

Australian Standard™

**Refrigerated display cabinets**

**Part 3: Linear dimensions, areas and volumes**



This Australian Standard was prepared by Committee ME-008, Refrigerated Display Cabinets. It was approved on behalf of the Council of Standards Australia on 26 September 2003.

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The following are represented on Committee ME-008:

Australian Greenhouse Office  
Australian Retailers Association  
Commercial Refrigeration Manufacturers Association of Australia  
Food Science Australia  
Institution of Engineers Australia  
Refrigeration Air Conditioning Companies Association

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Australian Standard™

## Refrigerated display cabinets

### Part 3: Linear dimensions, areas and volumes

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## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-008, Refrigerated display cabinets, to supersede AS 1731.3—2000, *Refrigerated display cabinets, Part 3: Linear dimensions, areas and volumes*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard.

*This Standard incorporates Amendment No. 1 (December 2005). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

This Standard is based on International Standard prEN ISO 23953-2:2003, *Refrigerated display cabinets, Part 2: Classification, requirements and test conditions*.

This Standard is Part 3 of a series of Standards for refrigerated display cabinets, as follows:

## AS

- 1731 Refrigerated display cabinets
- 1731.1 Part 1: Terms and definitions
- 1731.2 Part 2: General mechanical and physical requirements
- 1731.3 Part 3: Linear dimensions, areas and volumes (this Standard)
- 1731.4 Part 4: General test conditions
- 1731.5 Part 5: Temperature test
- 1731.6 Part 6: Classification according to temperatures
- 1731.7 Part 7: Defrosting test
- 1731.8 Part 8: Water vapour condensation test
- 1731.9 Part 9: Electrical energy consumption test
- 1731.10 Part 10: Test for absence of odour and taste
- 1731.11 Part 11: Installation maintenance and user guide
- 1731.12 Part 12: Measurement of heat extraction rate of the cabinets when the condensing unit is remote from the cabinet
- 1731.13 Part 13: Test reports
- 1731.14 Part 14: Minimum energy performance standard (MEPS) requirements

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STANDARDS AUSTRALIA

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**Refrigerated display cabinets**

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Part 3: Linear dimensions, areas and volumes

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## 1 SCOPE

### 1.1 Scope of Standard

A1 | This Standard specifies terminology, general mechanical and physical requirements, test conditions as well as installation and maintenance, for commercial refrigerators and freezers used for the sale or display of food products including beverages.

This Standard does not cover refrigerated vending machines, ice-makers, cabinets intended for use in catering and similar non-retail applications.

### 1.2 Scope of Part 3

This Part of AS 1731 defines the linear dimensions, areas and volumes for refrigerated display cabinets.

## 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

### AS

1731	Refrigerated display cabinets
1731.1	Part 1: Terms and definitions
1731.4	Part 4: General test conditions
1731.13	Part 13: Test report

## 3 OBJECTIVE

The objective of this Standard is to specify general linear dimensions, areas and volumes for refrigerated display cabinets, for use by manufacturers, suppliers, purchasers, operators and regulators of these systems.

## 4 PHYSICAL DIMENSIONS AND TOLERANCES

### 4.1 Physical dimensions

The manufacturer shall state for each cabinet the following nominal data according to the definitions given in AS 1731.1:

- (a) Overall external dimensions in installation.
- (b) Overall external dimensions in service.
- (c) Refrigerated shelf area.
- (d) Total display area.
- (e) Net volume.

Measurements shall be made with the cabinet not in operation but situated in ambient conditions corresponding to the climate class (see AS 1731.4) for which it is intended.