



NEMA Enclosure Rating Chart

NEMA = North American Equipment Manufacturers Association

Indoor, Non-Hazardous Location Ratings:

| Provides a Degree of Protection Against the Following Conditions | Type of Enclosure | | | | | | | | | |
|---|-------------------|---|---|----|---|---|----|----|-----|----|
| | 1 | 2 | 4 | 4X | 5 | 6 | 6P | 12 | 12K | 13 |
| Access to Hazardous Parts | X | X | X | X | X | X | X | X | X | X |
| Ingress of Solid Foreign Objects (Falling Dirt) | X | X | X | X | X | X | X | X | X | X |
| Ingress of Water (Dripping and Light Splashing) | - | X | X | X | X | X | X | X | X | X |
| Ingress of Solid Foreign Objects (Circulating Dust, Lint, Fibers, and Flyings) | - | - | X | X | - | X | X | X | X | X |
| Ingress of Solid Foreign Objects (Settling Airborne Dust, Lint, Fibers, and Flyings) | - | - | X | X | X | X | X | X | X | X |
| Ingress of Water (Hosedown and Splashing Water) | - | - | X | X | - | X | X | - | - | - |
| Oil and Coolant Seepage | - | - | - | - | - | - | - | X | X | X |
| Oil or Coolant Spraying and Splashing | - | - | - | - | - | - | - | - | - | X |
| Corrosive Agents | - | - | - | X | - | - | X | - | - | - |
| Ingress of Water (Occasional Temporary Submersion) | - | - | - | - | - | X | X | - | - | - |
| Ingress of Water (Occasional Prolonged Submersion) | - | - | - | - | - | - | X | - | - | - |

Outdoor, Non-Hazardous Location Ratings:

| Provides a Degree of Protection Against the Following Conditions | Type of Enclosure | | | | | | | | | |
|---|-------------------|----|----|-----|----|-----|---|----|---|----|
| | 3 | 3X | 3R | 3RX | 3S | 3SX | 4 | 4X | 6 | 6P |
| Access to Hazardous Parts | X | X | X | X | X | X | X | X | X | X |
| Ingress of Solid Foreign Objects (Falling Dirt) | X | X | X | X | X | X | X | X | X | X |
| Ingress of Water (Dripping and Light Splashing) | X | X | X | X | X | X | X | X | X | X |
| Ingress of Water (Rain, Snow, and Sleet) | X | X | X | X | X | X | X | X | X | X |
| Sleet (Operating mechanisms work with ice) | - | - | - | - | X | X | - | - | - | - |
| Ingress of Solid Foreign Objects (Windblown Dust, Lint, Fibers, and Flyings) | X | X | - | - | X | X | X | X | X | X |
| Ingress of Water (Hosedown and Splashing Water) | - | - | - | - | - | - | X | X | X | X |
| Corrosive Agents | - | X | - | X | - | X | - | X | - | X |
| Ingress of Water (Occasional Temporary Submersion) | - | - | - | - | - | - | - | - | X | X |
| Ingress of Water (Occasional Prolonged Submersion) | - | - | - | - | - | - | - | - | - | X |

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