

## Declaration of performance according to Regulation (EU) 305/2011 Phoenix Firewren Eco - Free Standing stove

|                  |                                                                                                                              |                                                                                                                                                                                                         |                                                         |
|------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Point            | <b>Product Type</b>                                                                                                          | Woodwarm Stoves roomheater burning solid fuel without supply of hot water in accordance with BS EN 13240:2001 + Amd 2:2004                                                                              |                                                         |
| 1                |                                                                                                                              |                                                                                                                                                                                                         |                                                         |
| 2                | <b>Product model designation</b>                                                                                             | Phoenix Firewren (M114E), Serial No.- See Data Plate on the stove                                                                                                                                       |                                                         |
| 3                | <b>Intended use</b>                                                                                                          | Roomheater burning solid fuel without supply of hot water                                                                                                                                               |                                                         |
| 4                | <b>Manufactured by</b>                                                                                                       | Woodwarm Stoves Ltd.<br>Metal Developments Ltd, The Workshop, Wheatcroft Farm<br>Cullompton, Devon, EX15 1RA<br>Tel: 01884 35806 Fax: 01884 35505<br>Email: sales@woodwarmstoves.co.uk                  |                                                         |
| 5                | <b>Manufacturer's authorised representative</b>                                                                              | Woodwarm Stoves                                                                                                                                                                                         |                                                         |
| 6                | <b>System of assessment and verification of constancy of performance</b>                                                     | System 3                                                                                                                                                                                                |                                                         |
| 7                | <b>Notified laboratory name and address</b>                                                                                  | The notified laboratory Kiwa Gastec. Laboratory no. 692 performed the determination of the product type specification on the basis of type testing under system 3 and issued the test report Ref: 61066 |                                                         |
| 8                | <b>Declared performance:</b>                                                                                                 |                                                                                                                                                                                                         |                                                         |
|                  | <b>Harmonised Technical specification:</b>                                                                                   | BS EN 13240:2001 + Amd 2:2004                                                                                                                                                                           |                                                         |
|                  | <b>Essential characteristics</b>                                                                                             | <b>Performance - Wood</b>                                                                                                                                                                               | <b>Performance - Ancit</b>                              |
|                  | Fire Safety:- Reaction to fire                                                                                               | A1                                                                                                                                                                                                      |                                                         |
|                  | Clearance distances to combustible materials<br>Standard model ( <b>Convector model</b> )                                    | Single Wall Flue = 750mm ( <b>400mm</b> ) To Rear / 650mm ( <b>400mm</b> ) To Side<br>Twin wall Flue = 600mm ( <b>150mm</b> ) To Rear / 500mm ( <b>400mm</b> ) To Side                                  |                                                         |
|                  | Risk of burning fuel falling out                                                                                             | PASS                                                                                                                                                                                                    |                                                         |
|                  | Emission of combustion products                                                                                              | CO = 0.07%<br>OGC = 37 Nmg<br>NOx = 101 Nmg<br>PM = 16 Nmg                                                                                                                                              | CO = 0.04%<br>OGC = 2 Nmg<br>NOx = 87 Nmg<br>PM = 6 Nmg |
|                  | Surface temperatures                                                                                                         | PASS                                                                                                                                                                                                    | PASS                                                    |
|                  | Electrical safety                                                                                                            | N/A                                                                                                                                                                                                     | N/A                                                     |
|                  | Cleanability                                                                                                                 | PASS                                                                                                                                                                                                    | PASS                                                    |
|                  | Flue gas temperature at nominal heat output                                                                                  | 238°C                                                                                                                                                                                                   | 281°C                                                   |
|                  | Mechanical resistance to carry a chimney                                                                                     | NPD                                                                                                                                                                                                     | NPD                                                     |
|                  | Nominal output                                                                                                               | 4.0kW                                                                                                                                                                                                   | 4.0kW                                                   |
|                  | Room heating output                                                                                                          | 4.0kW                                                                                                                                                                                                   | 4.0kW                                                   |
| Gross efficiency | 72.9%                                                                                                                        | 77.7%                                                                                                                                                                                                   |                                                         |
| Net efficiency   | 79.6%                                                                                                                        | 79.7%                                                                                                                                                                                                   |                                                         |
| 9                | The performance of the product identified in points 1 and 2 is in conformity with the declared performance given in point 8. |                                                                                                                                                                                                         |                                                         |

Signed for and on behalf of the manufacturer by:

Simon Brown

29 / 01 / 2019

SJBrown