> Table 8

NEMA CLASSIFICATIONS	
I (1)	General purpose
	Protects against indirect splashing of dust and light, but is not dust-tight; primarily prevents contact with live parts; used indoors and under normal atmospheric conditions.
II (2)	Drip tight
	Similar to Type I, with addition of drip shields or equivalent; used where condensation may be severe as in cooling rooms and laundries.
III (3)	Weather resistant
	Protects against weather hazards such as rain and sleet; used outdoors on ship docks, for construction work, and in tunnels and subways.
IV (4)	Watertight (weatherproof)
	Must exclude at least 65 gal./min (247 L/m) of water from 1-in. (25mm) nozzle delivered from a distance of not less than 10 ft. (3m) for 5 min. Used outdoors on ship docks, in dairies and in breweries.
V (4X)	Dust tight
	Provided with gaskets or equivalent to exclude dust; used in steel mills and cement plants.
VI (6)	Submersible
	Design depends on specified conditions of pressure and time; used for submersion in water, as in quarries, mines and manholes.
VII	Hazardous locations (explosive gas or vapor)
	Meets application requirements class I of National Electrical Code; conforms with specifications of Underwriters' Laboratories; used for atmosphere containing gasoline, hexane, naphtha, benzene, butane, propane, acetone, benzol, lacquer, solvent vapors and natural gas.
TYPE 8 ENCLOSURE	Enclosure Hazardous locations (oil-immersed)
	Type 8 enclosures are for indoor or outdoor use in locations classified as class I, Groups A, B, C or D as defined in the National Electrical Code.
TYPE 9 ENCLOSURE	Enclosure Hazardous locations (dust-ignition proof)
	Type 9 enclosures are for use in indoor locations classified as class II, Groups E, F and G as defined in National Electrical Code.
IX	Hazardous locations (combustible dust)
	Meets application requirements class II of National Electrical Code; conforms with specifications of Underwriters' Laboratories; used for atmospheres containing metal dusts, carbon black, coal or coke dusts, flour, starch or grain dusts.
NEMA provides equipment enclosure design criteria for devices.	