

# THE MUCH WENLOCK

## Installation Instructions for Freestanding Much Wenlock Stove with Boiler



### Consumer Protection Act 1987

As manufacturers and suppliers of cooking and heating products, in compliance with Section 10 of the Consumer Protection Act 1987, we take every care to ensure, as far as is reasonably practicable, that these products are so designed and constructed as to meet the general safety requirement when properly used and installed. To this end, our products are thoroughly tested and examined before despatch.

**IMPORTANT NOTICE:** Any alteration that is not approved by Aga-Rayburn could invalidate the approval of the appliance, operation of the warranty and could also affect your statutory rights.

### Control of Substances - Health and Safety Important

This appliance may contain some of the materials that are indicated below. It is the Users/Installers responsibility to ensure that the necessary personal protective clothing is worn when

handling where applicable, the pertinent parts that contain any of the listed materials that could be interpreted as being injurious to health and safety, see below for information.

**Firebricks, Fuel beds, Artificial Fuels** - when handling use disposable gloves.

**Fire Cement** - when handling use disposable gloves.

**Glues and Sealants** - exercise caution - if these are still in liquid form use face mask and disposable gloves.

**Glass Yarn, Mineral Wool, Insulation Pads, Ceramic Fibre, Kerosene Oil** - may be harmful if inhaled, may be irritating to skin, eyes, nose and throat. When handling avoid inhaling and contact with skin or eyes. Use disposable gloves, face-masks and eye protection. After handling wash hands and other exposed parts. When disposing of the product, reduce dust with water spray, ensure that parts are securely wrapped.

### RATING

		Top Flue Outlet	Rear Flue Outlet
Direct Space Heating	kW Btu/h	4.3 14,500	3.9 13,500
Water Heating	kW Btu/h	6.1 21,000	7.3 25,000

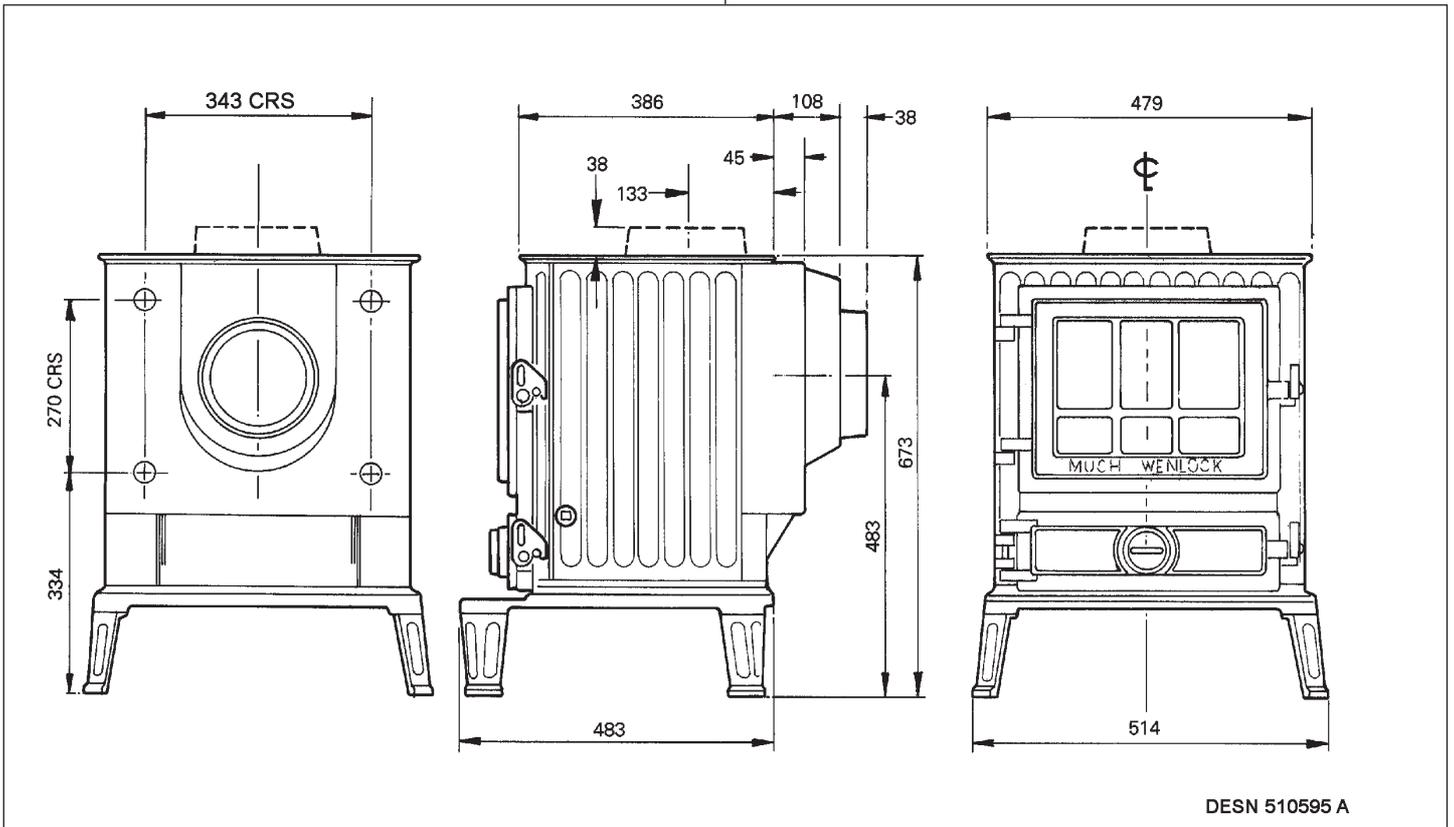
**NOTE:** THERE ARE TWO SETS OF BACK OUTLET 'FLOW AND RETURN' CONNECTIONS ON THE L.H. OR R.H. SIDE OF THE BOILER. THE STOVE CAN BE INSTALLED AS A TOP OR BACK FLUE OUTLET APPLIANCE.

