



The Certification Mark for Onsite Sustainable Energy Technologies

## MCS Compliance Certificate Biomass

### General Information

#### Customer Name & Address

Mary Ryan  
The Laurels  
High Beeches  
Harpenden

HA4 1AS

Commissioning Date: 00/00/00

#### Installer Name & Address

Best Electrical Ltd  
24 High St  
Bedford

MCS Certification: MCS 123456789

### Purpose of Installation

Provide Space Heating  
Provide Water Heating  
Intermittent or Continuous:

Yes  
True  
Continuous

### Regulations and Approvals

Have all regulations been met and approvals obtained (including planning approval as required)?

True

### System performance

Heat loss calculator used (name and version)  
Design external temperature (°C)  
Design internal temperatures (°C)  
Total building heat loss in kW  
If designed for intermittent heating, what uplift factor?  
What is the nominal heat output rating (Rn) of the installed product in kW  
Annual space heating demand (in kWh/yr) and method used  
Annual water heating demand (in kWh/yr) and method used  
Percentage (%) of space heating demand provided by the biofuel heating system  
Percentage (%) of water heating demand provided by the biofuel heating system

Web MCS Calculator 1.01  
-1.8  
See Rooms List  
3.6  
1.20  
27.5  
3833  
2137.69  
100  
100

### Confirm that the intended fuel:

Complies with the relevant part of BS EN 14961 or Is as specified under the manufacturer's instructions (state reference to specification)  
Specification for the intended fuel is included in the document pack  
Gross calorific value (HM) of the intended fuel in kWh/kg  
Bulk density (?B) of the intended fuel in kg/m3  
Seasonal efficiency of the heating system (?S) as a %  
Estimated mass of fuel required in a year (Ma) in kg/yr  
Estimated volume of fuel required in a year (Va) in m3/yr  
Manufacturer's specified efficiency at nominal output as a %  
Estimated rate of fuel consumption (Mh) in kg/hr  
Estimated volume of this quantity of fuel (Vh) in m3/hr  
Confirm that evidence has been provided for compliance with the requirements of the building's space heating system (and hot water system if applicable) regarding specification and performance to ensure the correct and efficient operation of the heating system as a whole

BS EN 14961 Compatible  
True  
5.3  
500  
89.5  
1259  
2.52  
To DO  
5.8  
0.012  
  
True



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## Individual Room Heat Loss Table

| Room Description | Type        | Temp. °C | Volume m3 | Fabric Loss (w) | Ventilation Loss (Kwh) | Total Room Heat Loss (Kwh) |
|------------------|-------------|----------|-----------|-----------------|------------------------|----------------------------|
| Bedroom          | Bedroom     | 18       | 24        | 205             | 235                    | 440                        |
| Living Room      | Living Room | 21       | 30        | 151             | 339                    | 490                        |
| Kitchen          | Kitchen     | 18       | 18        | 453             | 235                    | 688                        |



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|   |  |
|---|--|
| If intended as a domestic RHI installation<br>Does the installation conform to the MCS Domestic RHI Metering Guidance<br>What is the outcome of Procedure A in the MCS Domestic RHI Metering Guidance<br>Is the installation meter ready? If not, please explain why  | True<br>Do not meter for payment<br>True |
| Annual energy figures<br>Proportion of space heating and water heating demand provided by the Biofuel Heating System (BHS)<br>Heat supplied by the BHS (kWh/yr)<br>Seasonal efficiency of the BHS (%).<br>Annual fuel requirement (mass) for the BHS (kg/yr)<br>Annual fuel requirement (volume) for the BHS (m <sup>3</sup> /yr)<br>Fuel consumed by other heat sources (kWh/yr) | 100<br>5971<br>89.5<br>1259<br>2.52<br>0 |
| If the installation is intended for the domestic RHI (Optional)<br>Annual space heating demand (kWh/yr), as shown on the Energy Performance Certificate (EPC) for the building<br>Annual water heating demand (kWh/yr), as shown on the EPC for the building<br>Reference number and date of the EPC<br>Maximum qualifying heat supplied by the BHS (kWh/yr)                      | 10000<br>2200<br>123456<br>12200         |
| Commissioning and handover<br>Confirm that the controls and system performance of the whole heating and hot water systems have been adjusted to achieve the designed performance<br>Confirm that the document pack includes all the items specified in MIS 3004 6.3 & 6.4<br>Confirm that the all commissioning and handover requirements have been completed                     | True<br>Yes<br>Yes                       |

I am authorised to sign this certificate on behalf of the MCS installation company named above and I confirm that:

- (i) the heating installation at the premises whose address is shown above has been designed in accordance with MIS 3004;
- (ii) the design included a heat loss calculation for every room of the building that is heated by the installation;
- (iii) the installation conforms to the design;
- (iv) the installation is in accordance with the guidance given in relevant building regulations and HSE guidance;
- (v) for all system components, the manufacturers' instructions have been followed.

Signature:

Full name and job title:

Date: