



part 1

Appliances Burning Wood & Solid Mineral Fuels

PREFACE

All appliances listed in this section have been designed to burn either wood-based fuels or to burn solid mineral fuels authorised for use in smoke control areas as listed in Part 3 of this guide. All approved products have been independently verified by HETAS to ensure that the appliance meets the provisions laid down in the UK Building Regulations, as well as ensuring requirements within legislation required by EU law have been met. These requirements include minimum efficiency, performance, product labelling and marking, whilst at the same time ensuring appliance installation instructions and technical literature is both in compliance with regulations and doesn't contain information that may compromise safety.

When selecting a solid fuel appliance, consideration should always be made to ensure the appliance meets all legal obligations listed above, and also includes the following:

- The appliance is appropriately CE marked and a Declaration of Performance is available
- A copy of the manufacturers installation & operating instructions is readily available and informative guidance given to carry out a compliant installation
- The appliance is appropriately energy labelled and accompanied by the required technical documents
- The appliance can burn the relevant fuels expected by the end-user
- Consideration for installation of a solid fuel appliance is a Smoke Control Area and what additional criteria need to be met.
- The appliance is best suited to the specific needs of the household and lifestyle of the end user

The HETAS product approval process demonstrates these points to installers, specifiers and end users, and shows the product is safe, efficient and conforms to Building Regulation requirements, as well as other stipulated UK & EU regulations. HETAS check the validity of any CE marking during the approval process, however HETAS Approval cannot be regarded as a substitute for CE marking.

It is important to note that CE marking is a self-declaration by the manufacturer, and alone does not provide verification that the products meet the legal obligations listed above, only that the appliance has been appropriately tested to a relevant standard as one part of the CE marking process.

APPLIANCE SELECTION & PERFORMANCE

The appliances listed in this guide provide a wide choice of styles and outputs, ranging from closed roomheater stoves and roomheater stoves with boilers, to cookers and independent central heating boilers. Care should be taken in the selection of the appliance best suited to the specific needs of the property and occupants lifestyle.

The object of rating an appliance's performance is to ensure, as far as possible, that under normal conditions of domestic use and burning one of the fuels shown as suitable for use, the appliance will give satisfactory heat service to the property. This Guide does not cover dimensional and constructional features which affect frequency of attention or maintenance, and it must therefore be appreciated that a direct comparison between the different categories of appliance in this guide cannot be made without further advice if all aspects of performance are to be considered.

The appliance listings give the periods used in the Type Tests for the outputs to be achieved. It should be appreciated, however, that under household conditions the performance may vary to some degree when different fuels are burned and under changing conditions of draught.

Those appliances classed as "continuous burning" have the ability to be turned down and operated at a slow burning rate and resultant low heat output. However, these appliances operated at low output for extended period can lead to detrimental conditions within the chimney which can lead to reduced life expectancy of metal components. It should be advised to users only those appliances designed to operate under continuous conditions should be used in this way, and to consider where necessary the installation of non-metallic chimney liners.

DEFRA EXEMPTION

It should be noted that bituminous coal and wood in any of its forms including pellets is not by law permitted to be burned on appliances in Smoke Control Areas, except where the appliance has been exempted under Part II (4) of the Clean Air Act, 1993.

These exempted appliances are designated thus  in this list and can be used in Smoke Control Areas when operated in accordance with the specified conditions of the exemption and burning only the specified fuels in accordance with the manufacturer's operating instructions. It is important to note that the appliances marked as Defra Exempted refers only to England. Exemption for the now devolved administrations of Wales, Scotland and Northern Ireland are subject to separate legal processes and the installer must verify the status of the exemption in relation to the country of the installation; see www.smokecontrol.defra.gov.uk

ECODESIGN

HETAS and Woodsure have been working with industry, Defra and other Government departments to support a pragmatic but effective transition to the impending Ecodesign Regulations coming in to force in Europe in January 2020 for independent boilers and January 2022 for room-heater stoves. The overall aim is to promote more energy efficient appliances and use of quality wood fuels to lower emissions and improve air quality.

We all want to offer customers an option to burn solid fuels, wood, biomass cleanly and efficiently in to the future. This means we must aim to reduce the emissions of particulate matter (PM), as well as organic gaseous compounds (OGC), carbon monoxide (CO), nitrogen oxides (NOx) and for some fuels, sulphur. More information on the impending Ecodesign Regulations can be found on the HETAS website at: www.hetas.co.uk/ecodesign

NON-APPROVED APPLIANCES

Currently it is not illegal to purchase an appliance that does not meet the requirements of British and European standards, but it is illegal for the same appliance to be installed in the UK. When selecting non-approved appliances, the installer will need to make sure that the appliance complies with all necessary requirements, as laid down in the UK Building Regulations and supporting standards.

One of the main reasons for the HETAS approval system is to make it easier for installers and consumers to have confidence in the appliances they buy and install.

More information on installation and safety practices can be found in **Part 4 - Installation, Safety & Maintenance** in this guide.

TYPE B - OPEN FIRES

TYPE B22 - FREESTANDING CONVECTOR - WOOD

Fires in this section are recommended for rooms of normal construction up to 50m³ maximum for 400mm fires & 57m³ maximum for 450mm fires and larger fires. Minimum rated outputs are 2.5kW for 400mm fires & 2.9kW for 450mm fires and larger fires. Some makes of inset fires are marketed in two forms with the same name: one form for fixing to the hearth; the other, a portable model said to require no fixing. In such cases only the fixed model is approved. Approval relates only to the appliance as a simple inset fire and selection for installation to an existing boiler should only be made with technical guidance. When an inset fire is approved for use with a specific back boiler it is shown as part of the complete unit in Type D.

Fires in this section have an adjustable throat and allowance has been made for this in the room heating figures.

Approved Fuels

Fuels regarded as suitable for the appliances in this section are wood logs only. See *Part 3 - Wood, Biomass & Solid Mineral Fuels* of this Guide.

APPLIANCE NAME	HETAS ID CODE	ICONS	FUEL TYPE	RATED OUTPUT kW ROOM	EFFICIENCY % GROSS / NET	PRODUCT IMAGE
Camelot Real Fires Ltd. Primrose Cottage, Hatfield Bank,, Norton, Worcester, Worcestershire, WR5 2PZ		 <small>Handmade real open fires</small>		01905 820 181 info@camelotrealfires.co.uk www.camelotrealfires.co.uk		
Second Generation Thermovent Convector Fire	B220731		Wood	14.1	47.1 / 51.8	