.88	3	EP3648	34.2	46.1	135
EN4TD366012GY	EN4TD366012LG	36	60	12	29.88	3	EP3660	34.2	58.2	165

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

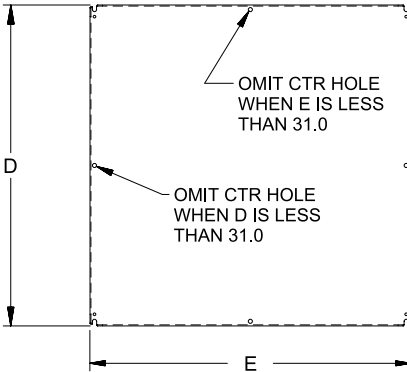
All dimensions in inches unless specified otherwise

Quality Enclosures. Service Excellence.

Eclipse Series - NEMA 4, 12

Accessories

Industrial Enclosures
Wallmount Enclosures



Eclipse Inner Panel

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

Mild Steel Part No.	Galvanized Part No.	Size		
		D	E	Gauge
EP1212	EPG1212	10.2	10.2	12
EP1224	EPG1224	10.2	22.2	12
EP1612	EPG1612	14.2	10.2	12
EP1616	EPG1616	14.2	14.2	12
EP1620	EPG1620	14.2	18.2	12
EP2012	EPG2012	18.2	10.2	12
EP2016	EPG2016	18.2	14.2	12
EP2020	EPG2020	18.2	18.2	12
EP2024	EPG2024	18.2	22.2	12
EP2412	EPG2412	22.2	10.2	12
EP2416	EPG2416	22.2	14.2	12
EP2420	EPG2420	22.2	18.2	12
EP2424	EPG2424	22.2	22.2	12
EP2430	EPG2430	22.2	28.2	12
EP2442	EPG2442	22.2	40.2	12
EP2448	EPG2448	22.2	46.2	12
EP3012	EPG3012	28.2	10.2	12
EP3016	EPG3016	28.2	14.2	12
EP3020	EPG3020	28.2	18.2	12
EP3024	EPG3024	28.2	22.2	12

Mild Steel Part No.	Galvanized Part No.	Size		
		D	E	Gauge
EP3030	EPG3030	28.2	28.2	12
EP3036	EPG3036	28.2	34.2	12
EP3042	EPG3042	28.2	40.2	12
EP3048	EPG3048	28.2	46.2	12
EP3060	EPG3060	28.2	58.2	12
EP3624	EPG3624	34.2	22.2	12
EP3630	EPG3630	34.2	28.2	12
EP3636	EPG3636	34.2	34.2	12
EP3642	EPG3642	34.2	40.2	12
EP3648	EPG3648	34.2	46.2	12
EP3660	EPG3660	34.2	58.2	12
EP4224	EPG4224	40.2	22.2	12
EP4230	EPG4230	40.2	28.2	12
EP4236	EPG4236	40.2	34.2	12
EP4824	EPG4824	46.2	22.2	12
EP4830	EPG4830	46.2	28.2	12
EP4836	EPG4836	46.2	34.2	12
EP6036	EPG6036	58.2	34.2	12
EP7230	EPG7230	70.2	28.2	12
EP7236	EPG7236	70.2	34.2	12

Eclipse Swing Panel

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



Part No.	Fits Enclosure Size (A x B)
ESP1212	12 x 12
ESP1612	16 x 12
ESP1616	16 x 16
ESP2016	20 x 16
ESP2416	24 x 16
ESP1620	16 x 20

Part No.	Fits Enclosure Size (A x B)
ESP2020	20 x 20
ESP2420	24 x 20
ESP3020	30 x 20
ESP2024	20 x 24
ESP2424	24 x 24
ESP3024	30 x 24

Part No.	Fits Enclosure Size (A x B)
ESP3624	36 x 24
ESP3030	30 x 30
ESP3630	36 x 30
ESP3636	36 x 36

Eclipse Replacement Hinge Pins

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

Part No.	Material
EPINSS	Stainless steel hinge pin



Eclipse Series - NEMA 4, 12 Accessories



Eclipse Swing Frame

- Provides 19" rack mounting with full EIA spacing (punched holes).
- Hinges allow easy equipment access.
- Slotted quarter turn latches provide closure.
- Adding optional locking quarter turn latches (EQTRL...see page 30) provides added security.
- Complete with 4-6" depth adjustment channels.

- Order package of 25 clip nuts separately (Part No. 1421N25...see page 430).
- Hardware kit maintains UL, CSA and NEMA ratings when field installed.
- Finished in black.

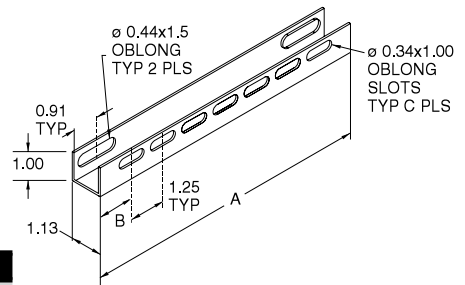


Part No.	Fits Enclosure	Rack Spacing	
	Size (A x B)	Width	Height (Units)
ESF2424	24 x 24	19	11
ESF3024	30 x 24	19	14
ESF3624	36 x 24	19	17



DIN Rail Mounting Kit

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

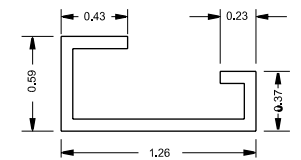


Part No.	A	B	C
2DMK12	10	1.25	7
2DMK16	14	0.75	11
2DMK20	18	0.88	14
2DMK24	22	1.00	17
2DMK30	28	0.88	22

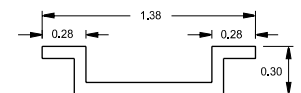


DIN Rails

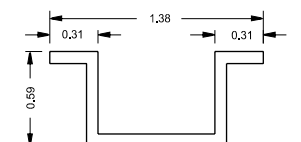
- Field installable.
- Includes a set of 3 plated rails.
- Available in 3 industry standard profiles - DIN 1, DIN 3, and CENELEC.
- DIN rail mounting kit required for installation (see above).
- Rails have a 0.28 x 1.25 oblong slot on each end.
- Zinc plated.



Asymmetric DIN 1 Pro



Symmetric DIN 3 Pro



CENELEC Pro

Asymmetric Din 1 Profile Part No.	Symmetric Din 3 Profile Part No.	Cenelec Profile Part No.	Length
2D1K12	2D2K12	2DCK12	9.25
2D1K16	2D2K16	2DCK16	13.25
2D1K20	2D2K20	2DCK20	17.25
2D1K24	2D2K24	2DCK24	21.25
2D1K30	2D2K30	2DCK30	27.25

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

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

All dimensions in inches unless specified otherwise

Eclipse Series- NEMA 4, 12

Accessories

Industrial Enclosures



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.

Part No.	Description
2SQI7	7mm square insert, black
2SQK7	7mm square key, fits 2SQI7
2TRI7	7mm triangle insert, black
2TRK7	7mm triangle key, fits 2TRI7
2SLI	Slotted insert, black



Replacement Quarter Turn Assemblies

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

Part No.	Description	Material	NEMA Rating
EQTRL¹	Locking Qtr Turn	Zinc Die/Chrome	n/a (internal use only)
2QTR	Slotted Qtr Turn	Zinc Die/Black	12, 4
2SSQTR	Slotted Qtr Turn	Stainless steel	12, 4, 4X
2WKL	Wing knob lock	Zinc Die/Black	12, 4
2QPL	Padlockable quarter turn latch	Zinc Die/Black	12, 4

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



Handles

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

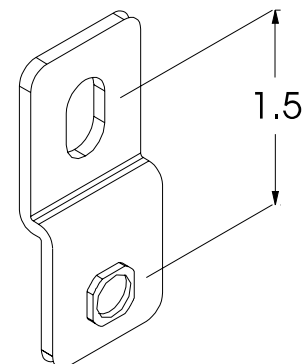
Part No.	Description	Material	NEMA Rating
EHTL	Locking T Handle	Zinc Die/Black	12, 4
EHLL	Locking L Handle	Zinc Die/Black	12, 4
EHLPL	Padlockable L Handle	Zinc Die/Black	12
EHLPLSS	Padlockable L Handle	Stainless Steel	12, 4, 4X
EHLNLSS	Non Locking L Handle	Stainless Steel	12, 4, 4X



