

03/10 (PP)  
INSTR.CK-W35/c

# ESSE Woodfired Cooker

SUMMER OPERATING KIT INSTRUCTIONS

MODEL: W35



Esse Engineering Limited, Long Ing, Barnoldswick, Lancashire BB18 6BN

Tel: 01282 813235 Fax: 01282 816876 e-mail: [enquiries@esse.com](mailto:enquiries@esse.com)

Website: <http://www.esse.com> On-line Store: <http://www.esseparts.com>



THIS APPLIANCE MUST BE COMMISSIONED BY A HETAS REGISTERED ENGINEER OR A COMPETENT PERSON  
THE WARRANTY CARD MUST BE RETURNED TO ENSURE GUARANTEE VALIDITY



## WHY DO I NEED SUMMER SETTING FIREBRICKS

The W35 is designed to provide 9.7 kW (33,000 Btu/h) to water heating in addition to the heat it requires for cooking and radiant heating. If the cooker is to be used year round, clearly the water heating output will need to be reduced when central heating is not required.

For this reason a set of optional firebricks is available that, once fitted will reduce the output to water in the summer months to 3.7 kW (12,600Btu/h). Roughly the output needed to provide hot water for domestic needs.

This is achieved simply by insulating the walls, roof and base of the firebox with the optional summer configuration firebrick set. Once fitted, less heat (from the burning fuel) is required to heat water and as a result fuel consumption is also reduced in summer configuration, which also means less frequent refuelling and less wood chopping. The table below illustrates just how much difference the optional summer firebrick set makes to heat output and fuel consumption.

This leaflet explains how to fit the summer firebricks to enable you to get the best year round performance from your W35.

### WINTER SETTING

**Fuel consumption 4.5 kilos per hour.**

**Nominal total heat output 13.9kW (9.7kW to water)**

For maximum water heating in winter the standard firebrick set is configured as shown on page 6.

### SUMMER SETTING

**Fuel consumption 1.5 kilos per hour.**

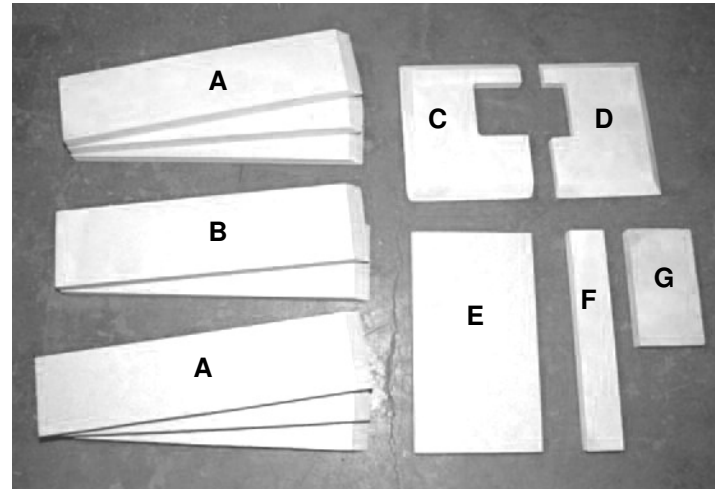
**Nominal total heat output 5.3kW (3.7kW to water)**

To reduce fuel consumption and water heating in summer the winter setting firebricks are removed and replaced with the optional summer firebrick set as shown on page 4.

