

Australian/New Zealand Standard™

Performance of refrigerated beverage vending machines

Part 2: Minimum energy performance standard (MEPS) requirements



AS/NZS 4864.2:2008

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-008, Refrigerated Display Cabinets. It was approved on behalf of the Council of Standards Australia on 23 May 2008 and on behalf of the Council of Standards New Zealand on 31 May 2008.
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The following are represented on Committee ME-008:

Australian Food and Grocery Council
Australian Greenhouse Office, Department of the Environment and Heritage
Australian Industry Group
Australian Institute of Refrigeration Air Conditioning and Heating
Australian Retailers Association
Electrical Compliance Testing Association
Energy Efficiency and Conservation Authority of New Zealand
Engineers Australia
Food Science Australia
Food Standards Australia New Zealand
NSW Health Department
National Association of Retail Grocers of Australia
Refrigeration Air Conditioning Companies Association

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Technical Committee ME-008, Refrigerated Display Cabinets.

The objective of this Standard is to provide designers, manufacturers, importers, test laboratories, regulators and users of refrigerated beverage vending machines, with minimum energy performance standard (MEPS) requirements for these devices.

This Standard was prepared in response to the publication of a plan for the regulation of refrigerated beverage vending machines under the National Appliance and Equipment Energy Efficiency Program (NAEEEP) in 2005.

This series consists of 2 parts. These are:

AS/NZS

4864 Performance of refrigerated beverage vending machines

4864.1 Part 1: Test methods—Energy performance

4864.2 Part 2: Minimum energy performance standard (MEPS) requirements (this Standard)

Part 1 contains the test method for measuring the energy performance and test records of refrigerated beverage vending machines.

Part 2 specifies Minimum Energy Performance Standards (MEPS) and High Efficiency levels for refrigerated beverage vending machines. Regulatory authorities have advised that it is intended to mandate this Standard in regulations in Australia and New Zealand no earlier than 1 October 2009 (see also Clause 5.1.5).

Regulators advise that transitional arrangements, also known as grandfathering, exist for products that are manufactured in Australia or imported into Australia prior to the MEPS implementation date. Such products can continue to be sold without registration or MEPS compliance until stocks are exhausted. Products that are manufactured in Australia or imported after the MEPS implementation date must hold a valid registration at the time of sale which indicates compliance with the relevant MEPS requirements. Further information can be found in the Administrative Guidelines at the <http://www.energyrating.gov.au> website.

Administrative arrangements during the transition period may vary. Although it is expected that regulators will be able to call the requirements of this Standard into regulations by 1 October 2009, due to legislative variations in different jurisdictions, not all regulators may have regulations in place by that date. Suppliers should contact their regulator to obtain detailed requirements with respect to the application date for registration and holding of records.

This Standard is published with the approval of the combined state regulatory authorities and is structured to be suitable for reference in regulations. It refers to AS/NZS 4864.1 for test procedures.

The terms ‘normative’ and ‘informative’ are used in this Standard to define the application of the Appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is for information and guidance.

Statements expressed in mandatory terms in notes to figures, are deemed to be requirements of this Standard. ‘Shall’ indicates a requirement is mandatory, while ‘should’ indicates a recommendation and good practice.

CONTENTS

| | <i>Page</i> |
|---|-------------|
| 1 SCOPE AND GENERAL | 4 |
| 2 MINIMUM ENERGY PERFORMANCE STANDARDS..... | 5 |
| 3 HIGH EFFICIENCY LEVEL | 5 |
| 4 DETERMINING PERFORMANCE OF REFRIGERATED BEVERAGE VENDING MACHINES..... | 5 |
| 5 APPLICATION AND TEST REPORT FORMATS..... | 6 |
| APPENDIX A FORMAT OF APPLICATION FOR REGISTRATION OF REFRIGERATED BEVERAGE VENDING MACHINES FOR MEPS..... | 8 |

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
Performance of refrigerated beverage vending machines

Part 2: Minimum energy performance standard (MEPS) requirements

1 SCOPE AND GENERAL**1.1 Scope**

This Standard specifies minimum energy performance standard (MEPS) requirements for refrigerated beverage vending machines (see definition in AS/NZS 4864.1:2008).

This Standard further specifies the following:

- (a) Energy performance determination.
- (b) Definition of high efficiency units.
- (c) Application for registration and test report formats.

1.2 Exclusions

This Standard does not apply to the following machines:

- (a) Refrigerated machines that vend both beverages and snacks.
- (b) Combination machines that vend both hot and cold beverages.
- (c) Combination machines that vend hot and cold beverages and chilled snacks.

This Standard does not specify electrical safety requirements.

1.3 Application

This Standard shall be read in conjunction with AS/NZS 4864.1:2008.

1.4 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this Standard:

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| AS | |
| 2706 | Numerical values—Rounding and interpretation of limiting values |
| AS/NZS | |
| 4864 | Performance of refrigerated beverage vending machines |
| 4864.1 | Part 1: Test methods—Energy performance |
| IEC | |
| 60050-300 | International Electrotechnical Vocabulary—Electrical and electronic measurements and measuring instruments |
| IEEE | |
| 100 | The Authoritative Dictionary of IEEE Standards Terms |