Eclipse Mounting Foot Kit

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

Part No.	Material
EZPMF	Mild Steel
ESSMF	Type 304 Stainless
ES16MF	Type 316 Stainless



1418 Series Single Door Enclosures - NEMA 12, 13

Continuous Hinge, Clamped Cover



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 marked¹
 - IEC 60529, IP54

Construction

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

Finish

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

Accessories

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

Part No.	Panel Size			Centers		Ship Wt. lbs
	A	B	C	D	E	
1418A6 ²	12	24	6	9	21	18.0 13.25 34
1418B6 ²	16	12	6	13	9	9.5 17.25 26
1418G6 ²	16	16	6	13	13	10.0 17.25 32
1418CR6 ²	16	20	6	13	17	14.0 17.25 38
1418CA6 ²	20	12	6	17	9	9.5 21.25 32
1418C6 ²	20	16	6	17	13	10.0 21.25 38
1418D6 ²	20	20	6	17	17	14.0 21.25 48
1418ER6	20	24	6	17	21	18.0 21.25 54
1418AR6 ²	24	12	6	21	9	9.5 25.25 36
1418H6	24	16	6	21	13	10.0 25.25 46
1418E6	24	20	6	21	17	14.0 25.25 54
1418J6	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
1418L6	36	24	6	33	21	18.0 37.25 91
1418M6	36	30	6	33	27	24.0 37.25 114
1418A8 ²	12	24	8	9	21	18.0 13.25 38
1418B8 ²	16	12	8	13	9	9.5 17.25 28
1418G8 ²	16	16	8	13	13	10.0 17.25 34
1418CR8 ²	16	20	8	13	17	14.0 17.25 43
1418CA8 ²	20	12	8	17	9	9.5 21.25 35
1418C8 ²	20	16	8	17	13	10.0 21.25 40
1418D8 ²	20	20	8	17	17	14.0 21.25 48

¹Does not meet JIC requirements

²Flat Panel not meet JIC

Part No.	Panel Size			Centers		Ship Wt. lbs
	A	B	C	D	E	
1418ER8	20	24	8	17	21	18.0 21.25 61
1418AR8	24	12	8	21	9	9.5 25.25 40
1418H8	24	16	8	21	13	10.0 25.25 50
1418E8	24	20	8	21	17	14.0 25.25 58
1418J8	24	24	8	21	21	18.0 25.25 68
1418KR8	24	30	8	21	27	24.0 25.25 82
1418KA8	30	12	8	27	9	9.5 31.25 50
1418KG8	30	16	8	27	13	10.0 31.25 60
1418F8	30	20	8	27	17	14.0 31.25 70
1418K8	30	24	8	27	21	18.0 31.25 82
1418KK8	30	30	8	27	27	24.0 31.25 102
1418MR8	30	36	8	27	33	30.0 31.25 124
1418L8	36	24	8	33	21	18.0 37.25 96
1418M8	36	30	8	33	27	24.0 37.25 120
1418LL8 ¹	36	36	8	33	33	30.0 37.25 142
1418N8	42	24	8	39	21	18.0 43.25 110
1418O8 ¹	42	30	8	39	27	24.0 43.25 132
1418P8 ¹	42	36	8	39	33	30.0 43.25 182
1418Q8	48	24	8	45	21	18.0 49.25 122
1418R8 ¹	48	30	8	45	27	24.0 49.25 173
1418S8 ¹	48	36	8	45	33	30.0 49.25 201
1418T8 ¹	60	36	8	57	33	30.0 61.25 246
1418B10 ²	16	12	10	13	9	9.5 17.25 30
1418C10 ²	20	16	10	17	13	10.0 21.25 44

¹Does not meet JIC requirements

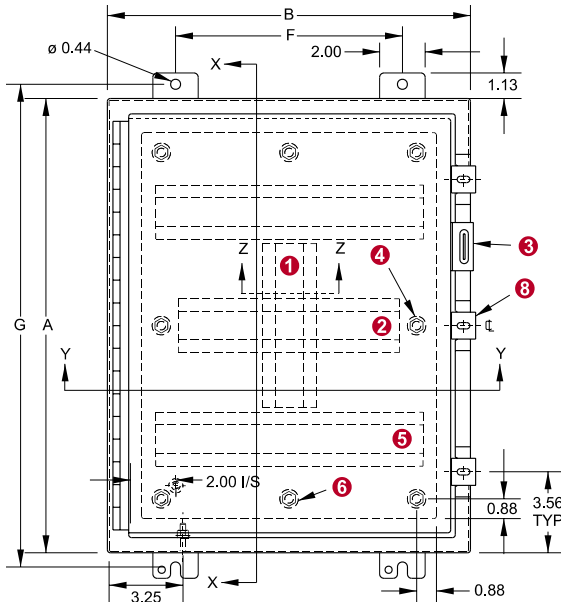
²Flat Panel not meet JIC

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

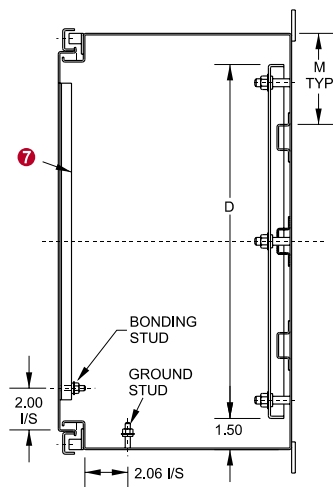
All dimensions in inches unless specified otherwise

1418 Series Single Door Enclosures - NEMA 12, 13

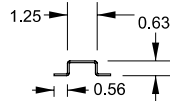
Continuous Hinge, Clamped Cover



Front View

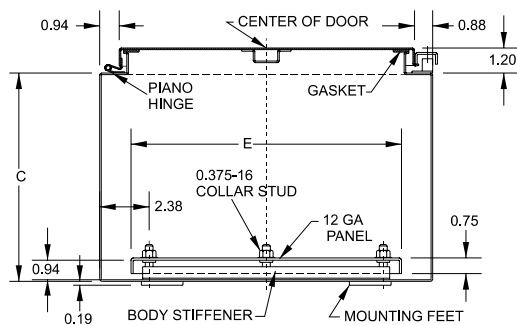


Side View



Section Z-Z

When A=	M=
30	7.00
36	9.00
42	9.88
48	11.38
60	14.38
72	17.38



Bottom View

Inner Panel Included



Part No.	Panel Size					Centers		Ship Wt. lbs
	A	B	C	D	E	F	G	
1418D10 ²	20	20	10	17	17	14.0	21.25	52
1418AR10 ²	24	12	10	21	9	9.5	25.25	42
1418E10	24	20	10	21	17	14.0	25.25	64
1418J10	24	24	10	21	21	18.0	25.25	73
1418F10	30	20	10	27	17	14.0	31.25	76
1418K10	30	24	10	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 ¹	42	30	10	39	27	24.0	43.25	140
1418P10 ¹	42	36	10	39	33	30.0	43.25	192
1418R10 ¹	48	30	10	45	27	24.0	49.25	162
1418S10 ¹	48	36	10	45	33	30.0	49.25	208
1418T10 ¹	60	36	10	57	33	30.0	61.25	258
1418C12 ²	20	16	12	17	13	10.0	21.25	48
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
1418KK12	30	30	12	27	27	24.0	31.25	114
1418L12	36	24	12	33	21	18.0	37.25	108
1418M12	36	30	12	33	27	24.0	37.25	132
1418LL12 ¹	36	36	12	33	33	30.0	37.25	156
1418O12 ¹	42	30	12	39	27	24.0	43.25	150
1418P12 ¹	42	36	12	39	33	30.0	43.25	198
1418S12 ¹	48	36	12	45	33	30.0	49.25	222
1418T12 ¹	60	36	12	57	33	30.0	61.25	264
1418U12 ¹	72	30	12	69	27	24.0	73.25	272
1418V12	72	36	12	69	33	30.0	73.25	312
1418E16	24	20	16	21	17	14.0	25.25	74
1418J16	24	24	16	21	21	18.0	25.25	86
1418K16	30	24	16	27	21	18.0	31.25	102
1418M16	36	30	16	33	27	24.0	37.25	140
1418P16 ¹	42	36	16	39	33	30.0	43.25	214
1418S16 ¹	48	36	16	45	33	30.0	49.25	238
1418T16 ¹	60	36	16	57	33	30.0	61.25	290
1418U16 ¹	72	30	16	69	27	24.0	73.25	290
1418K20	30	24	20	27	21	18.0	31.25	112
1418M20	36	30	20	33	27	24.0	37.25	152
1418S20 ¹	48	36	20	45	33	30.0	49.25	256
1418T20 ¹	60	36	20	57	33	30.0	61.25	300
1418U20 ¹	72	30	20	69	27	24.0	73.25	308
1418K24	30	24	24	27	21	18.0	31.25	142
1418U24 ¹	72	30	24	69	27	24.0	73.25	332

¹Does not meet JIC requirements

²Flat Panel not meet JIC

- 1 Vertical stiffener required on KK, M, MR and LL 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", 48"x30" or 72"x30".
- 8 Omit if A is less than 48".