### WARNING BOILER MODEL

UNDER NO CIRCUMSTANCES MUST THE APPLIANCE BE FIRED DRY AS DAMAGE WILL OCCUR

The maximum room size (of normal construction) and radiator surface that can be heated are:

		Top Flue	Rear Flue
Direct Space Heating	m <sup>3</sup> ft <sup>3</sup>	73.6 2600	67.9 2400
Pipe and Radiator Surface (no domestic hot water)	m <sup>2</sup> ft <sup>2</sup>	12.2 131.25	14.5 156.25
Radiator Surface (with domestic hot water)	m <sup>2</sup> ft <sup>2</sup>	9.9 106.25	12.2 131.25



DESN 510595 A



## Chimney Terminations

All chimney should terminate above roof level in accordance with current Building Regulations Section J/1/2/3 and as outlined in BS 6461 Part 1 and BS 7566 Parts 1 to 4.

However well designed, constructed and positioned, the satisfactory performance of a flue can be adversely affected by the downdraughts caused by adjacent tall buildings and trees or even a nearby hills. These deflect the wind, creating a zone of high pressure over the terminal causing it to blow directly down the chimney flue.

A suitable anti-downdraught terminals such as the MARCONE will usually effectively combat low pressure down-blow but no known cowl is likely to prevent downdraught due to a high pressure zone.

**NOTE:** ADVISE THE USER TO ENSURE THE CHIMNEY FLUES ARE THOROUGHLY SWEEPED AT A MINIMUM OF 12 MONTHLY INTERVALS AFTER THE APPLIANCE IS COMMISSIONED.

## PREPARATION OF BUILDERS RECESS OPENING

The appliance and recess, hearth and chimney flue installation should be in accordance with the relevant current recommendation of the British Codes of Practice BS 8303 and BS 6461 Part 1 and BS 7566 Parts 1 to 4, with the boiler and heating installation complying with BS 5449 Part 1.

The boiler section must also be installed in accordance with the bye laws of the Local Water Undertaking, Regulations for the Electrical Equipment of Buildings - published by the Institute of Electrical Engineers, and any relevant requirement of the Local Authority.

The appliance can be installed in a non-combustible recess in which the hearth must be level and together with the adjacent walls, conform to the current Building Regulations. See Figs. 1b and 2a.

