

15 May 2019



Esse Engineering Limited
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Via email: juliek@pivotstove.com.au

Customer Services
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Dear Sir/Madam

RESOURCE MANAGEMENT ACT 1991
NOTICE OF AUTHORISATION OF SOLID FUEL BURNING EQUIPMENT

Appliance: Esse Bakeheart
Authorisation Number: 193634

The decision of the Committee of Environment Canterbury is to authorise the use and installation of the above listed appliance within the Clean Air Zones of Christchurch and Canterbury for use with the fuels and conditions as specified.

Solid Fuel burners that have been authorised as complying with the provisions of Schedule 9 of the Canterbury Air Regional Plan may be checked at any time, but generally after a period of five years from authorisation and every five years thereafter. This is to ensure continued compliance of the appliances with the original authorisation.

The compliance check will also verify that any additional laboratory tests that have been undertaken for whatever reason indicate continued compliance with the provisions of Schedule 9 of the Canterbury Air Regional Plan and the National Environmental Standards.

The Canterbury Regional Council will assess the burner through liaising with the manufacturer who in keeping good faith is expected to ensure that there is no variation between the model supplied for testing and the model produced and sold.

CONDITIONS:

- 1 The only fuel to be used in this appliance shall be wood that meets the following criteria:
 - a. Less than 25% moisture (dry weight);
 - b. Has not been treated with preservatives or impregnated with chemicals or glue;
 - c. Is not chipboard, particle board, or laminated board; and
 - d. Is not painted, stained or oiled.

Our Ref:
Your Customer No:
Contact:

CRC193634
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- 2 The appliance shall be operated at all times in accordance with the "Installation and Operating Instructions" supplied with each appliance.
- 3 There shall be no wetback fitted to the appliance.
- 4 There shall be no circulation fan fitted to the appliance.
- 5 A permanent label shall be attached to each appliance in a position that is readily visible after installation. The labels shall contain the following information:
 - a. The manufacturer of the appliance (Esse Engineering Ltd.);
 - b. The unique model name (Esse Bakeheart);
 - c. The unique serial number of the appliance;
 - d. The number of the test report in which the appliance is described (ASFT18082-3)
 - e. The authorisation number (CRC193634);
 - f. The approved fuel for use in the heater (softwood with a moisture content of less than 25% (dry basis));
 - g. The measured (average) particulate emission rate in grams per kilogram (0.63 g/kg);
 - h. The measured emission rate per unit of useful heat output (45 mg/MJ);
 - i. The percentage measure of thermal efficiency (67%);
 - j. The maximum average heat output (5.4 kW);
 - k. The range of average heat outputs tested (4.0 – 5.4 kW);
 - l. The statement "Performance may vary from test values depending on the actual operating conditions";
 - m. Space to allow the installer to place the date of installation;
 - n. Name and address of the testing agency that tested the model and the year in which it was tested.
- 6 This approval applies only to the specific model described in the testing reports, documents and drawings accompanying the application for authorisation.

Please Note:

Any necessary building consents, for the installation of these appliances, must be obtained from the appropriate district or city council.

If you need more assistance, please do not hesitate to contact our Customer Services Section by telephoning (03) 353 9007, 0800 ECINFO (0800 324 636) or by visiting our website at:

<http://ecan.govt.nz/services/online-services/Pages/authorised-solid-fuel-burners.aspx>

Yours sincerely



Alice Wills
Business Support Administrator