1418 N4 Series Single Door Enclosures - NEMA 4

Continuous Hinge, Clamped Cover

Industrial Enclosures

Wallmount Enclosures



**Inner
Panel
Included**



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.
- Oil resistant gaskets are permanently secured.
- A removable 12 gauge inner panel is included.
- Collar studs are provided for mounting inner panels.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.
- A literature pocket is provided for the inside of the door.

Finish

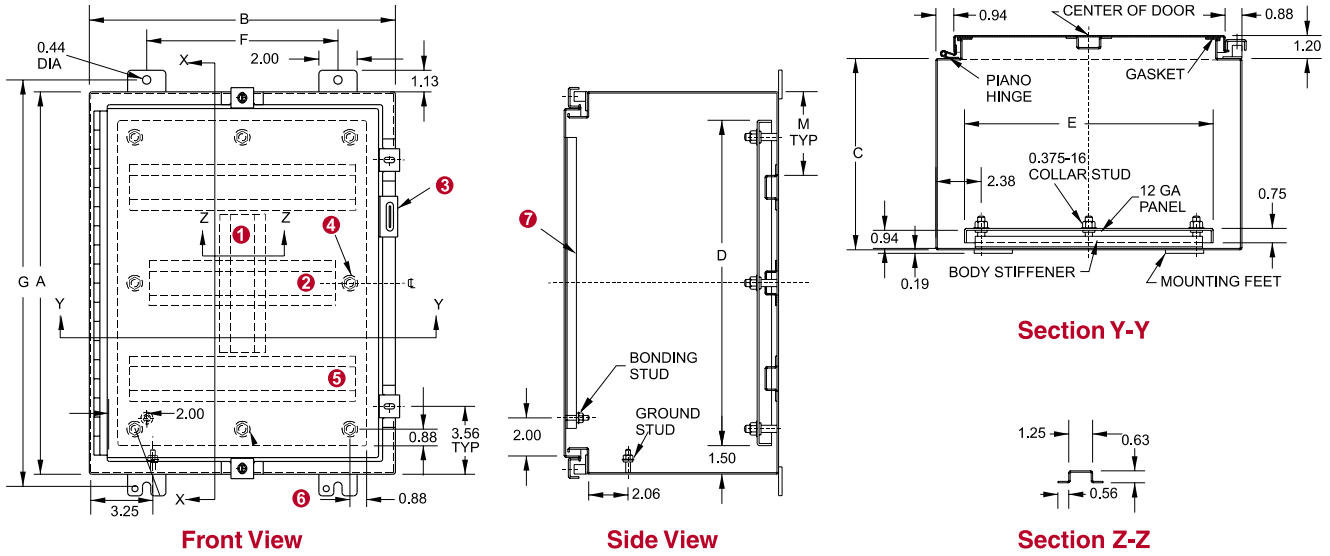
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating.
- Removable inner panel is finished in white powder coating.

Accessories

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

1418 N4 Series Single Door Enclosures - NEMA 4

Continuous Hinge, Clamped Cover



- 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.

Part No.	Panel Size			Mtg. Centers			Ship Wt. lbs.	
	A	B	C	D	E	F		G
1418N4B6 ²	16	12	6	13	9	9.5	17.25	27
1418N4G6 ²	16	16	6	13	13	10.0	17.25	34
1418N4CR6 ²	16	20	6	13	17	14.0	17.25	41
1418N4C6 ²	20	16	6	17	13	10.0	21.25	40
1418N4D6 ²	20	20	6	17	17	14.0	21.25	40
1418N4AR6	24	12	6	21	9	9.5	25.25	41
1418N4H6	24	16	6	21	13	10.0	25.25	42
1418N4E6	24	20	6	21	17	14.0	25.25	56
1418N4J6	24	24	6	21	21	18.0	25.25	65
1418N4F6	30	20	6	27	17	14.0	31.25	70
1418N4K6	30	24	6	27	21	18.0	31.25	80
1418N4L6	36	24	6	33	21	18.0	37.25	91
1418N4B8 ²	16	12	8	13	9	9.5	17.25	29
1418N4C8 ²	20	16	8	17	13	10.0	21.25	44
1418N4D8 ²	20	20	8	17	17	14.0	21.25	51
1418N4ER8	20	24	8	17	21	18.0	21.25	55
1418N4E8	24	20	8	21	17	14.0	25.25	60
1418N4J8	24	24	8	21	21	18.0	25.25	70
1418N4KR8	24	30	8	21	27	24.0	25.25	74
1418N4F8	30	20	8	27	17	14.0	31.25	79
1418N4K8	30	24	8	27	21	18.0	31.25	88
1418N4KK8	30	30	8	27	27	24.0	31.25	106

Part No.	Panel Size			Mtg. Centers			Ship Wt. lbs.	
	A	B	C	D	E	F		G
1418N4L8	36	24	8	33	21	18.0	37.25	101
1418N4M8	36	30	8	33	27	24	37.25	121
1418N4O8 ¹	42	30	8	39	27	24	43.25	132
1418N4P8 ¹	42	36	8	39	33	30	43.25	177
1418N4S8 ¹	48	36	8	45	33	30	49.25	207
1418N4T8 ¹	60	36	8	57	33	30	61.25	245
1418N4C10 ²	20	16	10	17	13	10	21.25	47
1418N4E10	24	20	10	21	17	14	25.25	66
1418N4K10	30	24	10	27	21	18	31.25	91
1418N4M10	36	30	10	33	27	24	37.25	125
1418N4R10 ¹	48	30	10	45	27	24	49.25	175
1418N4S10 ¹	48	36	10	45	33	30	49.25	183
1418N4T10 ¹	60	36	10	57	33	30	61.25	252
1418N4E12	24	20	12	21	17	14	25.25	71
1418N4K12	30	24	12	27	21	18	31.25	95
1418N4L12	36	24	12	33	21	18	37.25	106
1418N4M12	36	30	12	33	27	24	37.25	136
1418N4P12 ¹	42	36	12	39	33	30	43.25	202
1418N4S12 ¹	48	36	12	45	33	30	49.25	225
1418N4K16	30	24	16	27	21	18	31.25	100
1418N4M16	36	30	16	33	27	24	37.25	149
1418N4S16 ¹	48	36	16	45	33	30	49.25	290
1418N4T16 ¹	60	36	16	57	33	30	61.25	232

¹ Does not meet JIC requirements

² Flat Panel

¹ Does not meet JIC requirements

² Flat Panel

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

All dimensions in inches unless specified otherwise

Quality Enclosures. Service Excellence.

