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Energy performance certificate (EPC)

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403B Baddow Road Great Baddow CHELMSFORD CM2 7QL	Energy rating B
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Valid until 23 January 2033	Certificate number 0711-3974-2098-2427-6285
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Property type	Detached house
Total floor area	135 square metres

Rules on letting this property

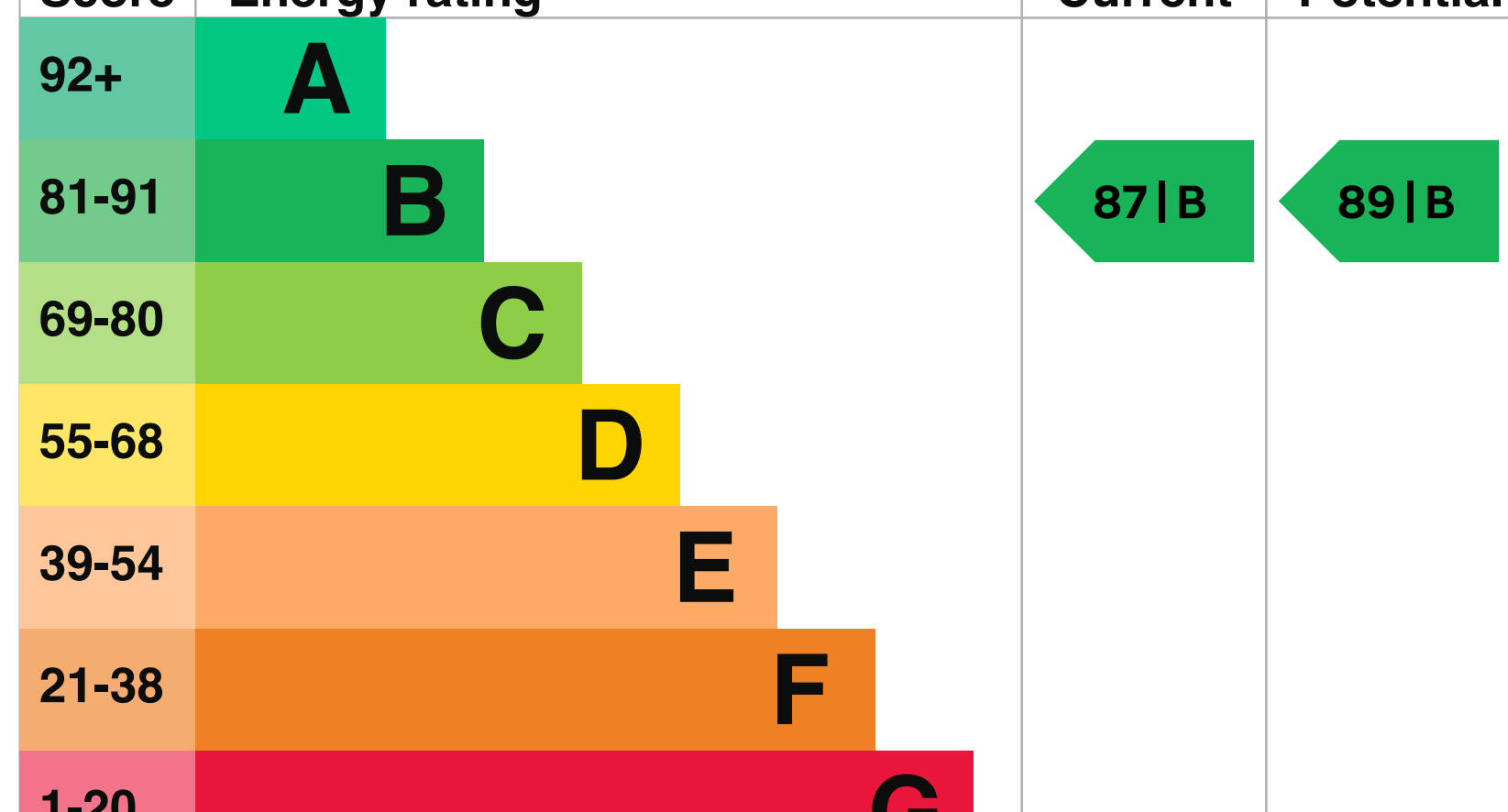
Properties can be let if they have an energy rating from A to E.

You can read [guidance for landlords on the regulations and exemptions](#).

