

This Manual Must Always be Available to the Stove Operator



Installation Instructions

Rika

Cult, Eco, Fox, Jazz, Tara, Twist, Tema Vitra, Scena

This manual must be used in conjunction with document IN1173. The Wood and Mutlifuel Chimney and Installation Guide.

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PART NUMBER

SERIAL NUMBER



Euroheat
Natural Energy Company

IMPORTANT

Since April 2002 only Registered Competent Engineers may install solid fuel fired appliances without involving the Local Authority Building Control Department. For more details contact HETAS. Euroheat would suggest only Registered Competent Engineers install Euroheat appliances. If the installer is not a registered Competent Engineer we would advise that property owners insurance company is contacted to confirm their insurance is not affected.

■ The installation of this appliance must comply with all local regulations, including those referring to national and European Standards before it can be operated. The stove is not suitable for a shared flue. However, for England and Wales, only, the coming into force on 1st April 2002 of SI 2002 No 440 exempts the householder from this legal requirement for the installation of solid fuel fired appliance whose rated heat output is 50kW or less in a building having no more than 3 storeys (excluding any basement) if a Competent Engineer is employed who is registered under the Registration Scheme for Companies and Engineers involved in the Installation and Maintenance of Domestic Solid Fuel Fired Equipment operated by HETAS Ltd. These registered Competent Engineers may also carry out associated building work necessary to ensure that the installed appliance complies with Building Regulations without involving the Local Authority Building Control Department.

■ Your attention is drawn to the precautions and responsibilities under the Health and Safety at Work Acts, and whatever new legislation being introduced during the life of this document. Especially to the possibility of disturbing asbestos when disturbing structures in older properties. Also the caustic nature of fire cement. The personal risk of injury when moving heavy items with possible sharp edges.

■ Improper adjustment, alteration, maintenance or the fitting of replacement parts not recommended by the manufacturer can cause injury or property damage. Do not operate the stove with faulty seals or damaged glass.

■ Due to the high operating temperatures of this appliance it should be located away from pedestrian traffic and away from furniture and draperies. Do not store paper or wood near the appliance. Any mats and rugs put in front of the stove should be fire proof and secured to prevent the possibility of tripping.

■ Advise all persons as to the stove's high surface temperatures. If it is possible for children or infirm adults to come into contact with the stove, fit a suitable fire guard.

■ It is imperative that all air passageways into, out of, and within the appliance are kept clean. All permanent ventilation into the room provided for the stove must remain clear and unobstructed at all times. Consideration must be given to the need for extra ventilation if another heating source needing air is to be operated simultaneously. If an extraction fan is proposed to be fitted to a connecting area of the house, after the stove has been installed, professional advice should be sought from a qualified engineer.

■ The user should be advised that the appliance should be inspected regularly and the chimney cleaned at least annually. More frequent cleaning may be required and the advice of a qualified chimney sweep should be sought. The installing engineer should refer to BS EN 15287-1:2007 design, installation and commissioning of chimneys.

■ Our range of stoves is capable of operating with outstanding efficiency if the flue system is correct. Because so little heat is wasted to the flue it is possible that moisture within the products of combustion will condense if the heat losses within the flue way are too great and allow the flue gasses to cool. For this reason we recommend that the stove is fitted with a suitable flue liner, the same diameter as the flue spigot, to prevent the possibility of acidic damage to the fabric of the chimney and damage to the stove which will reduce the longevity of the stove.

■ When correctly installed, the stove is designed to produce heat, safely. It cannot do so if the installation is less than absolutely stable, constructed of materials suitable for such an installation and consideration has not been given to the possibility of people with less than ideal common sense operating it.

■ Have the existing chimney swept by a chimney sweep. Although you will be lining the chimney, any deposits left in the chimney will cause problems and may become a fire hazard.

The Model Range Explained

RIKA and Euroheat insist on progressive development to produce products which are market leading. Our aims are to produce stoves with the latest innovations, user friendly operation and highly efficient for lower cost operation.

This manual offers installation information for the range of RIKA wood stoves: Cult, Eco, Fox, Jazz, Scena, Tara, Tema, Twist and Vitra. Although the exterior clothes change between model ranges the internal workings are very much the same.

Model Identification

You will see on the front page of this document a label which confirms which model you have. This label also advises you of the stoves unique serial number. This information is also attached to your stove for reference.

Important

Please ensure the warranty registration form is completed if you are the installer and confirm with the user that it is their responsibility to return it to Euroheat. In this way the model and its history will be recorded for reference in the future.

For the latest versions of manuals, technical information, accessories and spare parts visit the Euroheat web site.



Euroheat
Natural Energy Company

Stoves supplied through Euroheat authorized retailers.

For England, Wales, Scotland and Northern Ireland

Euroheat Distributors (H.B.S). Ltd.
Unit 2, Court Farm Business Park,
Bishops Cleeve,
Worcestershire. WR6 5AY.

www.euroheat.co.uk

info@euroheat.co.uk

Whilst Euroheat are always happy to assist, please ensure you have read this manual and the chimney and installation guide IN1173.

First contact your supplying retailer for assistance. If you find this unsuccessful contact the Euroheat Technical support team. Technical support telephone Number 01885 491117. E-mail tech@euroheat.co.uk.

Before telephoning ensure you have the stoves serial number to hand and that you are a Registered Competent Engineer. If you are not a registered engineer seek one for assistance. A list of engineers can be obtained from HETAS.

Euroheat unfortunately are NOT able to offer support for appliances which were not supplied by Euroheat.



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Technical Details Intermittent Operation

Intermittent operation is when the appliance is used for short firing periods for example 45 minutes to 2 hours. This is a common operation in warmer weather such as cold spring evenings. The information provided below where indicated as HETAS approved is from the current CE standards EN 13240:2001 and EN 13240 A2:2004. The test fuel for wood burning, beech.

Model Name	Model Number	Heat Output Nominal Wood	Loading Rate	Weight KG	Flue Draught Nominal	Flue Gas Mass Flow g/s	Flue Gas Temperature Down Stream of Flue Spigot deg C	Efficiency with Top Flue Connection	Flue outlet size
Cult	RKC1	6kW	1.6 kg/h	182 222*	12pa	5.2	221	83.2% Net 75.7% Gross	153mm/6"
Cult Plus	RKC2	6kW	1.6 kg/h	158 238*	12pa	5.2	221	83.2% Net 75.7% Gross	153mm/6"
Eco	RKE1	8kW	2.0 kg/h	298	10pa	6.4	223	79.1% Net 72.0% Gross	153mm/6"
Eco Plus	RKE2	8kW	2.0 kg/h	298	10pa	6.4	223	79.1% Net 72.0% Gross	153mm/6"
Fox	RKF1	8kW	2.0 kg/h	120 240*	10pa	9.5	187	80.1% Net 73.8% Gross	153mm/6"
Jazz	RKJ1	8kW	1.7 kg/h	214	12pa	6.4	240	77.2% Net 70.0% Gross	153mm/6"
Scena	RKS1	10kW	2.5 kg/h	240	12pa	8.2	280	80.1% Net 72.8% Gross	153mm/6"
Tara	RKT1	8kW	2.0 kg/h	130 390*	10pa	9.5	187	80.1% Net 73.8% Gross	153mm/6"
Tema	RKT5	6kW	1.6 kg/h	125 180*	12pa	5.2	226	83.2% Net 75.7% Gross	125mm/5"
Twist	RKT2	8kW	2.0 kg/h	240	12pa	6.9	260	79.3% Net 72.2% Gross	153mm/6"
Vitra	RKV1	4kW	1.2 kg/h	158 238*	11pa	5.1	206	80.9% Net 73.6% Gross	153mm/6"

* With soapstone cladding

Free Air Requirement

Air requirement equivalent area. Building regulations Document J, advises that an air supply, permanently open vents, should be installed for appliances:

If design air permeability $>5.0\text{m}^3/(\text{h.m}^2)$ then $550\text{mm}^2/\text{kW}$ of appliance rated output above 5kW
or

If design air permeability $\leq 5.0\text{m}^3/(\text{h.m}^2)$ then $550\text{mm}^2/\text{kW}$ of appliance rated output

Equivalent air is as measured according to the method in BS EN13141-1:2004

It is unlikely that a dwelling constructed prior to 2008 will have an air permeability of $<5.0\text{m}^3/(\text{h.m}^2)$ at 50pa unless extensive measures have been taken to improve air-tightness.

Useful Organizations UK

Solid Fuel Association

0845 601 4406

www.solidfuel.co.uk

The National Association of Chimney Sweeps

01785 811732

www.chimneyworks.co.uk

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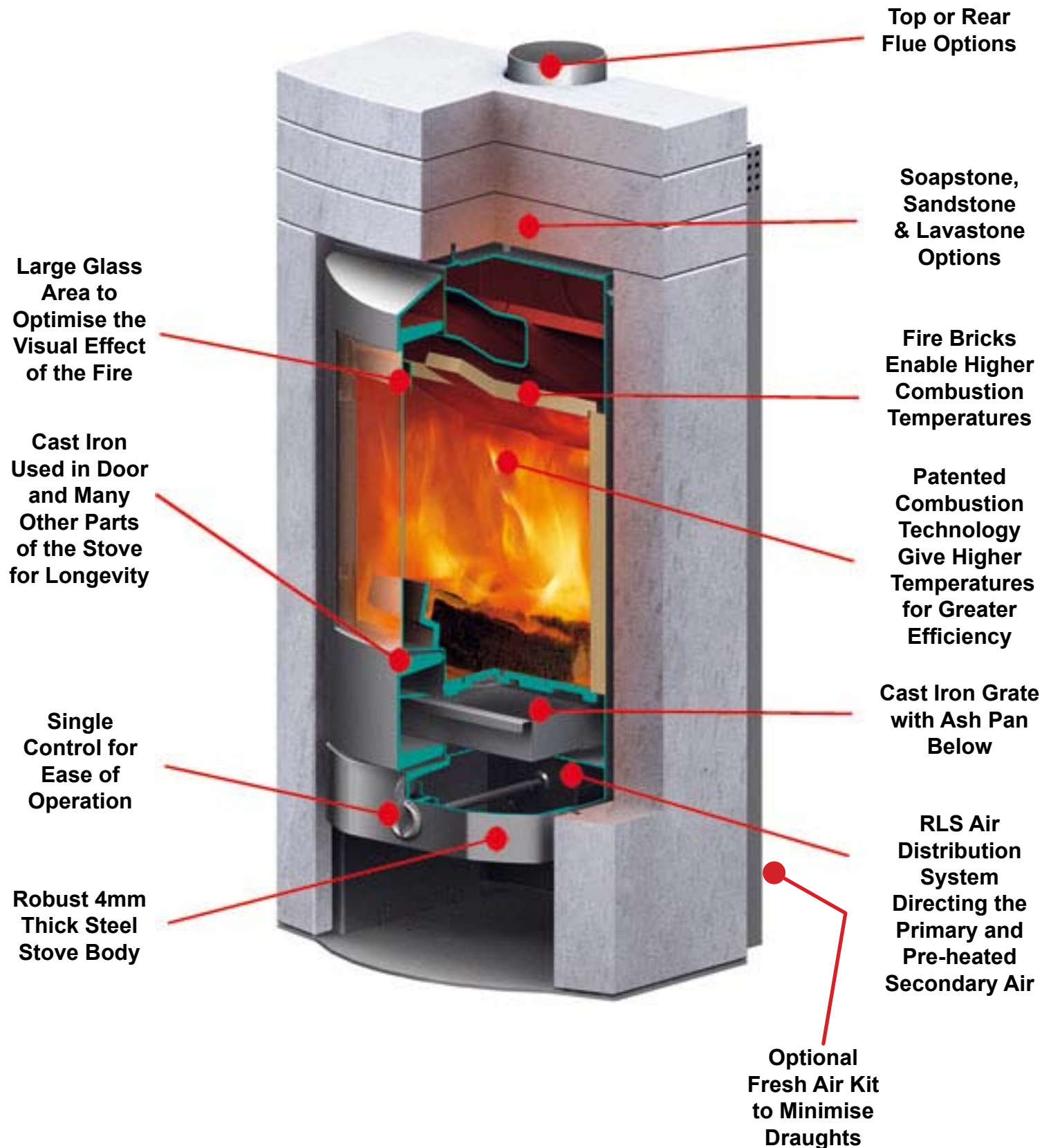
0845 634 5626

www.hetas.co.uk

E & OE Instructions Part number IN1210 Ed.2

Stoves Construction

The RLS control is the centre of the air inlet system. The fuel selection controls direct the air flow, either air wash or under grate. The burning rate controlled by the amount the fuel selection control is adjusted.



Flue Options

Model Name	Top	Rear	Top Cover Plate for Rear Flue Option
Cult	✓	✓	RKA1007
Cult Plus	✓	✓	RKA1007
Eco	✓	✓	RKA1001 Metallic, RKA1002 Black, RKA1003 Copper
Eco Plus	✓	✓	RKA1001 Metallic, RKA1002 Black, RKA1003 Copper
Fox	✓	✓	RKA1013
Jazz	✓	X	
Scena	✓	X	
Tara	✓	✓	RKT101 top outlet stove/ RKT102 rear outlet stove
Tema	✓	✓	RKA1027
Twist	✓	X	
Vitra	✓	✓	RKA1012

Changing Flue Direction

The procedure for changing the flue direction is very similar for all the Rika stoves. If there is a soapstone top and sides these may have to be removed first to be able to remove the rear heat shield and top flue collar. If there are plate fins fitted to the top of the stove these will need to be removed as the new top cover plate and fins will replace these.

Once the rear heat shield has been removed cut out the prestamp, round section, with a hacksaw blade.

Remove the top flue collar from the top of the stove and the rear flue blanking plate from the rear of the stove. These can then be swapped over ensuring that any gaskets are refitted to ensure an air tight seal.

If a new top cover plate and fins are to be fitted they should be fitted before the soapstone top and sides are replaced.

Caution:

Please remember when changing the flue pipe connection that the individual parts of the soapstone panelling weigh about 40 kg. In addition the surface of the soapstone should be protected to prevent scratching.

The Flue

Cult, Cult Plus, Eco, Eco Plus, Fox, Jazz, Tara, Tema, Twist, Vitra

It is not possible to access the flue for cleaning through the stove, therefore a sweeping access door must be fitted in the first section of flue pipe rising up from the stove. If the chimney has been lined with the same size flue as the flue pipe it will be possible to sweep from the flue access point. If the flue is of a larger size than the flue pipe it may not be possible to use a sweeping brush of an adequate size. In which case another cleaning access will be required. For detailed information see IN1173 The Wood and Mutlifuel Chimney and Installation Guide.

Scena

It is possible to remove the top chamber baffle to access the flue for cleaning. However we would advise that if at all possible an external cleaning access is provided. If the chimney has been lined with the same size flue as the flue pipe it will be possible to sweep from the flue access point. If the flue is of a larger size than the flue pipe it may not be possible to use a sweeping brush of an adequate size. In which case another cleaning access will be required. For detailed information see IN1173 The Wood and Mutlifuel Chimney and Installation Guide.

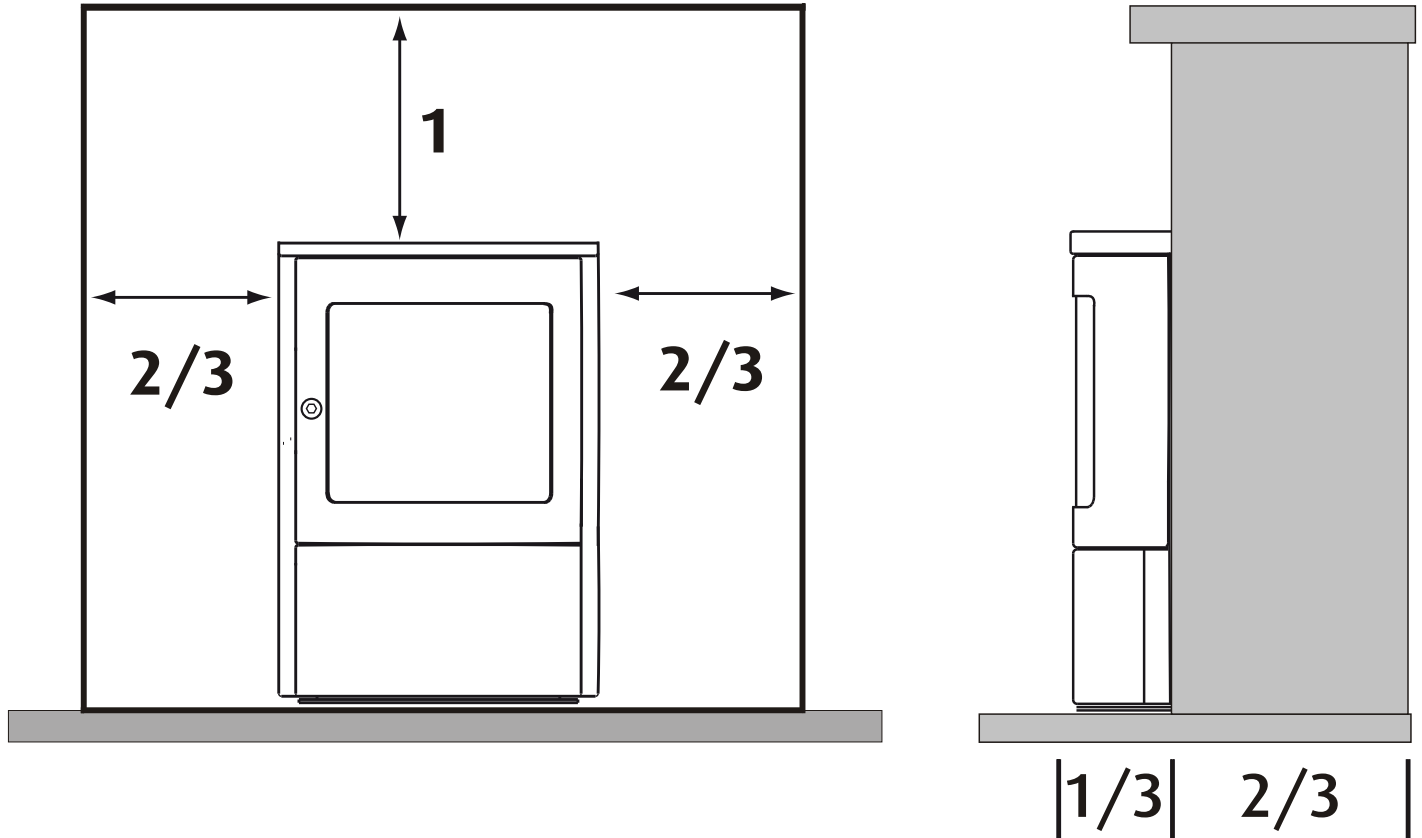
Rear Flue Connection to Flue System

When using the rear flue connection the length of horizontal flue pipe from the rear must not be greater than 150mm (6 Inches). A Tee piece must be used as this provides the flue system with a debris trap and also allows access to the flue.

Fireplace Design

Do not be tempted to fit the stove into an unsuitable fireplace. Beyond the requirements of Building Regulations and access to facilitate servicing the stove, providing a setting which will complement a stove is not a luxury, it is the practicality of making the most of an investment. A good builder or fireplace specialist will be able to transform even the most utilitarian of fireplaces. Whether altering its proportions to those of the "Golden Mean" ideal, see below, or exposing a wooden or stone lintel or simply removing superfluous detailing for a comparatively small cost, and the result will be a pleasure for many years.

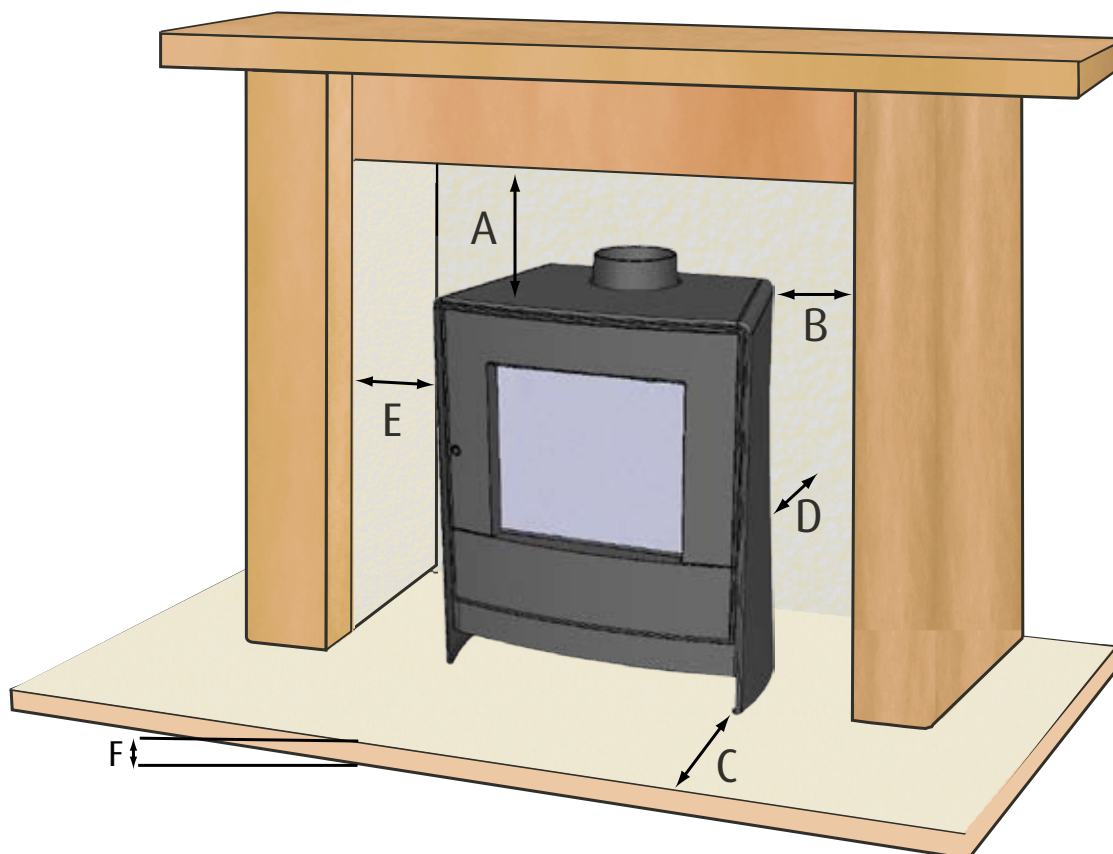
"Golden Mean"



1. The stove must always stand perfectly level. The provision of a suitable level hearth within the recess is an important consideration when planning a fireplace.
2. Sufficient space should be allowed for service work.
3. At least the minimum clearance from inflammable materials and conforming to the current Building Regulations.
4. Sufficient space around the stove so that the controls may be operated without the risk of injury to the operator and to allow access for servicing the appliance.
5. Mounting brackets should be installed to facilitate the secure fitting of a fire guard, if one is to be fitted to protect the young, elderly or infirm.
6. Curtains and soft furnishings should be a minimum of 1m from the stoves body or the surface temperature of these furnishings must not exceed 65°C.
7. The mounting of expensive paintings, mirrors and plasma screen televisions above a fireplace is not recommended.

Minimum Installation Clearances

From Combustible Materials



Minimum clearances from combustible materials						
Model	A	B	C	D	E	F*
Cult & Cult Plus	300mm	200mm	300mm	200mm	200mm	12mm
Eco & Eco Plus	300mm	200mm	300mm	200mm	200mm	12mm
Fox	300mm	200mm	300mm	200mm	200mm	12mm
Jazz	300mm	200mm	300mm	200mm	200mm	12mm
Scena	300mm	200mm	300mm**	200mm	200mm	12mm
Tara	300mm	200mm	300mm	200mm	200mm	12mm
Tema	300mm	200mm	300mm	200mm	200mm	12mm
Twist	300mm	300mm	300mm	300mm	300mm	12mm
Vitra	300mm	200mm	300mm	200mm	200mm	12mm

* When installed as a free standing appliance or in a prefabricated fireplace. All other applications must conform to current constructional fireplace requirements per Building Regulations with a Constructional Hearth.

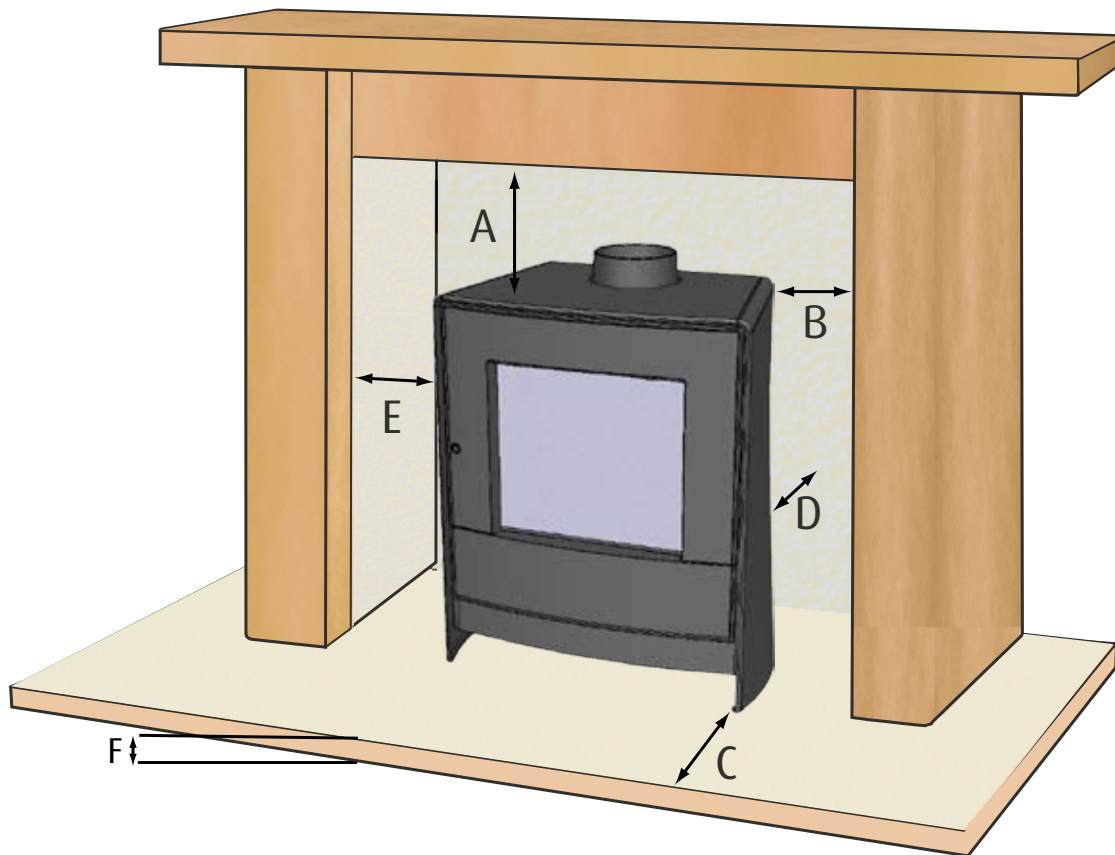
** The Scena has a very large opening door and we would recommend a hearth of 800mm in front of the stove.

In all installations surrounding flammable materials must not exceed 65°C.

Curtains and furnishings should be a minimum of 1m from the stove or the surface temperature must not exceed 65°C.

Minimum Installation Clearances

From Non-Combustible Materials



	From Non-Combustible Materials					
Model	A	B	C	D*	E	F**
Cult, Cult Plus, Eco, Eco Plus, Fox, Jazz, Tara, Tema, Vitra	300mm	100mm	300mm	100mm	100mm	12mm
Scena	300mm	100mm	300mm#	100mm	100mm	12mm
Twist	300mm	300mm	300mm	100mm	300mm	12mm

* When being installed with the fresh air kit further clearance may be required so access can be gained for removal of the fresh air kit for cleaning.

** When installed as a free standing appliance or in a prefabricated fireplace. All other applications must conform to current constructional fireplace requirements as per Building Regulations.

The Scena has a very large opening door and we would recommend a hearth of 800mm in front of the stove.

General Advice

Not all fireplace apertures are square or rectangular boxes. In cases of where apertures taper or there is an arch top for example a careful assessment should be made to confirm operational clearances can be achieved.

Rules of Thumb

If the clearances at the sides are small but the clearances at the top are large this will still allow access to remove the fresh air kit for cleaning if fitted.

Heat likes to rise, allow as much space as possible above the appliance for heat to escape into the room. If there is only a small aperture above the stove, bring the stove out into the room by at least 2/3rds to assist with the heat distribution.

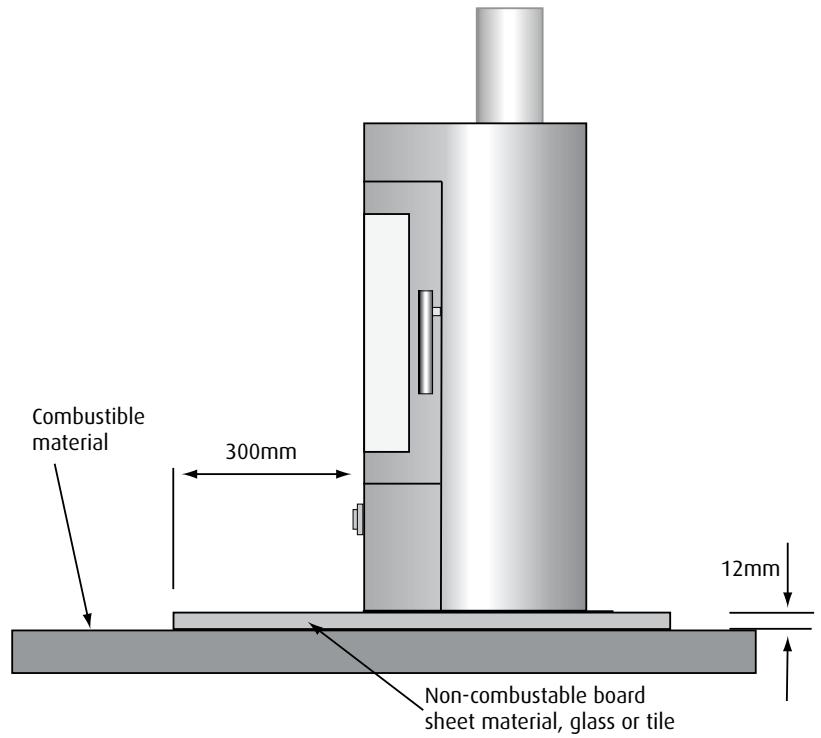
Always consider that the stove is a heating appliance and would distribute its heat best when free standing. So allow as much space around the stove as possible even if it requires removal of fireplace surround material to create an ideal opening. (Expert building advice may be required).

Hearths

The stove should stand wholly above a hearth constructed of suitably robust materials and should be able to accommodate the weight of the appliance and its unsupported flue components. The materials should conform to local Building Regulations and British Standards.

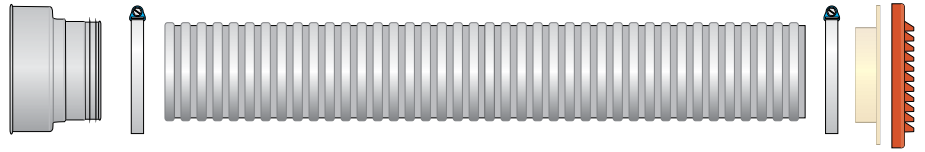
If the stove is not to stand in a purpose built fireplace recess (this excludes prefabricated constructions) a hearth made of non-combustible board, steel material, tiles or glass of at least 12mm thick may be used as long as the floor can accommodate the weight of the appliance and its unsupported flue components.

All the Rika wood stoves conform to standards EN 13240, where the hearth temperature does not exceed 100°C. This means a hearth of only 12mm of non combustible material may be used. This information only applies to our range of appliances.

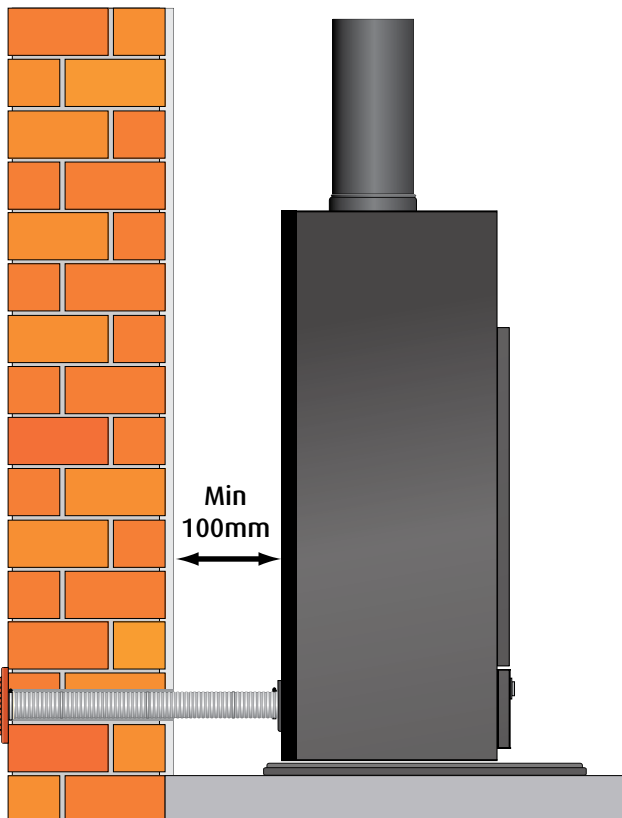


Caution do not fit a 12mm hearth to other manufacturers products unless documentation is provided to prove hearth temperatures.

Contents of the Vent Kit



The venting kit comprises of the stove adapter, 2 jubilee clips, 1 meter of 100mm flexible tube and the external cover vent.



Attach one end of the flexible tube with a jubilee clip to the stove adapter and slide this onto the spigot on the air duct at the rear of the stove. There may be a knock out plate covering the air inlet at the rear of the stove which will need to be removed by using a hacksaw blade. The flexible tube can then be put through the wall and secured to the external vent cover with the other jubilee clip and the vent cover secured to the outside wall.

The flexible tube can be extended to a maximum of 3 metres. This allows for the venting kit to be used in many applications following more convoluted routes than the one shown below. It can also be attached to a 100mm soil pipe which may have been laid into a floor to duct air to the stove.

Commissioning Check List

Mark box when completed



Inspect the door and glass seals and ensure all handle latches are adjusted correctly.

Check baffle is installed correctly and that the riddling mechanism is operating.

Light the stove and ensure that the fire responds to the operation of the controls and that there are no visible emissions of the combustion products into the room.

Instruct the user on the use of the tools, operation of the appliance and the summer shut down procedure. Information in the operating instructions.

Instruct the user never to operate the stove with the furnace door or ash pan door open and that the user is aware of the requirement of a suitable fire guard where children, the old or infirm may come into contact with the appliance.

Hand over the installation instructions, operating instructions and completed warranty form to the user. Remind the owner to return the warranty form for registration.

Complete the Stoves Registration Form and Pass to User for Registration

Carbon Monoxide Alarms

Where a new solid fuel stove is installed in a property a carbon monoxide alarm should be located in the same room where the appliance is located:

- on the ceiling at least 300mm from any wall or, if it is located on a wall, as high up as possible (above any doors and windows) but not within 150mm of the ceiling; and
- between 1m and 3m horizontally from the appliance.

Carbon monoxide alarms should comply with BS EN 50291:2001 and be powered by a battery designed to operate for the working life of the alarm. The alarm should incorporate a warning device to alert users when the working life of the alarm is due to end. Mains-powered BS EN 50291 Type A carbon monoxide alarms with fixed wiring (not plug in types) may be used as alternative applications provided they are fitted with a sensor failure warning device.

Information from the Euroheat Technical Team

Euroheat and RIKA have a policy of continual research and development and reserve the right to modify its appliances without prior notice. We make every effort to ensure that the information provided in this document is correct and accurate at the time of printing. Continued updates occur to adapt documents to customer requirements and appliance changes. For the latest editions of all Euroheat documentation visit our web site www.euroheat.co.uk.

We would request that you inform Euroheat of information which you feel is not provided in this document which would assist other users in the future.

The Euroheat Technical Team



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