

# NEMA Characteristics Table

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 and coolant spraying and splashing	..	..	..	..	..	..	..	..	..	X
Corrosive Agents	..	..	..	..	..	..	..	X	X	X
Ingress of Water (Occasional temporary submersion)	..	..	..	..	..	X	X	..	..	..
Ingress of Water (Occasional prolonged submersion)	..	..	..	..	..	..	X	..	..	..

Source: [www.nema.org/Products/Documents/nema-enclosure-types.pdf](http://www.nema.org/Products/Documents/nema-enclosure-types.pdf)

\* 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.

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