

# N1A Series Panel Enclosure

Non-Ventilated - NEMA 1

Commercial Enclosures



Inner  
Panel  
Included



## Application

- Designed for indoor use to house controls, instruments and components not requiring oil-tight or dust-tight protection.

## Standards

- UL 50 Type 1
- CSA Type 1
- **Complies with**
  - NEMA Type 1
  - IEC 60529, IP20

## Construction

- Enclosure is formed and spot welded from 12 or 14 gauge steel.
- Removable 12 or 14 gauge inner panel is mounted in the rear of the enclosure on collar studs.
- Removable door is mounted on slip hinges.
- Door is fastened with a slotted quarter turn latch; doors 30" and higher are provided with two latches.
- A bonding stud is provided on the door and a grounding stud is provided in the box.
- Mounting holes are provided in the rear of the enclosure.
- Piano hinge on 12 gauge units

## Finish

- Enclosure and door are finished in ANSI 61 gray powder coating.
- Inner panel is finished in white powder coating.

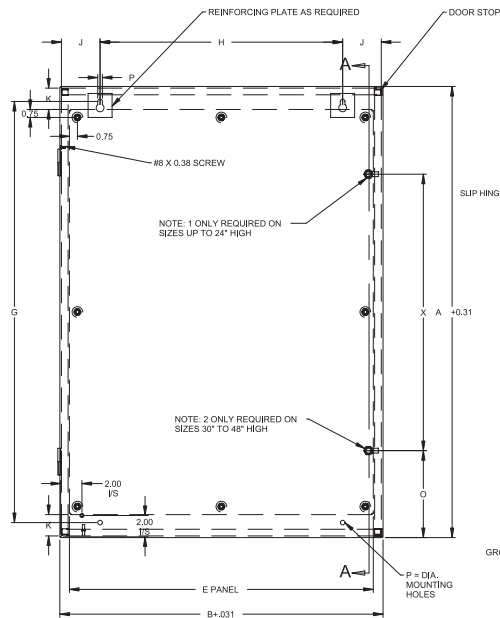
## Accessories

- Additional inner panels...see page **438**
- Lock kit for NEMA 1 enclosures (Part No. **1427LKN1**)...see page **431**
- Louvered ventilating plates  
...see page **402**
- Window kits...see page **449**
- Padlock Adaptor...see page **435**

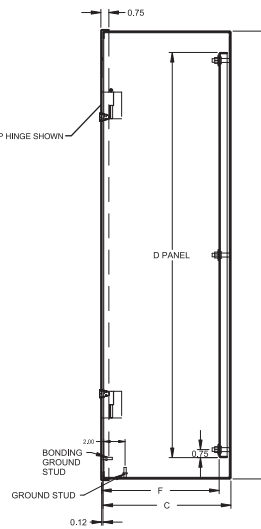
Panel Enclosures

# N1A Series Panel Enclosure

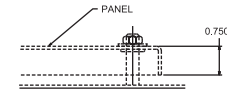
## Non-Ventilated - NEMA 1



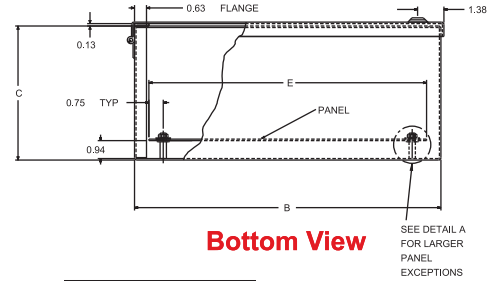
**Front View**



**Side View**



**Detail A**  
Typ. for N1A423012,  
N1A423612  
and N1A483612



**Bottom View**

| When A= | X=    |
|---------|-------|
| 30      | 18.00 |
| 36      | 22.00 |
| 42      | 26.00 |
| 48      | 30.00 |