A rectangular recess is required, not less than 640mm wide, not less than 480mm deep from the face of the recess and 1278mm minimum height for a top flue outlet version. Holes will be required in one or both sides for the pipework.

The clearance between the appliance and any combustible material must be maintained as indicated in Figs. 1a, 1b, 2a, 2b and 3.

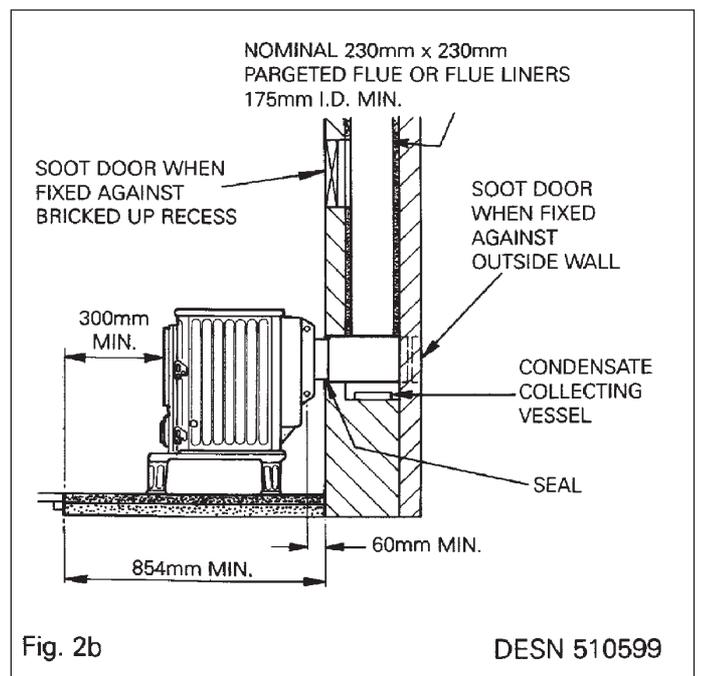
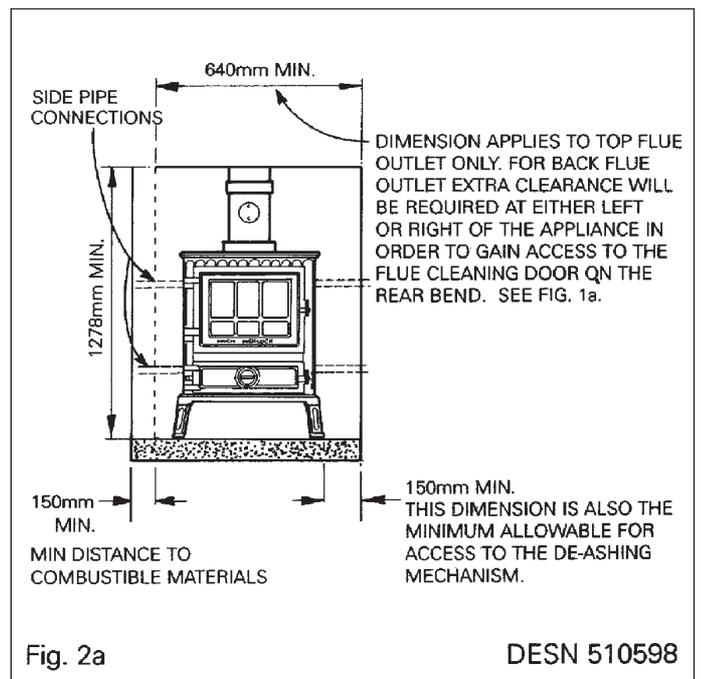
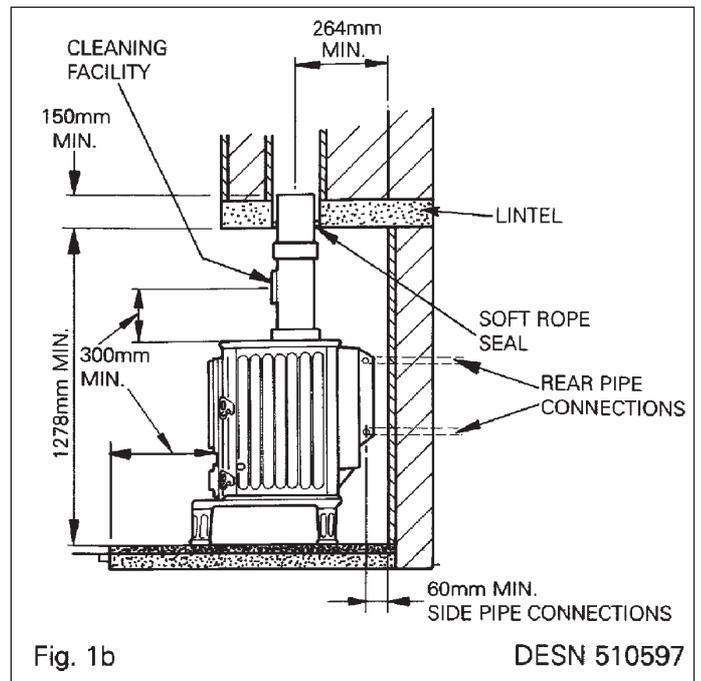
## AIR SUPPLY