## SUMMER & WINTER FIREBRICKS

### SUMMER CONFIGURATION FIREBRICK SET

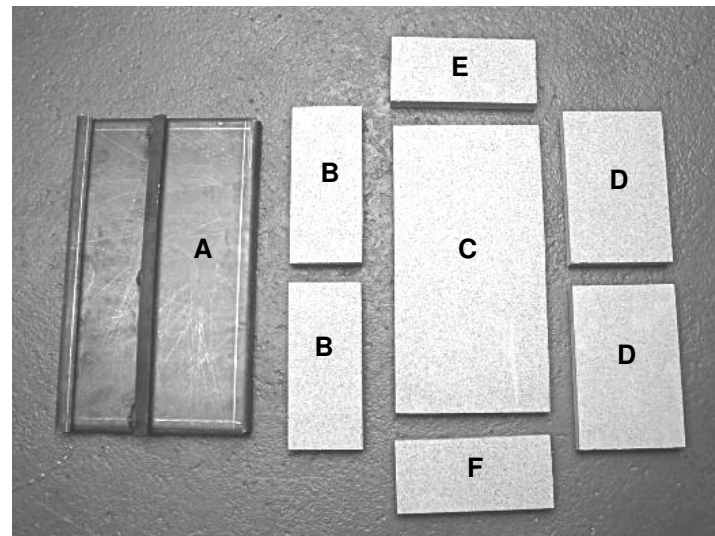
The optional summer configuration firebrick set consists of the following components:



- A) Side bricks x 6
- B) Back bricks x 2
- C) Front top brick x 1
- D) Rear top brick x 1
- E) Base brick x 1
- F) Front right side brick x 1
- G) Front base brick x 1

### WINTER CONFIGURATION FIREBRICK SET

The standard winter configuration firebrick set consists of the following components:



- A) Steel left hand air inlet baffle x 1
- B) Left hand side bricks x 2
- C) Base brick x 1
- D) Right hand side bricks x 2
- E) Back brick x 1
- F) Front brick x 1

### CARE AND STORAGE OF FIREBRICKS

The firebricks supplied with this appliance are made of Vermiculite which has outstanding thermal properties but it is also light and brittle. Care should be taken when handling, fitting and storing firebricks to ensure they are not damaged.

**SUMMER CONFIGURATION - to reduce fuel consumption and water heating in summer**

Remove winter setting firebricks and replace with the summer configuration as follows:



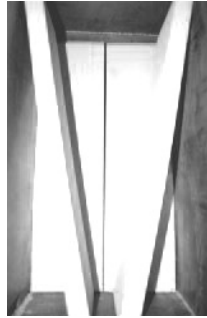
1. Fit the 2 back bricks by initially leaning them against the back of the firebox as shown to prevent them from falling forward.



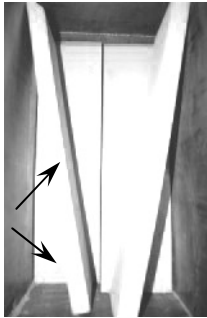
2. Note that the two back bricks are wider than the side bricks. Do not confuse them.



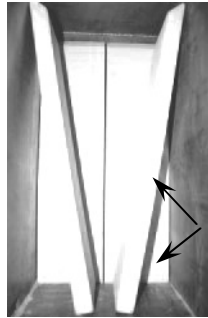
3. Lean the first of the right hand side bricks as shown.



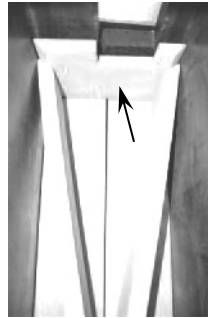
4. And repeat as shown on the left side.



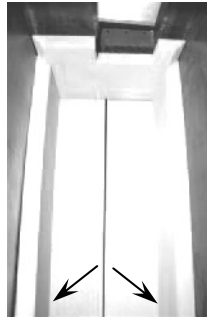
5. Now push the left side back brick flat to the wall of the firebox using the angled side brick as shown.



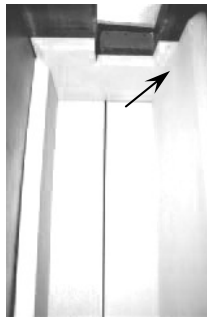
6. ...and repeat on the right side.



