



PACIFIC MARINE & INDUSTRIAL®

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NEMA* Enclosure Standards for Electric Motors:

Drip-Proof

Ventilation openings in shield and/or frame prevents drops of liquid from falling into motor within up to 15 degree angle from vertical.

Designed for reasonably dry, clean, and well ventilated (usually indoors) areas. Outdoors installation require the motor to be protected with a cover that does not restrict the flow of air to the motor.

Totally Enclosed Air Over (TEAO)

Dust-tight fan and blower motors for shaft mounted fans or belt driven fans. The motors mounted within the airflow of the fan.

Totally Enclosed Non-Ventilated (TENV)

No ventilation openings, enclosed to prevent free exchange of air (not airtight). No external cooling fan, relies on convection cooling.

Suitable where the motor is exposed to dirt or dampness. Not suited in very moist humid or hazardous (explosive) air.

Totally Enclosed Fan Cooled (TEFC)

Same as TENV with an external fan as an integral part of the motor. The fan provides cooling by blowing air on the outside of the motor.

Totally Enclosed, Hostile and Severe Environment

Designed for use in extreme conditions - moist and/or chemical environments. Not for hazardous locations.

Totally Enclosed Blower Cooled

Same as TEFC with external fan on a power supply independent of the inverter output. Full cooling even at lower motor speeds.

Explosion-Proof Motors

See explosion proof NEMA reference here

*Check with NEMA for the latest information.