A permanent unobstructed air vent is required having a minimum effective area of 60cm<sup>2</sup> and communicating directly to outside air or an adjacent room which itself has a permanent air vent direct to outside air.

### Air Extract Fans

Building Regulations 1990 permit the installation of an air extract fan in a room containing a solid fuel appliance. The appliance must be able to operate effectively whether or not the fan is running. To this end:

1. Ensure the fan duty is capable of coping with the respective room volume. Avoid an oversize fan duty performance.
2. Follow the directions recommended by the fan manufacturer on the necessary air ingress needed for



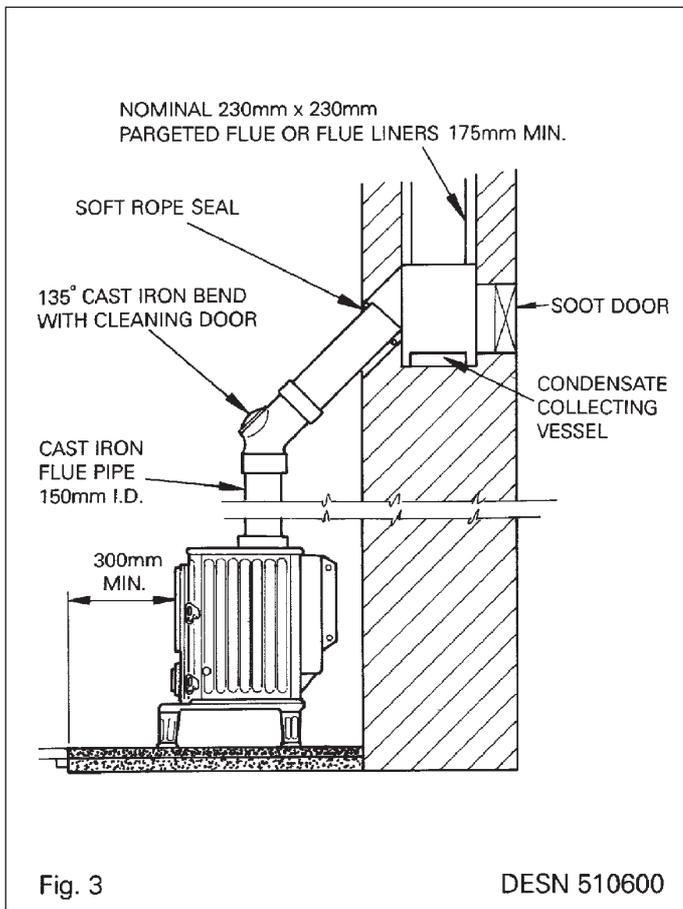


Fig. 3

DESN 510600

the fan or overhead cooker hood, then add this compensatory area to that recommended for the appliances primary air needs, to form a permanent air vent.

3. Ensure the wall location of the fan does not deprive the appliance of primary air.

## FLUE LAYOUT

In Fig. 1b and 2a the stove is installed in an existing recess directly below the chimney flue. The exit end of the flue pipe must extend a minimum of 150mm into the overhanging brickwork. Any cavities or pockets above the register plate should as far as possible be filled with the flue pipe exit extended into the throat of the chimney.