Energy efficiency rating for this property

This property's current energy rating is B. It has the potential to be B.

[See how to improve this property's energy performance.](#)



The graph shows this property's current and potential energy rating.

Properties get a rating from A (best) to G (worst) and a score. The better the rating and score, the lower your energy bills are likely to be.

For properties in England and Wales:

- the average energy rating is D
- the average energy score is 60

Breakdown of property's energy performance

This section shows the energy performance for features of this property. The assessment does not consider the condition of a feature and how well it is working.

Each feature is assessed as one of the following:

- very good (most efficient)
- good
- average
- poor
- very poor (least efficient)

When the description says "assumed", it means that the feature could not be inspected and an assumption has been made based on the property's age and type.

Feature	Description	Rating
Walls	Average thermal transmittance 0.22 W/m ² K	Very good
Roof	Average thermal transmittance 0.14 W/m ² K	Very good
Floor	Average thermal transmittance 0.13 W/m ² K	Very good
Windows	High performance glazing	Very good
Main heating	Boiler & underfloor, mains gas	Good
Main heating control	Time and temperature zone control	Very good
Hot water	From main system	Good
Lighting	Low energy lighting in all fixed outlets	Very good
Air tightness	Air permeability 4.2 m ³ /h.m ² (as tested)	Good
Secondary heating	None	N/A

Low and zero carbon energy sources

Low and zero carbon energy sources release very little or no CO₂. Installing these sources may help reduce energy bills as well as cutting carbon emissions. The following low or zero carbon energy sources are installed in this property:

- Solar photovoltaics

Primary energy use

The primary energy use for this property per year is 68 kilowatt hours per square metre (kWh/m²).

[What is primary energy use?](#)

Environmental impact of this property

This property's current environmental impact rating is B. It has the potential to be B.

Properties get a rating from A (best) to G (worst) on how much carbon dioxide (CO₂) they produce each year. CO₂ harms the environment.

An average household produces	6 tonnes of CO ₂
This property produces	1.7 tonnes of CO ₂
This property's potential production	1.4 tonnes of CO ₂

You could improve this property's CO₂ emissions by making the suggested changes. This will help to protect the environment.

Environmental impact ratings are based on assumptions about average occupancy and energy use. They may not reflect how energy is consumed by the people living at the property.

Improve this property's energy rating

[Do I need to follow these steps in order?](#)

Step 1: Solar water heating

Typical installation cost	£4,000 - £6,000
Typical yearly saving	£46
Potential rating after completing step 1	89 B

Paying for energy improvements

You might be able to get a grant from the [Boiler Upgrade Scheme](#). This will help you buy a more efficient, low carbon heating system for this property.

Estimated energy use and potential savings

Based on average energy costs when this EPC was created:

Estimated yearly energy cost for this property	£623
Potential saving if you complete every step in order	£46

The estimated cost shows how much the average household would spend in this property for heating, lighting and hot water. It is not based on how energy is used by the people living at the property.

Heating use in this property

Heating a property usually makes up the majority of energy costs.

Estimated energy used to heat this property

Type of heating	Estimated energy used
Space heating	6103 kWh per year
Water heating	2272 kWh per year

Potential energy savings by installing insulation

The assessor did not find any opportunities to save energy by installing insulation in this property.

Saving energy in this property

[Find ways to save energy in your home.](#)

Contacting the assessor and accreditation scheme

This EPC was created by a qualified energy assessor.

If you are unhappy about your property's energy assessment or certificate, you can complain to the assessor directly.

If you are still unhappy after contacting the assessor, you should contact the assessor's accreditation scheme.

Accreditation schemes are appointed by the government to ensure that assessors are qualified to carry out EPC assessments.

Assessor contact details

Assessor's name	Nicola Griggs
Telephone	03301249271
Email	nicola.griggs@stroma.com

Accreditation scheme contact details

Accreditation scheme	Stroma Certification Ltd
Assessor ID	STRO036609
Telephone	0330 124 9660
Email	certification@stroma.com

Assessment details

Assessor's declaration	No related party
Date of assessment	24 January 2023
Date of certificate	24 January 2023
Type of assessment	SAP

Other certificates for this property

If you are aware of previous certificates for this property and they are not listed here, please contact us at dluhc.digital-services@levellingup.gov.uk or call our helpdesk on 020 3829 0748 (Monday to Friday, 9am to 5pm).

There are no related certificates for this property.

