

## 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 marked<sup>1</sup>
  - 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.

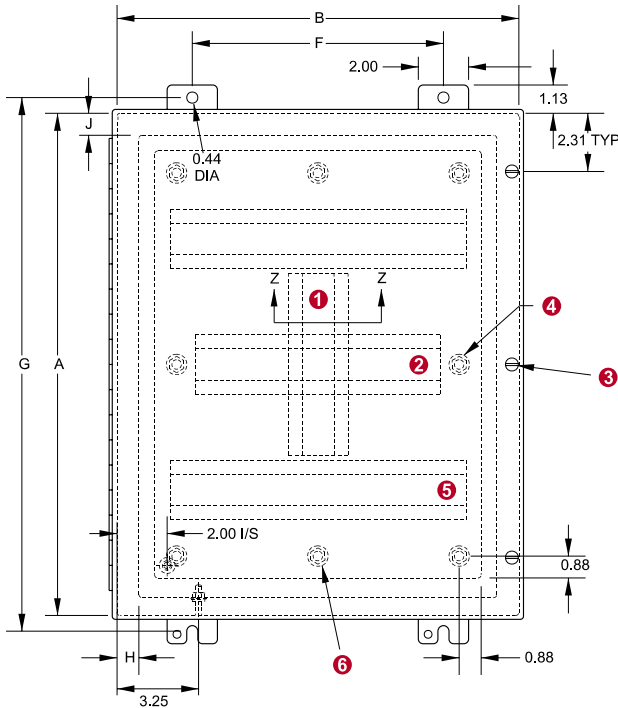
### Accessories

- 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**

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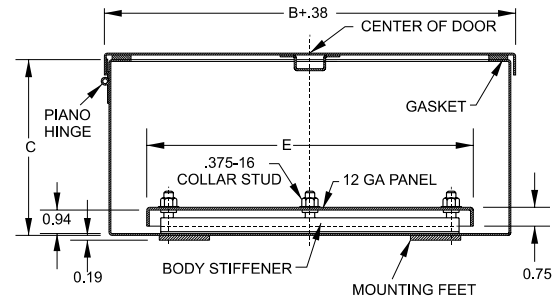
Industrial Enclosures

Junction Boxes

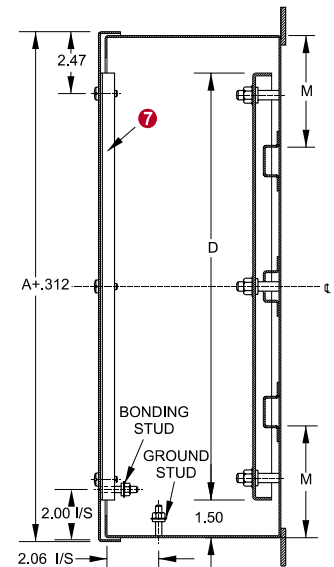


**Front View**

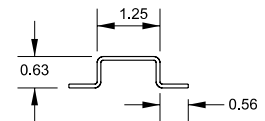
- ① Vertical body stiffener req'd on M only
- ② Omit if center body stiffener if A is less than 41"
- ③ Omit if A is less than 31"
- ④ Omit 2 center studs if A is less than 31"
- ⑤ Omit body stiffeners if B is less than 29"
- ⑥ Omit 2 middle studs if B is less than 31"
- ⑦ Omit door stiffener if A or B is 24" or less



**Top View**



**Side View**



**Section Z-Z**

| Part No.              | A  | B  | C  | Panel Dimensions<br>D | E  | F  | G     | H    | J    | Ship Wt.<br>lbs |
|-----------------------|----|----|----|-----------------------|----|----|-------|------|------|-----------------|
| 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 <sup>1</sup>  | 42 | 30 | 9  | 39                    | 27 | 24 | 43.25 | 1.38 | 1.38 | 137             |
| 1418JP9 <sup>1</sup>  | 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 <sup>1</sup> | 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             |

<sup>1</sup> Does not meet JIC requirements

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