Industrial Enclosures Wallmount Enclosures

1422 Series Two Door Wallmount Enclosures - NEMA 12

Continuous Hinge

Industrial Enclosures
Wallmount Enclosures



**Inner
Panel
Included**



Application

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

Standards

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

Construction

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

Finish

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

Accessories

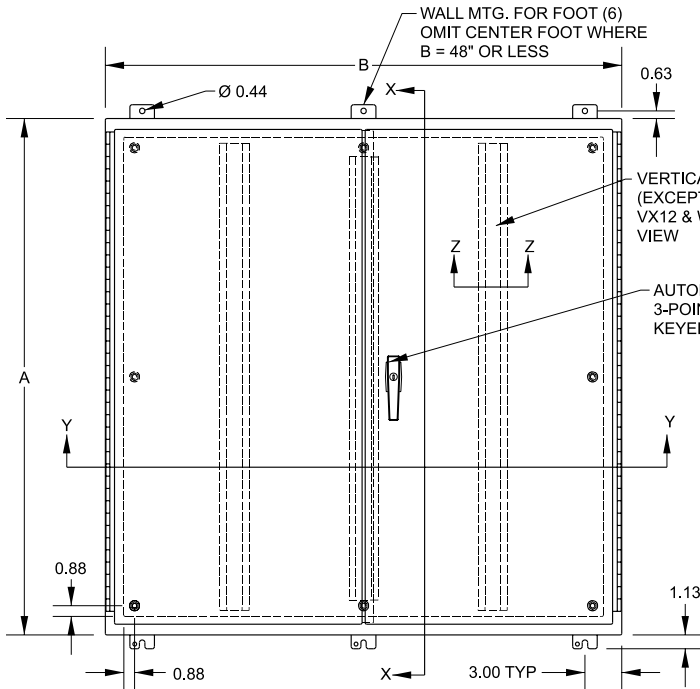
- Air conditioners...see page **387-405**
- Blowers...see page **406**
- Breather kits...see page **423**
- Door stop kits...see page **447**
- Drip shield kits...see page **447**
- Enclosure stabilizers...see page **451**
- Filter fans...see page **408-413**
- Floor stand kits...see page **448**
- Gland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

1422 Series Two Door Wallmount Enclosures - NEMA 12

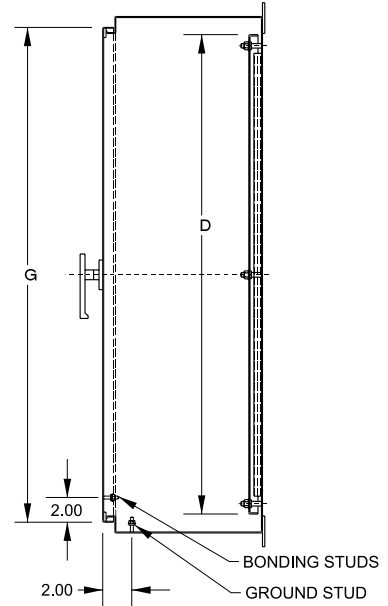
Continuous Hinge

Industrial Enclosures

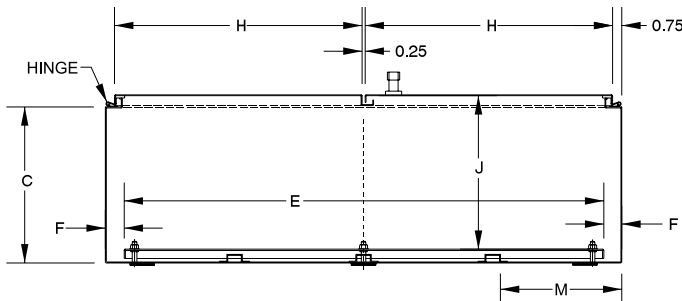
Wallmount Enclosures



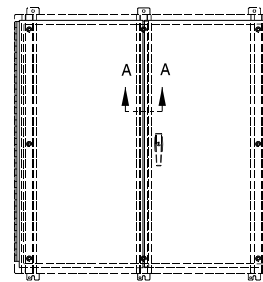
Front View



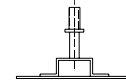
Side View



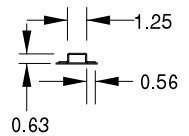
Section Y-Y



Stiffener Layout
1422UX12 & 1422WW12



Section A-A
1422VX12 & 1422WW12



Section Z-Z
(Except 1422VX12 & 1422WW12)

Part No.	A	B	C	Body Gauge	Panel Gauge	Panel Size		D	E	F	G	H	J	Ship Wt. lbs.
1422P8	24.00	42.00	8.00	14	12	21	39	1.5	22.25	20.13	7.96	79		
1422PW8	24.00	48.00	8.00	14	12	21	45	1.5	22.25	23.13	7.96	92		
1422P10	24.00	42.00	10.00	14	12	21	39	1.5	22.25	20.13	9.96	101		
1422R10	30.00	42.00	10.00	14	12	27	39	1.5	28.25	20.13	9.96	112		
1422RW10	30.00	48.00	10.00	14	12	27	45	1.5	28.25	23.13	9.96	115		
1422RX10	30.00	60.00	10.00	14	12	27	57	1.5	28.25	29.13	9.96	142		
1422UV12	36.00	42.00	12.00	14	12	33	39	1.5	34.25	20.13	11.96	134		
1422UW12	36.00	48.00	12.00	14	12	33	45	1.5	34.25	23.13	11.96	230		
1422UX12	36.00	60.00	12.00	14	12	33	57	1.5	34.25	29.13	11.96	181		
1422VV12	42.00	42.00	12.00	14	12	39	39	1.5	40.25	20.13	11.96	152		
1422VW12	42.00	48.00	12.00	14	12	39	45	1.5	40.25	23.13	11.96	161		
1422VX12	42.13	60.06	12.69	12	10	38	56	2.0	40.25	29.13	11.96	202		
1422WW12	48.13	48.06	12.69	12	10	44	44	2.0	46.25	23.13	11.96	350		

When B=	M=
42	9.88
48	11.38
60	14.38

1422 Series Two Door Floormount Enclosures - NEMA 12

Continuous Hinge

Industrial Enclosures

Floormount Enclosures



With Feet



Without Feet



Application

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

Standards

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

Construction

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

Construction...Cont'd

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

Finish

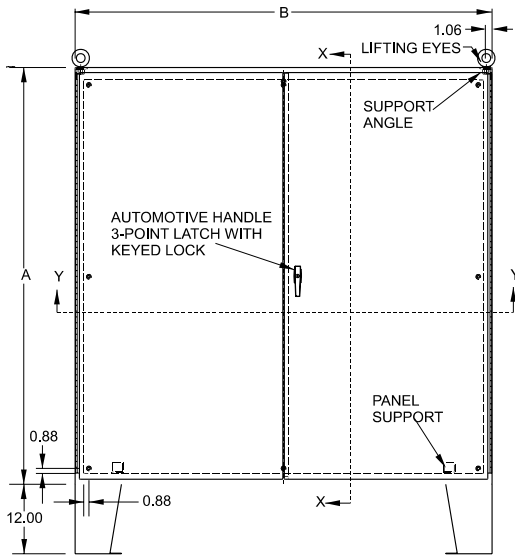
- Cover and enclosure are phosphatized and finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Removable inner panel is finished in white powder coating.

Accessories

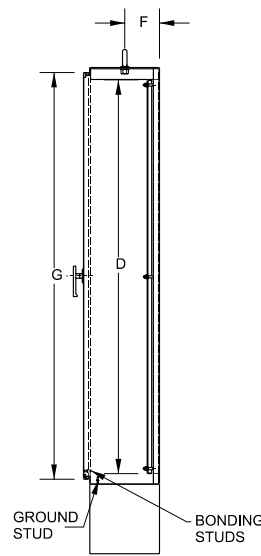
- Air conditioners...see page 387-405
- Blowers...see page 406
- Breather kits...see page 423
- Door stop kits...see page 447
- Drip shield kits...see page 447
- Enclosure stabilizers...see page 451
- Filter fans...see page 408-413
- Floor stand kits...see page 448
- Gland plates...see page 441
- Heaters...see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

1422 Series Two Door Floormount Enclosures - NEMA 12

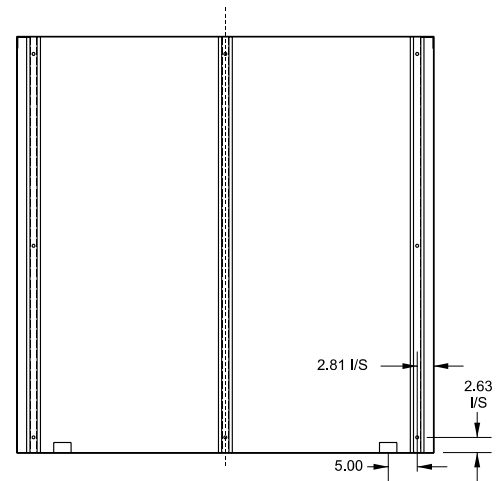
Continuous Hinge



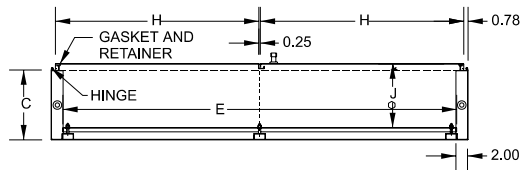
Front View
(Shown with Feet)



