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A sponsor of



27 June 2003

Your reference: Letter dated 20/6/03
Our reference: ATL53-03

Heatmaster Pty Ltd
41-45 Bendix Drive
CLAYTON VIC 3168

Attention Mr Tony Styles

Dear Sir,

Opinion re 'Heatmaster A750' Fully Insulated Built-in Solid Fuel Appliance, in terms of AS/NZS 2918:2001 - Section 5.2

I have reviewed the engineering drawings, AS/NZS 2918 appendix B test data and reports for the Heatmaster models A450 (Amdel report 8AM0737), A650 (Amdel report M4887/88), A750 (Amdel report L1785/93) and A900 (Amdel report M4866/88) as requested. All four of the A series models have identical designs and differ in proportional dimensions only. The A900 being the largest and the A450 being the smallest.

All four models were initially tested to AS/NZS 2918 Appendix B with a hearth (floor protector) underneath the appliance consisting of a 12mm thick sheet of fibre-cement with 110mm thick layer of clay bricks. The Heatmaster A450, A650 and A900 failed the test with this hearth construction. The A750 passed the test.

The A650 and A900 were subsequently re-tested with a hearth consisting of two 6mm thick sheets of fibre-cement with a 1mm thick sheet of steel between them and a 25mm cross flow ventilated air gap underneath, (refer to Amdel reports M4887/88 and M4866/88 for details) and passed the test. The A450 required a hearth consisting of a 15mm thick sheet of compressed fibre-cement sheet with a 25mm air space that had 14,500mm² of cross flow ventilation underneath to pass the test (refer to Amdel report 8AM0737 for details).

These test results demonstrate that the hearth construction described in reports 8AM0737, M4887/88 and M4866/88 provided better thermal protection to the floor than the hearth construction described in report L1785/93 (model A750).

Therefore if the Heatmaster A750 is installed with a hearth (floor protector) meeting the requirements of Amdel report M4866/88 with cross flow ventilation underneath it is my opinion that it would comply with Australian Standard AS/NZS 2918:2001 and would not require re-testing.

Yours faithfully,

Michael J Greenwood
Laboratory Manager

ADELAIDE HEATING TECHNOLOGY
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30th March 2016

Your reference: Email sent 21/03/16

Our Reference: AHT-16-20-OP

Heatmaster Pty. Ltd.
2/9 Nicole Close
Bayswater North
Melbourne, VIC, 3153

Attention: Mr Tony Styles

Opinion re: Heatmaster Open Fireplace Insert/Inbuilt exclusion

The Heatmaster 650, 750, and 900 fireplace inserts/inbuilts were tested for carbon dioxide output at the high burn rate in accordance with AS 4013:1992 by Morwell laboratories in 1993 & 1994. The results were as follows: -

- Heatmaster 650 = 1.3% by volume CO₂ maximum
- Heatmaster 750 = 1.4% by volume CO₂ maximum
- Heatmaster 900 = 3.5% by volume CO₂ maximum

The designs of the fireplaces have not changed since being tested and therefore these test results still stand. All models tested are well below the limit of 5% by volume as prescribed in AS/NZS 4013:2014 for excluded appliances under clause 1.2.3 (f).

The Heatmaster 650, 750, and 900 fireplace inserts (insulated and non-insulated) are therefore exempt from emissions and efficiency testing by definition of "Excluded Appliances" clause 1.2.3 (f) in AS/NZS 4013:2014 and AS/NZS 4012:2014.

It is of my opinion that the Heatmaster Z1200 open fireplace, being of the same design as those models tested, should be classified as an "Excluded Appliance" under clause 1.2.3 (f) and therefore exempt from testing in accordance with AS/NZS 4012 & 4013.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Tim Cannon', is located below the 'Yours faithfully,' text.

Tim Cannon
Laboratory Manager, NATA Authorised Person



CERTIFIED

 MATERIALS SERVICES
 Certified to AS 3901 / ISO 9001

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30 September 1993

 HEATMASTER PTY.LTD.
 41-45 BENDIX DRIVE
 CLAYTON. VIC. 3168.

Attention Mr Geoff Styles

REPORT L1785/93

CLIENT REFERENCE

Letter dated 1/9/93.

TITLE

Heatmaster Firepower Model A750.

REPORT COMPRISING

Summary Sheet and Pages 1 to 5.

DATE EXAMINED

27 September 1993 and 10 February 1994.

WORK REQUESTED

 Assessment to the 'Heatmaster/Firepower Model
 A750 fully insulated open fireplace insert' to AS
 2918:1990 Appendix B.

Investigating Officer

Michael J Greenwood

 John A Lackey
 Manager
 Materials Services

 Approved NATA Signatory
 Michael J Greenwood
 Product Testing Officer

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1. INTRODUCTION

Amdel was requested to assess the 'Heatmaster/Firepower Model A750 fully insulated open fireplace insert' to the Australian Standard 2918:1990 Appendix B.

2. INSTALLATION

The 'Heatmaster/Firepower Model A750 fully insulated open fireplace insert' was installed with a 'Shamic Sheetmetal Pty Ltd' flue kit which consisted of a 200mm dia. stainless steel flue with a 250mm dia. single air ventilated casing extending from the top of the appliance to the roof penetration. The minimum flue casing venting was 2,500mm².

The clearance from the flue casing was 25mm. The clearance between the side and back walls and the appliance surface was 25mm. The clearance between the appliance and the front wall was 100mm from the top and 25mm from the sides (see Figure 1). The mantelpiece was 450mm above the top edge of the appliance. The minimum fireplace enclosure venting was 20,000mm².

The hearth used under the appliance consisted of one sheet of 12mm thick fibre-cement with a 110mm thick layer of clay bricks. It extended 350mm in front and 200mm either side of the fireplace opening.

3. PROCEDURE

The appliance was installed in the test enclosure in accordance with the manufacturer's specifications. A preliminary firing was performed to establish the approximate locations at which the highest surface temperatures would occur on the test enclosure surfaces. Thermocouples were attached to the enclosure in accordance with the Standard in the positions shown in Table 1.

The appliance was then fully fired in accordance with Section B9.1 of the Standard using untreated pinus radiata at a fuelling rate of 1.6kg/10 minutes. After approximately 2 hours, the appliance was fired in accordance with Section B9.2 (Flash Fire Test) of the Standard using a 7.5kg fuel load.