

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

[Save](#)

[Resource detail](#)
[Citations](#)

AS/NZS 4012:1999 Domestic solid fuel burning appliances - Method for determination of power output and efficiency

[View on Information Provider website](#)

Abbreviation

AS/NZS 4012:1999

Valid from

04/07/1999

Information provider

Standards New Zealand

Author

Standards New Zealand, Standards Australia

Information type

New Zealand Standard

Format

PDF

Cited By

[This resource is cited by 1 document \(show Citations\)](#)

Description

This Standard sets out a method for the determination of the average efficiency and average thermal power output from a batch-fed domestic solid fuel burning appliance.

For assistance with locating previous versions, please contact the information provider.

[View on Information Provider website](#)

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

AS/NZS 4012:1999 Domestic solid fuel burning appliances - Method for determination of power output and efficiency

This document is CITED BY:

- [AS/NZS 2918:2001](#)

Back

AS/NZS 4012:1999 Domestic solid fuel burning appliances - Method for determination of power output and efficiency

Show what documents this resource is CITED BY

Show what documents this resource CITES

Description

This Standard sets out a method for the determination of the average efficiency and average thermal power output from a batch-fed domestic solid fuel burning appliance.

[View on Information Provider website](#)

[AS/NZS 4012:1999 Domestic solid fuel burning appliances - Method for determination of power output and efficiency](#)

Description

This Standard sets out a method for the determination of the average efficiency and average thermal power output from a batch-fed domestic solid fuel burning appliance.

[View on Information Provider website](#)

This resource does not cite any other resources.

AS/NZS 4012:1999 Domestic solid fuel burning appliances - Method for determination of power output and efficiency

This resource does not CITE any other resources.

Back

Close

Table of Contents

Section 1 Scope And General

1.1 Scope

1.2 Application

1.3 Referenced Documents

1.4 Definitions

1.5 Principle

Section 2 Apparatus

2.1 Ambient Temperature Measurement System

2.2 Appliance Temperature Measurement System

2.3 Weight Determination Equipment

2.4 Mass Flow Measurement System

2.5 Ambient Air Pressure Measurement System

2.6 Anemometer

Section 3 Test Enclosure And Flue

3.1 General

3.2 Room Insulation

3.3 Length Of Flue

3.4 Exposed Flue Within Calorimeter Room

3.5 Air Temperatures

3.6 Air Pressure

3.7 Wall Temperatures

3.8 Air Flow

3.9 Calibration

Section 4 Measurement Accuracy

4.1 Temperature And Mass Flow

4.2 Calorimeter Room Scales

Section 5 Test Fuel

5.1 General

5.2 Fuel Chamber Usable Volume

5.3 Test Fuel Load

5.4 Firewood Piece Dimensions

Section 6 Test Procedure

6.1 Preparation Before Testing

6.2 Fuel Loading

6.3 Burn Rates

6.4 Burn Cycle

6.5 Number Of Burn Cycles

6.6 Data-Recording Interval

6.7 Operation Of The Appliance

6.8 Appliances With A Water-Heating Facility

6.9 Ducted Appliances

6.10 Post-Burn Appliance Air-Flow Test

Section 7 Calculation And Reporting Of Results

7.1 Calculations

7.2 Report

Section 8 Marking

8.1 General

8.2 Compulsory Permanent Marking

8.3 Fuel Types

8.4 Additional Marking

8.5 Retesting Exemption

Appendix A - Firewood Determination—Worked Example

Print [Save](#) Email

[Feedback](#)

- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)

[Feedback](#)