Section X-X



Stiffener Layout



Section Y-Y

With Feet Part No.	Without Feet Part No.	A	B	C	Body Gauge	Panel Gauge	Panel Size		F	G	H	J	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
1422B16F	1422B16	60.13	48.06	16.69	12	10	56	44	8.03	58.25	23.13	15.96	520
1422D16F	1422D16	60.13	60.06	16.69	12	10	56	56	8.03	58.25	29.13	15.96	540
1422E16F	1422E16	72.13	60.06	16.69	12	10	68	56	8.03	70.25	29.13	15.96	740
1422F16F	1422F16	72.13	72.06	16.69	12	10	68	68	8.03	70.25	35.13	15.96	795
1422B20F	1422B20	60.13	48.06	20.69	12	10	56	44	10.03	58.25	23.13	19.96	506
1422E20F	1422E20	72.13	60.06	20.69	12	10	68	56	10.03	70.25	29.13	19.96	750
1422F20F	1422F20	72.13	72.06	20.69	12	10	68	68	10.03	70.25	35.13	19.96	885
1422B24F	1422B24	60.13	48.06	24.69	12	10	56	44	12.03	58.25	23.13	23.96	550
1422D24F	1422D24	60.13	60.06	24.69	12	10	56	56	12.03	58.25	29.13	23.96	660
1422E24F	1422E24	72.13	60.06	24.69	12	10	68	56	12.03	70.25	29.13	23.96	810
1422F24F	1422F24	72.13	72.06	24.69	12	10	68	68	12.03	70.25	35.13	23.96	945

Industrial Enclosures Floormount Enclosures

1422 Series Two Door Floormount Enclosures - NEMA 4

Continuous Hinge, Clamped Doors

Industrial Enclosures

Floormount Enclosures



Application

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

Standards

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

Construction

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

Finish

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

Accessories

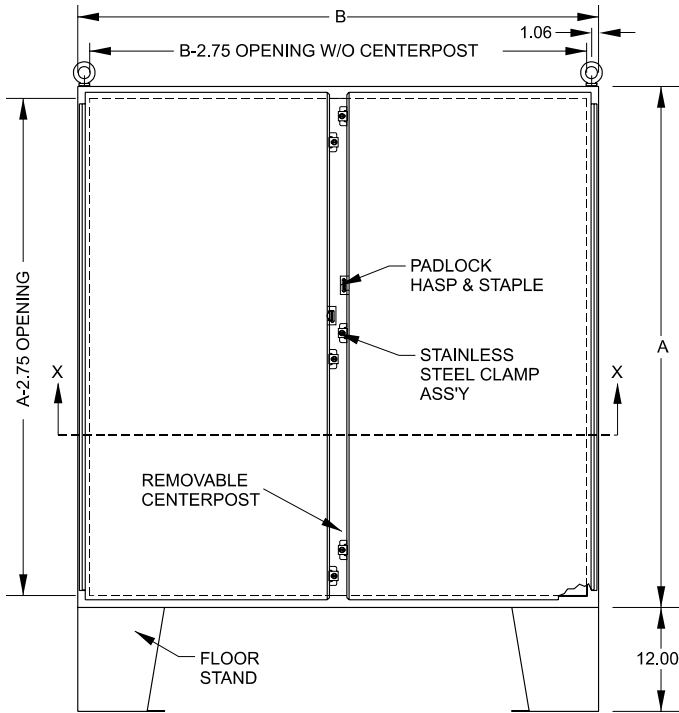
- Air conditioners...see page **387-405**
- Blowers...see page **406**
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- Gland plates...see page **441**
- Heaters...see page **418-420**
- Inner Panels...see page **434**
- Light kit...see page **447**
- Louvered ventilating plates
...see page **450**
- Thermostats...see page **421**
- Window kits...see page **444**

1422 Series Two Door Floormount Enclosures - NEMA 4

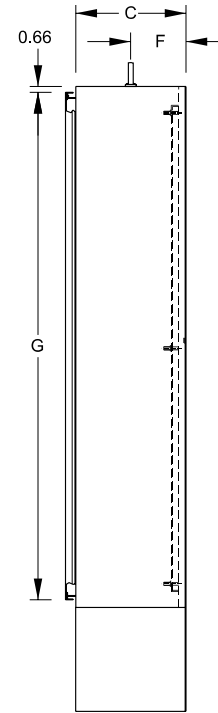
Continuous Hinge, Clamped Doors

Industrial Enclosures

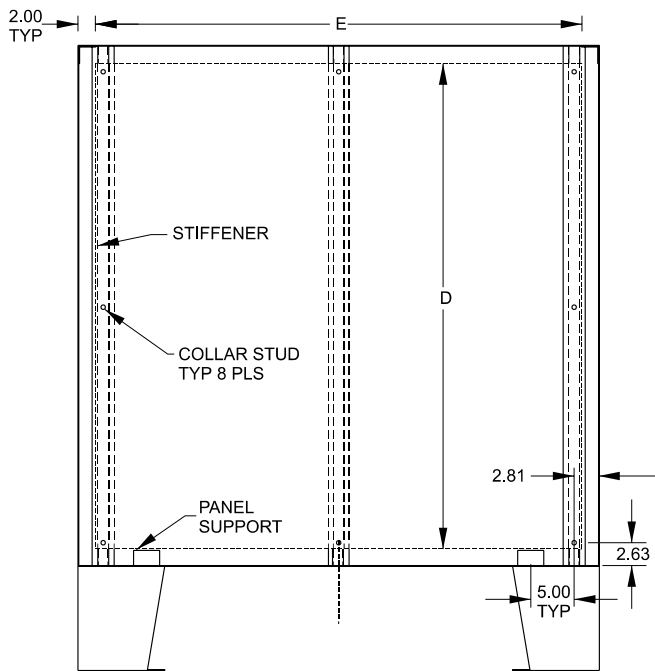
Floormount Enclosures



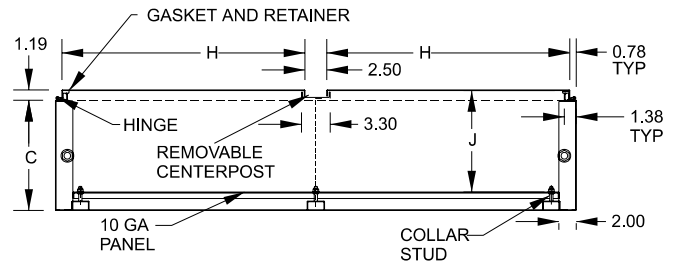
Front View



Side View



View with Doors Open



Section X-X

Part No.	A	B	C	Body Gauge	Panel Gauge	Panel Size		F	G	H	J	Ship Wt. lbs.
1422N4B10F	60.13	48.06	10.69	12	10	56	44	5.3	58.59	22	9.87	475
1422N4D12F	60.13	60.06	12.69	12	10	56	56	6.3	58.59	28	11.87	567
1422N4E12F	72.13	60.06	12.69	12	10	68	56	6.3	70.59	28	11.87	645
1422N4F12F	72.13	72.06	12.69	12	10	68	68	6.3	70.59	34	11.87	750
1422N4F24F	72.13	72.06	24.69	12	10	68	68	12.3	70.59	34	23.87	945

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

All dimensions in inches unless specified otherwise

Quality Enclosures. Service Excellence.