If a flue liner or insulated chimney is used, the diameter should not be less than 175mm and 150mm respectively.

Fig. 2b shows a back flue outlet into a chimney brickwork.

In Fig. 3 the stove is connected to an existing brick flue with a length of flue pipe. Square bends and horizontal runs must not be used and a cleaning door included at every bend.

EXTENDED LENGTHS OF HORIZONTAL PIPEWORK MUST BE AVOIDED AND ARE NOT RECOMMENDED, AND SHALL NOT EXCEED 150mm.

**NOTE:** WHATEVER METHOD OF INSTALLATION IS UTILISED, AIR MUST NOT BE ALLOWED TO ENTER THE CHIMNEY EXCEPT THROUGH THE STOVE AND ALL JOINTS MUST BE AIR-TIGHT. IF THE CHIMNEY IS UNLINED AND THERE IS ANY DOUBT ABOUT ITS CONDITION, IT SHOULD BE LINED IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS.

PROVISION MUST ALWAYS BE MADE FOR SWEEPING THE CHIMNEY.

IMPORTANT: CEMENT PIPES AND FITTINGS MUST NOT BE USED WITHIN 2m OF THE STOVE OUTLET. CHIMNEYS OF PLAIN PIPE ARE NOT RECOMMENDED BUT CERTAIN PROPRIETARY MAKES OF INSULATED CHIMNEY ARE SUITABLE.

## INSTALLATION

Handle the firedoor with care to ensure the glass panel remains intact.

The stove is delivered fully assembled but all fire cement joints should be examined for soundness and if necessary, re-sealed before installation.

After unpacking the stove, remove all packaged parts from inside the stove and inspect the stove to ensure no damage gas occurred during delivery.

If there is a problem, contact your local stockist.

Packaged parts contain a Flue Outlet Blanking Plate, Flue Collar (for top or back outlet) and Operating Tool Support Collar Cradle complete with two screws to secure the Cradle to the bottom R.H. side of stove.

1. Plug any of the 1in. BSP boiler connections not required and fit half unions as required.
2. Position the stove in required position relative to chimney flue and on non-combustible hearth ensuring there is sufficient room allowed on stove R.H. side to enable operation of riddling tool.  
Blank off and seal with cover plate, flue outlet not used.
3. Cut length of 150mm diameter pipe to suit chosen method of flue connection. Insert flue pipe spigot in stove outlet socket and caulk joint with soft rope and cement.

Top Flue Outlet installations must incorporate an access door in the flue pipe near the surface of the stove for flue cleaning.

4. Connect flue pipe to chimney with selected method.
5. Making connections to the boiler with provision for draining at the lowest point, fill with water and test. Make good any brickwork around the pipes.
6. Check that the bottomgrate reciprocates correctly and that the front firebar is correctly located.

## COMMISSIONING

Check that the system is full of water and free from air locks.

- a. When lighting, open firedoor and place paper and sticks with a small quantity of fuel onto the bottomgrate, ignite paper and set the ashpit door spinwheel fully open and lock firedoor. When established, balance the water system.
- b. With the appliance under fire, check for soundness of seals/joints and that the flue functions correctly in permitting all smoke and fumes to be vented through the chimney.

## TESTING AFTER COMMISSIONING

After completing the installation, the Heating Contractor should demonstrate to the user, the operation of the fire, e.g. ashpit door, spinwheel setting, the method of riddling as well as the routine flue cleaning method.

Ensure the Operating Instructions are left in the possession of the user.

Weight of complete stove      184Kg

## GENERAL INFORMATION

Bottomgrate bars - there are six grate bars of one type and seven of another.

The seven bar occupy the ends and intermediate positions. The six bars fit between these. See that they are properly placed on the cross front firebar and move freely when riddled.

### **Flue Pipes**

C.I Pipes and bends of 150mm diameter painted black are available through your local stockist.

Replacement parts if required are available from your local stockist





**For further advice or information contact  
your local distributor/stockist**

With Aga-Rayburn's policy of continuous product improvement, the Company reserves the right to change specifications and make modifications to the appliance described and illustrated at any time.



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