



## Oil Fired Home Heating Installations – energy efficiency checklist

This energy assessment is *not* a service or safety check. You should ensure your heating system is regularly maintained and inspected by a competent heating engineer to ensure its safety and efficiency.

This is part of an initiative to help homeowners cut their fuel bills and reduce their carbon emissions.

### Section 1 – Installation information

Customer Name	
Installation Address	
Customer Address (if different)	
Date of assessment	

### Section 2 – Stored Hot Water Systems (if applicable)

Are the water pipes connected to the cylinder insulated?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does the hot water cylinder have spray foam insulation or a jacket with a thickness greater than 75mm?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

### Section 3 – Heating Controls

Does the system incorporate time control?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does the system have thermostatic radiator valves (TRV)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does the system have room thermostat(s) and boiler interlock <sup>1</sup> ?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does the hot water cylinder have a thermostat and boiler interlock <sup>1</sup> ?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

<sup>1</sup> Boiler interlock ensures the boiler and pump shuts down when heating and/or hot water are at the required temperature

### Section 4 – Boiler

Manufacturer		Approximate Age	
Model name/number			
The Energy Efficiency of your boiler			
<input type="checkbox"/> High efficiency (A-C rating) <input type="checkbox"/> D rated <input type="checkbox"/> E rated <input type="checkbox"/> F rated <input type="checkbox"/> High G rated <input type="checkbox"/> Low G rated			

### Section 5 – Energy Efficiency Assessment

*A brief inspection of your heating system has been carried out in accordance with recommended industry good practice. Depending upon the outcome of this inspection there may be an opportunity for you to improve the energy efficiency of the system, thereby reducing emissions to the environment and at the same time reducing your fuel bills.*

In any of the following cases you are strongly advised to obtain a more thorough examination of your boiler and complete heating system by a competent heating engineer.

- If any of the answers in Sections 2 and 3 are 'No',
- If the boiler is rated D or below
- If the boiler is more than 15 years old or if a complete examination of the design and condition of your heating system has not been carried out in the last 15 years.

Name of service engineer	
Signature of service engineer	

## Potential savings – all information is provided by the Energy Saving Trust



Improving your heating system and controls	Typical Annual saving up to (£/yr)	CO <sub>2</sub> savings
Insulating hot water pipes connected to the hot water cylinder	£10	100 kg/yr
Insulating your hot water cylinder with a jacket thicker than 75mm	£25	220 kg/yr
Installing heating controls	£80	720 kg/yr
Changing from a D rated boiler to an A rated boiler could save you:	£67	790 Kg/yr
Changing from an E rated boiler to an A rated boiler could save you:	£97	1.1 tonnes/yr
Changing from an F rated boiler to an A rated boiler could save you:	£128	1.5 tonnes/yr
Changing from a High G rated boiler to an A rated boiler could save you:	£196	2.2 tonnes/yr
Changing from a Low G rated boiler to an A rated boiler could save you:	£320	3.7 tonnes/yr
Other possible home improvements	Typical Annual saving up to (£/yr)	CO <sub>2</sub> savings
Cavity Wall insulation	£110	1.0 tonnes/yr
Solid Wall insulation (internal)	£370	3.3 tonnes/yr
Solid Wall insulation (external)	£370	3.3 tonnes/yr
Double glazing	£110	1.0 tonnes/yr
Loft insulation (new installation to a thickness of 270mm)	£140	1.3 tonnes/yr
Floor insulation	£55	500 kg/yr
Draught proofing	£25	210 kg/yr
Filling gaps between floor and skirting board	£20	180 kg/yr

The other savings shown are approximate and are provided as an *illustration* only. They are based on an oil heated semi-detached house with 3 bedrooms, using an oil price of 3.1p/kWh. Some of the savings made may be taken in increased comfort. The actual annual savings will vary depending on the type of appliance, size and age of house and type of fuel used. If you implement more than one of the improvements, the total savings may be less than the sum of the individual savings.

An Energy Performance Certificate will give you an energy rating for your home and *specific* recommendations and savings for your property. Energy Performance Certificates (EPCs) are a legal requirement within a Home Information Pack for the marketed sales of homes. EPCs will be required for homes when rented from 1 October 2008.

For advice on how to take action and to find out about offers available to help make your home more energy efficient, call **0800 512 012** or visit [www.energysavingtrust.org.uk/myhome](http://www.energysavingtrust.org.uk/myhome)

To determine what size boiler you need for your home: visit [www.sedbuk.com](http://www.sedbuk.com) and click on 'Recommended Boiler Size'. By providing some basic details about the size of your home, you can see what size of boiler you need.

For a more thorough inspection of your heating system you should contact a competent heating engineer with an energy efficiency qualification.

Contact OFTEC if you have any concerns about the safety of your boiler or to check your installer is OFTEC registered on **0845 6585080** or visit [www.oftec.org/consumers](http://www.oftec.org/consumers)

### Address Details