

Evaporative cooler scope

This guidance material results from a request to clarify if a type of evaporative cooler is captured by the definition of an evaporative cooler in AS/NZS 4417.2 Appendix B.

Question

Are non-fixed Evaporative Coolers (for example: self-contained units on wheels you move around the house) within the definition of 'Evaporative cooler' as listed in AS/NZS 4417.2 Appendix B?

Class specifications in AS/NZS 4417.2 state the following:

B.2.22 Evaporative cooler

An electrical appliance that—

- a) is a device that cools air through evaporation of water;
- b) incorporates a fan for moving air; and
- c) is fixed with one or more vents.

Class specification:

AS/NZS 60335.2.98

Answer

Portable evaporative coolers do not fit within B.2.22 Evaporative coolers as they are portable devices not fixed devices.

Portable evaporative coolers do not fit within B.2.23 Fan as their primary function is cooling air rather than moving air.

Portable evaporative coolers are level 1 equipment. They were level 1 when the EESS was introduced and there has not been a reason to review their classification at this stage, fixed evaporative coolers were reviewed due to many fire incidents and they were reclassified as level 3.