1418 Series Single Door Freestanding Enclosures - NEMA 12

Single or Dual Access

Industrial Enclosures

Freestanding Enclosures



Panel
Sold
Separately



Application

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

Standards

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

Construction

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

Finish

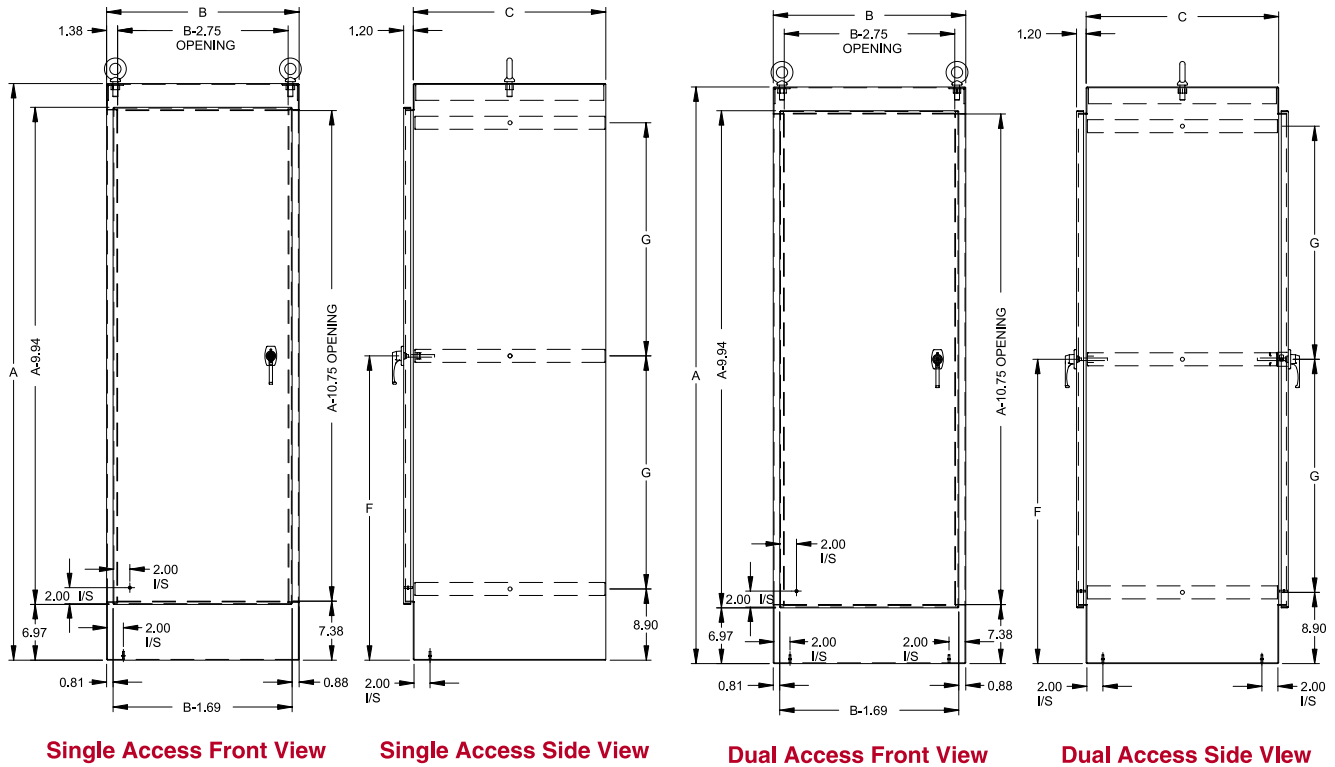
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Optional inner panels, rails, frames and supports are finished in white powder coating.

Accessories

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

1418 Series Single Door Freestanding Enclosures - NEMA 12

Single or Dual Access



Single Access Front View

Single Access Side View

Dual Access Front View

Dual Access Side View

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

Single Access

Part No.	A	B	C	F	G	Opt'l Full Panel ¹	Ship Wt. lbs.
1418TW18	60.06	24.06	18.06	32.03	23.13	60TWF	210
1418W18	72.06	24.06	18.06	38.03	29.13	72WFW	246
1418X18	72.06	30.06	18.06	38.03	29.13	72XFW	285
1418Y18	72.06	36.06	18.06	38.03	29.13	72YFW	325
1418YW20	90.06	24.06	20.06	47.03	38.13	90YFW	313
1418YY20	90.06	36.06	20.06	47.03	38.13	90YFW	406
1418TY24	60.06	36.06	24.06	32.03	23.13	60TYFW	325
1418W24	72.06	24.06	24.06	38.03	29.13	72WFW	300
1418X24	72.06	30.06	24.06	38.03	29.13	72XFW	335
1418Y24	72.06	36.06	24.06	38.03	29.13	72YFW	370
1418YY24	90.06	36.06	24.06	47.03	38.13	90YFW	440
1418W30	72.06	24.06	30.06	38.03	29.13	72WFW	355
1418Y30	72.06	36.06	30.06	38.03	29.13	72YFW	420
1418W36	72.06	24.06	36.06	38.03	29.13	72WFW	400
1418Y36	72.06	36.06	36.06	38.03	29.13	72YFW	465
1418YY36	90.06	36.06	36.06	47.03	38.13	90YFW	525

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

Dual Access

Part No.	A	B	C	F	G	Opt'l Full Panel ¹	Ship Wt. lbs.
1418WD24	72.06	24.06	24.06	38.03	29.13	72WFW	325
1418XD24	72.06	30.06	24.06	38.03	29.13	72XFW	424
1418YD24	72.06	36.06	24.06	38.03	29.13	72YFW	474
1418YYD24	90.06	36.06	24.06	47.03	38.13	90YFW	540
1418WD30	72.06	24.06	30.06	38.03	29.13	72WFW	375
1418WD36	72.06	24.06	36.06	38.03	29.13	72WFW	425
1418YD36	72.06	36.06	36.06	38.03	29.13	72YFW	495
1418YYD36	90.06	36.06	36.06	47.03	38.13	90YFW	555

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

Maximum Useable Depth

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

Enclosure Depth (In.)	Maximum Usable Depth
18.06	17.80
20.06	19.80
24.06	23.80
30.06	29.80
36.06	35.80

1418 N4 Series Freestanding Enclosures - NEMA 4

Single Door

Industrial Enclosures

Freestanding Enclosures



Panel
Sold
Separately.



Application

- Designed to house electrical, electronic, hydraulic or pneumatic controls with provision for panel mounting or rack mounting of equipment.
- Provides protection where equipment may be hosed down or otherwise be very wet, or in specific applications where corrosion is a serious problem.
- A variety of inner panels, rack mounting rails and swing out frames are available to provide flexibility in mounting arrangements.

Standards

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

Construction

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

Finish

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

Accessories

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

1418 Series Two Door Freestanding Enclosures - NEMA 12

Single or Dual Access

Industrial Enclosures

Freestanding Enclosures



Panel
Sold
Separately



Application

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

Standards

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

Construction

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

Finish

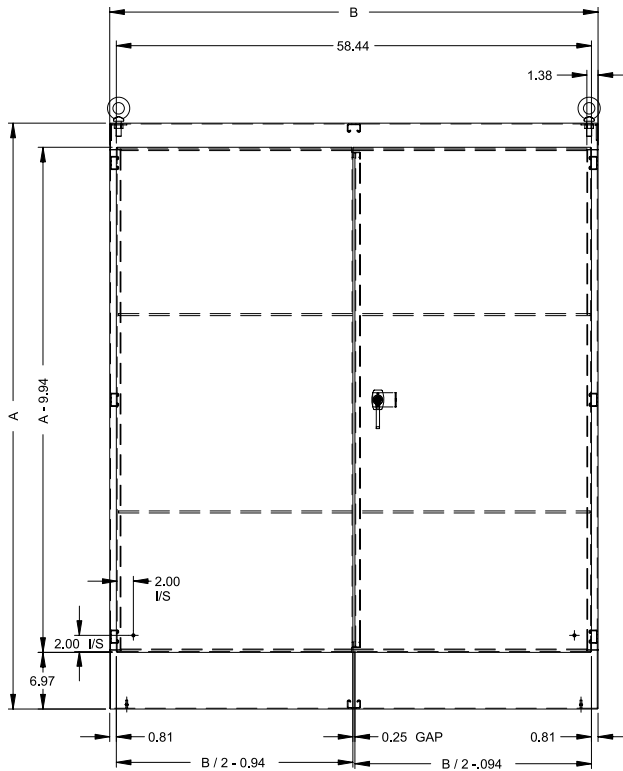
- Cover and enclosure are finished in recoatable smooth ANSI 61 gray powder coating on the outside, with white powder coating on the inside.
- Optional inner panels, rails, frames and supports are finished in white powder coating.

Accessories

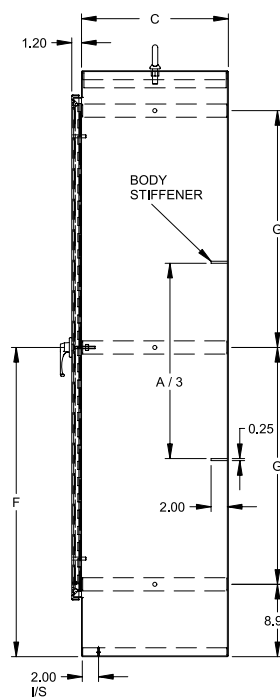
- Air conditioners...see page **387-405**
- Blowers...see page **406**
- Breather kits...see page **423**
- Center panel support...see page **48**
- Door stop kits...see page **447**
- Drip shield kits...see page **447**
- Enclosure stabilizers...see page **451**
- Filter fans...see page **408-413**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

1418 Series Two Door Freestanding Enclosures - NEMA 12

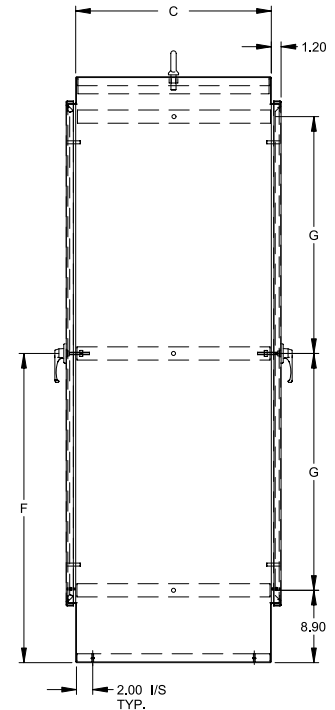
Single or Dual Access



Single or Dual Access - Front View



Single Access - Side View



Dual Access - Side View

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

Single Access

Part No.	A	B	C	F	G	Optional Full Panel ¹	Ship Wt. lbs.
1418AW18	60.06	48.06	18.06	32.03	23.13	60AWFW	550
1418ZW18	72.06	48.06	18.06	38.03	29.13	72ZWFW	575
1418ZX18	72.06	60.06	18.06	38.03	29.13	72ZXFW	625
1418ZY18	72.06	72.06	18.06	38.03	29.13	72ZYFW	700
1418BW20	90.06	48.06	20.06	47.03	38.13	90BWFW	650
1418BY20	90.06	72.06	20.06	47.03	38.13	90BYFW	900
1418BY24	90.06	72.06	24.06	47.03	38.13	90BYFW	950
1418ZW24	72.06	48.06	24.06	38.03	29.13	72ZWFW	600
1418ZX24	72.06	60.06	24.06	38.03	29.13	72ZXFW	650
1418ZY24	72.06	72.06	24.06	38.03	29.13	72ZYFW	740
1418ZX36	72.06	60.06	36.06	38.03	29.13	72ZXFW	850
1418BY36	90.06	72.06	36.06	47.03	38.13	90BYFW	1100

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

Dual Access

Part No.	A	B	C	F	G	Optional Full Panel ¹	Ship Wt. lbs.
1418ZWD24	72.06	48.06	24.06	38.03	29.13	72ZWFW	625
1418ZXD24	72.06	60.06	24.06	38.03	29.13	72ZXFW	650
1418ZYD24	72.06	72.06	24.06	38.03	29.13	72ZYFW	725
1418BYD24	90.06	72.06	24.06	47.03	38.13	90BYFW	1000
1418ZXD36	72.06	60.06	36.06	38.03	29.13	72ZXFW	900

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

1418 Series Freestanding Enclosures - NEMA 4, 12

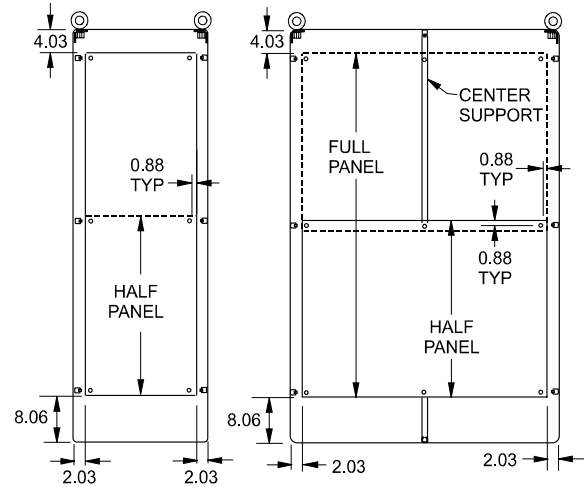
Accessories

Industrial Enclosures

Freestanding Enclosures

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.



Front View
Single Door

Front View
Double Door

Single Door Width Panels

Part No.	Description	Enclosure	Panel Size
60TWF	Full Panel	60 x 24	48.00 x 20
60TWH	Half Panel		24.87 x 20
72WF	Full Panel	72 x 24	60.00 x 20
72WH	Half Panel		30.87 x 20
90YWF	Full Panel	90 x 24	78.00 x 20
90YWH	Half Panel		39.87 x 20
72XF	Full Panel	72 x 30	60.00 x 26
72XH	Half Panel		30.87 x 26
60TYF	Full Panel	60 x 36	48.00 x 32
60TYH	Half Panel		24.87 x 32
72YF	Full Panel	72 x 36	60.00 x 32
72YH	Half Panel		30.87 x 32
90YF	Full Panel	90 x 36	78.00 x 32
90YH	Half Panel		39.87 x 32

Double Door Width Panels

Part No.	Description	Enclosure	Panel Size
60AWF	Full Panel	60 x 48	48.00 x 44
60AWH	Half Panel		24.88 x 44
72ZWF	Full Panel	72 x 48	60.00 x 44
72ZWH	Half Panel		30.88 x 44
72ZXF	Full Panel	72 x 60	60.00 x 56
72ZXH	Half Panel		30.88 x 56
72ZYF	Full Panel	72 x 72	60.00 x 68
72ZYH	Half Panel		30.88 x 68
90BWF	Full Panel	90 x 48	78.00 x 44
90BWH	Half Panel		39.88 x 44
90BYF	Full Panel	90 x 72	78.00 x 68
90BYH	Half Panel		39.88 x 68

Depth Panels

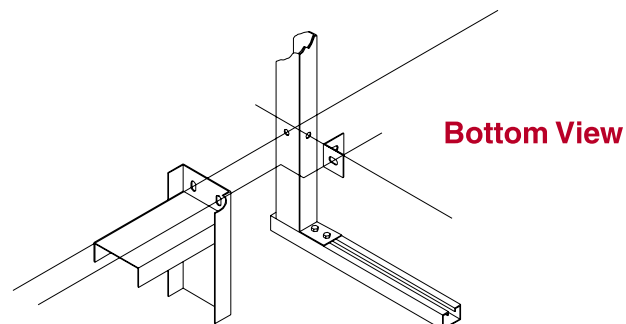
Part No.	Encl. Height	Encl. Panel Panel		
		Min Depth	W	H
60FD14	60	18	14	48
72FD9	72	18	9	60
72FD14	72	18	14	60
72FD20	72	24	20	60
72FD26	72	36	26	60
90FD9	90	18	9	78
90FD14	90	18	14	78
90FD20	90	24	20	78
90FD26	90	36	26	78

Side Mounted Panels for Single and Double Door Enclosures

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.

Part No.	Enclosure Ht.
1418ACS	60
1418ZCS	72
1418BCS	90



Bottom View

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

All dimensions in inches unless specified otherwise

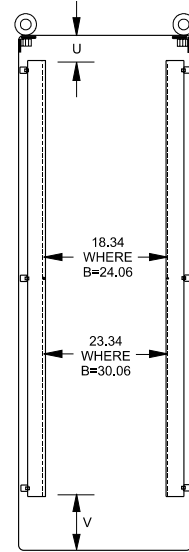
1418 Series Freestanding Enclosures - NEMA 4, 12