7. With the two side bricks still angled fit the top rear brick as shown with the slot towards you.



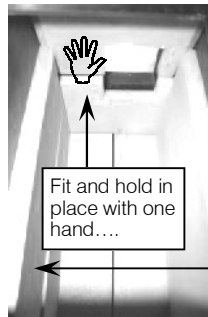
8. Now the first two side bricks can be safely pushed flat to the wall of the firebox.



9. Next place the next right hand side brick flush against the wall as shown. It will be held in place by the rear top brick flange.

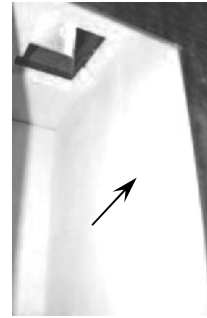


10. And then lean the corresponding middle left hand brick against the back bricks as shown.

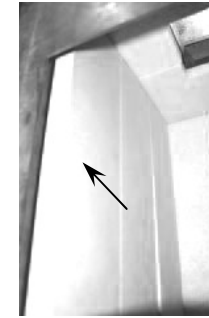


11. The next step requires two hands as described.

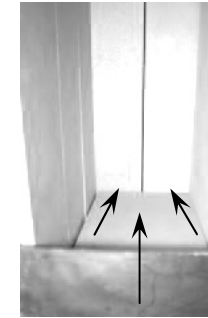
... then using your free hand, carefully rotate and fit the middle left side brick that was placed inside the firebox in step 10. Once in place the top brick can be safely released, now held in place by the two middle side bricks.



12. Now fit the remaining right hand side brick snugly against its neighbouring brick...



13. ...and repeat with the final left hand side brick. Ensuring that they are fitted flush and there are no gaps.



14. Now the base brick can be fitted. Pushing it flush with the back bricks.



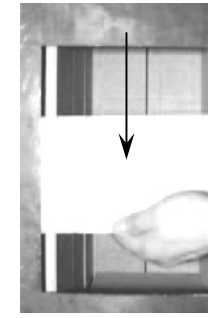
15. The long thin front brick can now be fitted in the remaining space at the front right of the firebox...



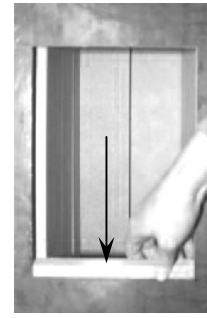
16. ...ensuring that it is pushed flush up to the right hand side wall.



17. The remaining front base brick can now be fitted by first sliding it into the space above the right hand front brick...



18. ... and then sliding it down keeping the brick level so that it doesn't snag...



19. ... and into its place fitting flush with the base of the fire door.



**IMPORTANT**

The cooker must be cold before fitting or removing any fire bricks!



**NOTE**

When the cooker is configured for summer operation ensure the thermostat is set to minimum and remains that way until the firebox is re-configured for winter operation. Whilst in summer mode, control the cooker using the primary air slider on the inner fire door.

## WINTER CONFIGURATION—for maximum water heating output

The diagram below shows the winter configuration of the firebox.



1. Fit the left hand side air inlet baffle. Leaning slightly against the left hand wall of the firebox.



2. Fit the rear right hand brick as shown.



3. Followed by the front right hand brick.



4. Next fit the back brick.



5. Now push the air inlet baffle flat to the wall and fit the rear left hand brick.



6. Followed by the front left hand brick.



7. Next fit the base brick, angling it slightly as you feed it through the door.



8. And lay it gently onto the base of the firebox pushed snugly against the rear brick.



9. Finally slot in the front brick.



10. Ensuring it drops down cleanly into the slot in front of the base brick.



**IMPORTANT**

The cooker must be cold before fitting or removing any fire bricks!

## REPLACEMENT FIREBRICKS

Vermiculite firebricks are a consumable part of any woodburning appliance and will need replacing from time to time. The life of the firebricks will depend on the user. If care is taken when loading fuel and preparing logs of the correct length, the firebricks will last indefinitely.

Replacement firebricks can be ordered from your local dealer or via our online spare parts ordering service at [www.esseparts.com](http://www.esseparts.com)

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