



+ NEMA RATINGS

EXPLANATION OF NEMA TYPE ENCLOSURES

Comparison of Specific Applications of Enclosures for Indoor Nonhazardous (non-classified) Locations

NEMA Standards Publication 250-2008, Table 2-1

PROVIDES A DEGREE OF PROTECTION AGAINST THE FOLLOWING CONDITIONS	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, fibers, and flyings**)	X	X	...	X	X	X	X	X
Ingress of solid foreign objects (Airborne dust, 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	...	...	...

* These enclosures may be ventilated.

** These fibers and flyings are nonhazardous materials and are not considered Class III type ignitable fibers or combustible flyings.

*** For Class III type ignitable fibers or combustible flyings see the National Electrical Code, Article 500.

Comparison of Specific Applications of Enclosures for Indoor & Outdoor Nonhazardous (non-classified) Locations

NEMA Standards Publication 250-2008, Table 2-2

PROVIDES A DEGREE OF PROTECTION AGAINST THE FOLLOWING CONDITIONS	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***	...	...	...	...	X	X	...	...	...	...
Ingress of solid foreign objects (Windblown dust, 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	...	X

* These enclosures may be ventilated.

** External operating mechanisms are not required to be operable when the enclosure is ice covered.

*** External operating mechanisms are operable when the enclosure is ice covered.