| Part No.               | Dimensions |    |    | Panel Size |       | Panel Gauge | No. of Studs | Mounting Dimensions |       |      |      |      | Panel Clearance |     |      |     | Ship Wt. lbs |
|------------------------|------------|----|----|------------|-------|-------------|--------------|---------------------|-------|------|------|------|-----------------|-----|------|-----|--------------|
|                        | A          | B  | C  | D          | E     |             |              | G                   | H     | J    | Q    | P    | F               | K   | O    |     |              |
| N1A16127               | 16         | 12 | 7  | 13         | 10.50 | 14          | 4            | 13.88               | 7.00  | 2.50 | 1.06 | 0.31 | 6.04            | 1.5 | —    | 25  |              |
| N1A16167               | 16         | 16 | 7  | 13         | 14.50 | 14          | 4            | 13.88               | 11.00 | 2.50 | 1.06 | 0.31 | 6.04            | 1.5 | —    | 30  |              |
| N1A16207               | 16         | 20 | 7  | 13         | 18.50 | 14          | 4            | 13.88               | 15.00 | 2.50 | 1.06 | 0.31 | 6.04            | 1.5 | —    | 36  |              |
| N1A20167               | 20         | 16 | 7  | 17         | 14.50 | 14          | 4            | 17.88               | 11.00 | 2.50 | 1.06 | 0.31 | 6.04            | 1.5 | —    | 37  |              |
| N1A20207               | 20         | 20 | 7  | 17         | 18.50 | 14          | 4            | 17.88               | 15.00 | 2.50 | 1.06 | 0.31 | 6.04            | 1.5 | —    | 43  |              |
| N1A24167               | 24         | 16 | 7  | 21         | 14.50 | 14          | 4            | 21.88               | 11.00 | 2.50 | 1.06 | 0.31 | 6.04            | 1.5 | —    | 43  |              |
| N1A24207               | 24         | 20 | 7  | 21         | 18.50 | 14          | 4            | 21.88               | 15.00 | 2.50 | 1.06 | 0.31 | 6.04            | 1.5 | —    | 51  |              |
| N1A24247               | 24         | 24 | 7  | 21         | 22.50 | 12          | 4            | 21.88               | 19.00 | 2.50 | 1.06 | 0.31 | 6.01            | 1.5 | —    | 67  |              |
| N1A30207               | 30         | 20 | 7  | 26         | 18.50 | 12          | 6            | 27.50               | 12.75 | 3.63 | 1.25 | 0.44 | 6.01            | 2.0 | 6.16 | 67  |              |
| N1A30247               | 30         | 24 | 7  | 26         | 22.50 | 12          | 6            | 27.50               | 16.75 | 3.63 | 1.25 | 0.44 | 6.01            | 2.0 | 6.16 | 80  |              |
| N1A36247               | 36         | 24 | 7  | 32         | 22.50 | 12          | 6            | 33.50               | 16.75 | 3.63 | 1.25 | 0.44 | 6.01            | 2.0 | 7.16 | 94  |              |
| N1A36307               | 36         | 30 | 7  | 32         | 28.50 | 12          | 8            | 33.50               | 22.75 | 3.63 | 1.25 | 0.44 | 6.01            | 2.0 | 7.16 | 114 |              |
| N1A16129               | 16         | 12 | 9  | 13         | 10.50 | 14          | 4            | 13.88               | 7.00  | 2.50 | 1.06 | 0.31 | 8.04            | 1.5 | —    | 27  |              |
| N1A20169               | 20         | 16 | 9  | 17         | 14.50 | 14          | 4            | 17.88               | 11.00 | 2.50 | 1.06 | 0.31 | 8.04            | 1.5 | —    | 31  |              |
| N1A20209               | 20         | 20 | 9  | 17         | 18.50 | 14          | 4            | 17.88               | 15.00 | 2.50 | 1.06 | 0.31 | 8.04            | 1.5 | —    | 47  |              |
| N1A20249               | 20         | 24 | 9  | 17         | 22.50 | 14          | 4            | 17.88               | 19.00 | 2.50 | 1.06 | 0.31 | 8.04            | 1.5 | —    | 55  |              |
| N1A24209               | 24         | 20 | 9  | 21         | 18.50 | 14          | 4            | 21.88               | 15.00 | 2.50 | 1.06 | 0.31 | 8.04            | 1.5 | —    | 55  |              |
| N1A24249               | 24         | 24 | 9  | 21         | 22.50 | 12          | 4            | 21.88               | 19.00 | 2.50 | 1.06 | 0.31 | 8.01            | 1.5 | —    | 125 |              |
| N1A30209               | 30         | 20 | 9  | 26         | 18.50 | 12          | 6            | 27.50               | 12.75 | 3.63 | 1.25 | 0.44 | 8.01            | 2.0 | 6.16 | 72  |              |
| N1A30249               | 30         | 24 | 9  | 26         | 22.50 | 12          | 6            | 27.50               | 16.75 | 3.63 | 1.25 | 0.44 | 8.01            | 2.0 | 6.16 | 85  |              |
| N1A30309               | 30         | 30 | 9  | 26         | 28.50 | 12          | 8            | 27.50               | 22.75 | 3.63 | 1.25 | 0.44 | 8.01            | 2.0 | 6.16 | 102 |              |
| N1A36249               | 36         | 24 | 9  | 32         | 22.50 | 12          | 6            | 33.50               | 16.75 | 3.63 | 1.25 | 0.44 | 8.01            | 2.0 | 7.16 | 107 |              |
| N1A36309               | 36         | 30 | 9  | 32         | 28.50 | 12          | 8            | 33.50               | 22.75 | 3.63 | 1.25 | 0.44 | 8.01            | 2.0 | 7.16 | 120 |              |
| N1A42249               | 42         | 24 | 9  | 38         | 22.50 | 12          | 6            | 39.50               | 16.75 | 3.63 | 1.25 | 0.44 | 8.01            | 2.0 | 8.16 | 111 |              |
| N1A242012              | 24         | 20 | 12 | 21         | 18.50 | 14          | 4            | 21.88               | 15.00 | 2.50 | 1.06 | 0.31 | 11.04           | 1.5 | —    | 61  |              |
| N1A242412              | 24         | 24 | 12 | 21         | 22.50 | 12          | 4            | 21.88               | 19.00 | 2.50 | 1.06 | 0.31 | 11.01           | 1.5 | —    | 132 |              |
| N1A302412              | 30         | 24 | 12 | 26         | 22.50 | 12          | 6            | 27.50               | 16.75 | 3.63 | 1.25 | 0.44 | 11.01           | 2.0 | 6.16 | 94  |              |
| N1A363012              | 36         | 30 | 12 | 32         | 28.50 | 12          | 8            | 33.50               | 22.75 | 3.63 | 1.25 | 0.44 | 11.01           | 2.0 | 7.16 | 129 |              |
| N1A423012 <sup>1</sup> | 42         | 30 | 12 | 38         | 28.50 | 12          | 8            | 39.50               | 22.75 | 3.63 | 1.25 | 0.44 | 11.01           | 2.0 | 8.16 | 144 |              |
| N1A423612 <sup>1</sup> | 42         | 36 | 12 | 38         | 34.50 | 12          | 8            | 39.50               | 28.75 | 3.63 | 1.25 | 0.44 | 11.01           | 2.0 | 8.16 | 169 |              |
| N1A483612 <sup>1</sup> | 48         | 36 | 12 | 44         | 34.50 | 12          | 8            | 45.50               | 28.75 | 3.63 | 1.25 | 0.44 | 11.01           | 2.0 | 9.16 | 197 |              |

<sup>1</sup> 12 gauge construction

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