Accessories

Panel Rails

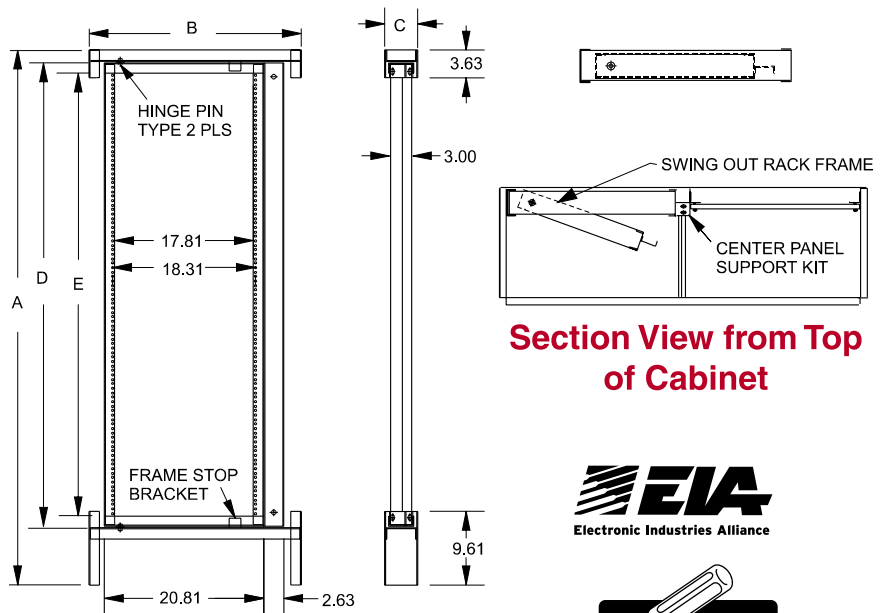
- Provides 19" or 24" mounting capability.
- Sold in **pairs**.
- Formed from 10 gauge steel.
- Drilled and tapped 10-32 to EIA spacing of 0.5" - 0.63" - 0.63" - 0.5".
- Finished in white.

Part No.	Panel Description	Enclosure	Width	Panel Height	U	V
1418TFHP	Full Height	60 x 24	19	49.00	3.78	7.78
1418THHP	Half Height			26.25	3.59	7.59
1418WFHP	Full Height	72 x 24	19	61.25	3.66	7.66
1418WHHP	Half Height			31.50	3.97	7.67
1418XFHP	Full Height	72 x 30	24	61.25	3.66	7.66
1418XHHP	Half Height			31.50	3.97	7.67
1418YYFHP	Full Height	90 x 24	19	78.75	3.91	7.91
1418YYHHP	Half Height			40.25	4.09	8.09



Swing Out Frames For 19" Rack Mounting

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



Section View from Top of Cabinet



Part No.	A	B	C	D	E	Enclosure Height	Width Single Door	Width Double Door	Center Support
1418SFYY	87.86	33.72	4.28	78.5	75.31	90	36	72	1418 BCS
1418SFY	69.86	33.72	4.28	60.5	57.81	72	36	72	1418 ZCS
1418SFX	69.86	27.72	4.28	60.5	57.81	72	30	60	1418 ZCS

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.

1422 MD Series Multiple Door Enclosures - NEMA 12

Continuous Hinge, Padlockable Doors

Industrial Enclosures

Freestanding Enclosures



**Inner
Panel
Included**



Application

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

Standards

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

Construction

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

Construction...cont'd

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

Finish

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

Accessories

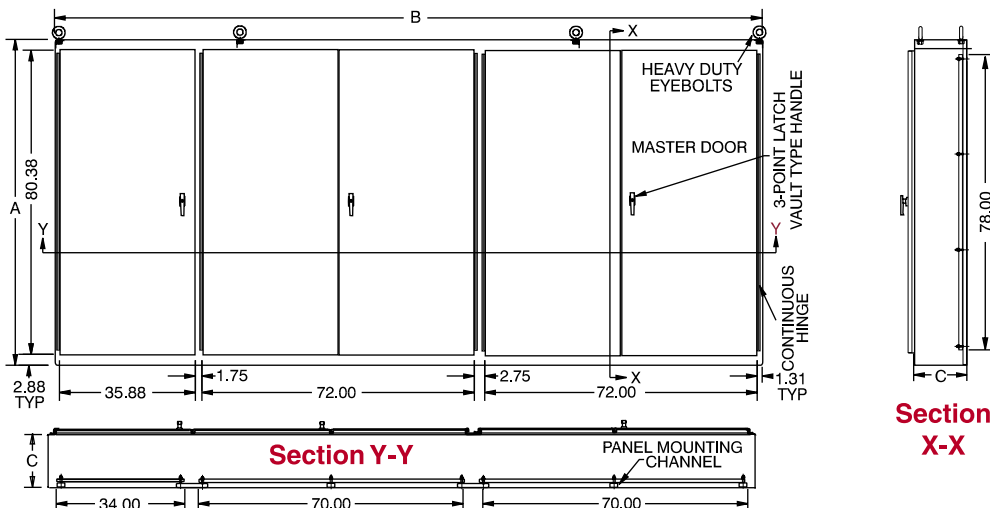
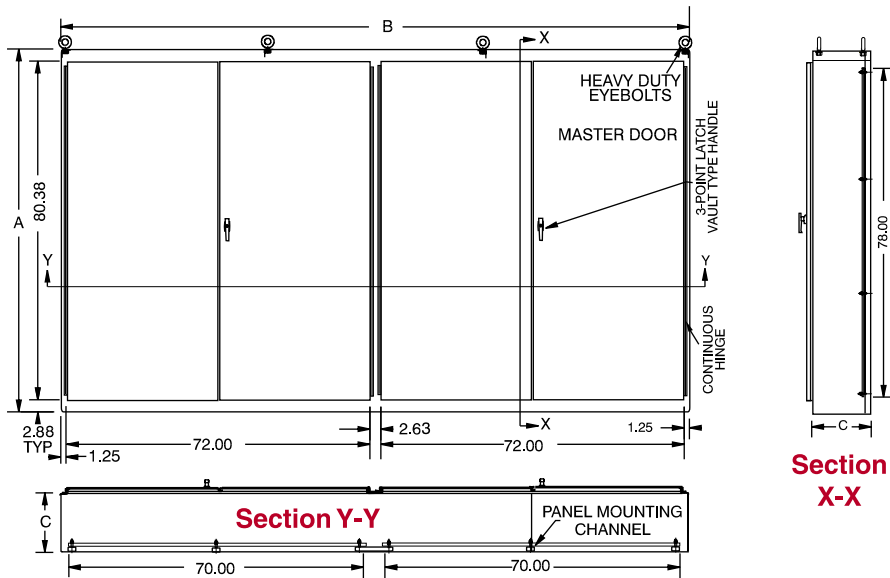
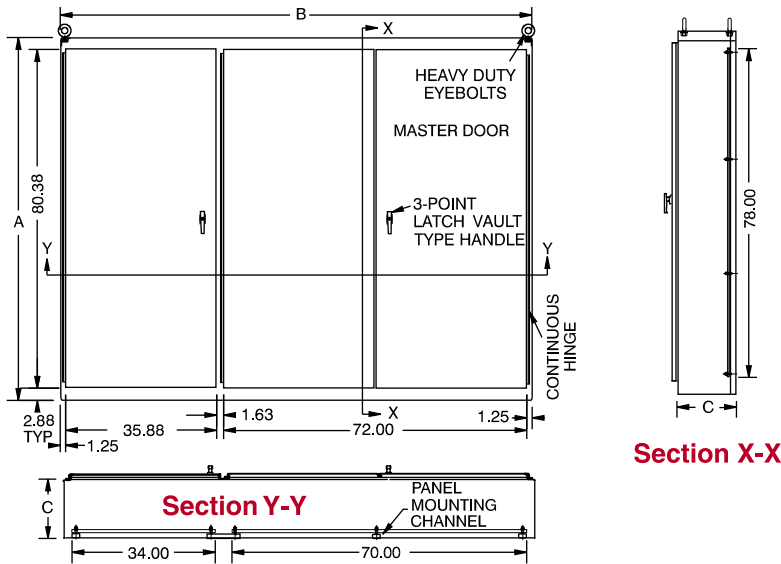
- Air conditioners...see page **387-405**
- Blowers...see page **406**
- Breather kits...see page **423**
- Door stop kits...see page **447**
- Filter fans...see page **408-413**
- Gland plates...see page **441**
- Heaters...see page **418-420**
- Louvered ventilating plates...see page **450**
- Thermostats...see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

Part No.	A	B	C	Ship Wt. lbs.
1422MD3	86.12	112.00	14.12	1850
1422MD4	86.12	149.12	14.12	2270
1422MD5	86.12	187.00	14.12	2900

1422 MD Series Multiple Door Enclosures - NEMA 12

Continuous Hinge, Padlockable Doors

Industrial Enclosures Freestanding Enclosures



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

All dimensions in inches unless specified otherwise

Quality Enclosures. Service Excellence.