



NEMA ENCLOSURE RATINGS

Air conditioners typically carry an agency marking such as UL (Underwriters Laboratories), which designates the environmental hazard from which the contents are being protected. This marking should be matched to the enclosure to be cooled. Typical examples include NEMA 12, (indoor use, protection from dust and dripping liquids), NEMA 3R, (outdoor use and rainproof) and NEMA 4 (outdoor or indoor use, protection from wash-down) and NEMA 4X (corrosive environments). Kooltronic has the capability to meet the NEMA ratings in the chart below:

| Environments: | NEMA 1 | NEMA 12 | NEMA 3R | NEMA 4 | NEMA 4X |
|---|--------|---------|---------|--------|---------|
| Indoor use only | ✓ | ✓ | | | |
| Indoor and outdoor use | | | ✓ | ✓ | ✓ |
| Falling liquids and light splashing | | ✓ | ✓ | ✓ | ✓ |
| Non-hazardous dust, lint, fibers | | ✓ | | ✓ | ✓ |
| Washdowns and splashing water | | | | ✓ | ✓ |
| Oil and coolant seepage | | ✓ | | | |
| Corrosive agents | | | | | ✓ |
| Hazardous Location (Class I, Division 1 & 2) | | | | | ✓ |

Kooltronic offers cooling solutions for situations that fall under these NEMA ratings. We can develop a unique design to meet your particular requirements. Consult with Kooltronic's design and engineering staff to discuss your heat dissipation problems.

For more information on our thermal management products please visit:

kooltronic.com



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