# Predicted Energy Assessment

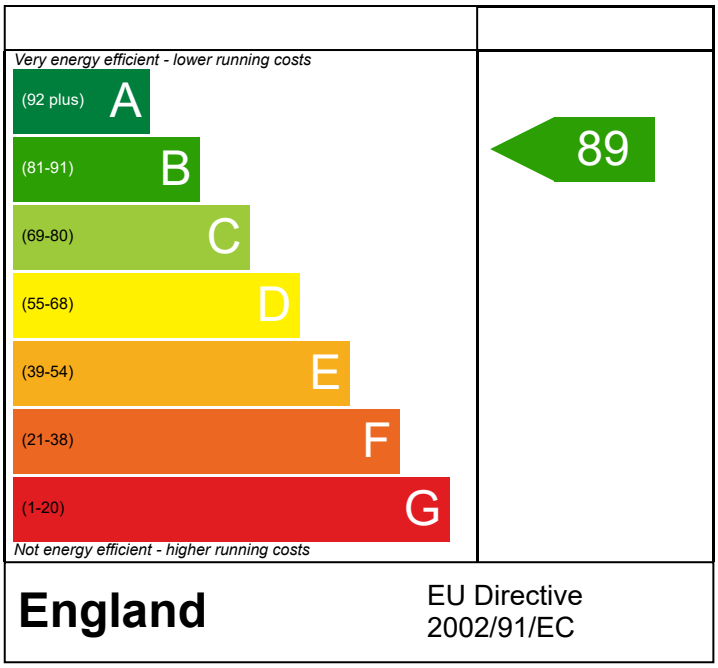
Plot 24, Skellingthorpe Road, LINCOLN, LN1

| | |
|---|---|
| Dwelling type: | House, Semi-Detached |
| Date of assessment: | 23/01/2025 |
| Produced by: | Robert Atherton |
| Total floor area: | 92.4 m² |
| DRRN: | 3225-8192-7015 |

This document is a Predicted Energy Assessment for properties marketed when they are incomplete. It includes a predicted energy rating which might not represent the final energy rating of the property on completion. Once the property is completed, this rating will be updated and an official Energy Performance Certificate will be created for the property. This will include more detailed information about the energy performance of the completed property.

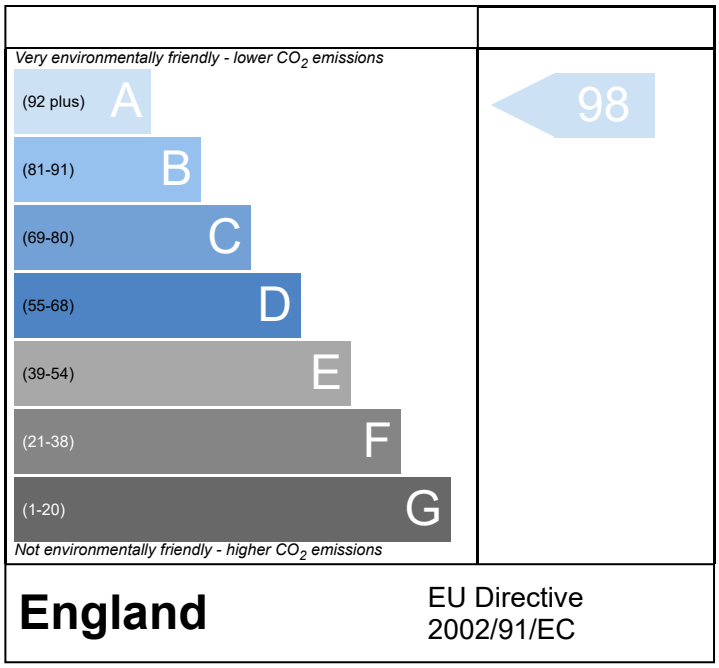
The energy performance has been assessed using the Government approved SAP 10 methodology and is rated in terms of the energy use per square meter of floor area; the energy efficiency is based on fuel costs and the environmental impact is based on carbon dioxide (CO2) emissions.

## Energy Efficiency Rating




The energy efficiency rating is a measure of the overall efficiency of a home. The higher the rating the more energy efficient the home is and the lower the fuel bills are likely to be.

## Environmental Impact ($CO_2$) Rating




The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide ($CO_2$) emissions. The higher the rating the less impact it has on the environment.

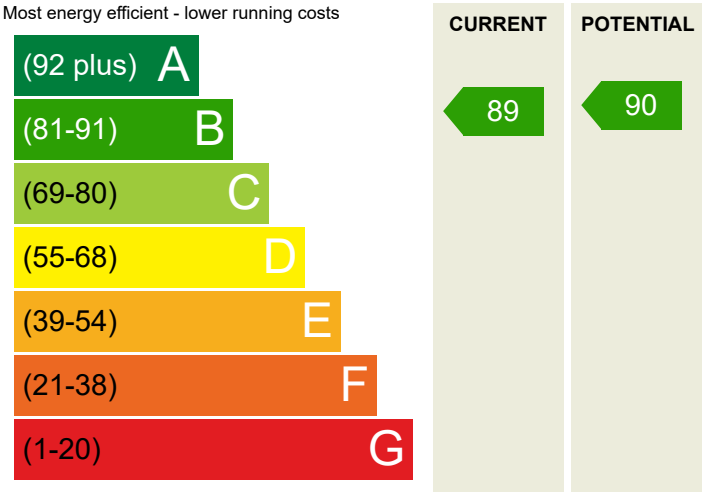
# Energy Report

| | |
|---|---|
| Dwelling Address | Plot 24, Skellingthorpe Road, LINCOLN, LN1 |
| Reference | 22259 Plot 24-22259 Plot 24 |
| Assessment Date | 23/01/2025 |
| Submission Date | 23/01/2025 |
| Property Type | House, Semi-Detached |
| Total Floor Area | 92 |

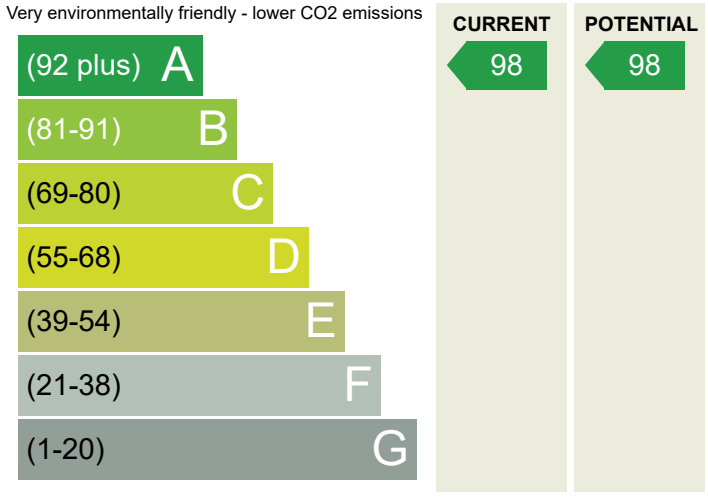
This Energy Report has been generated using the UK's National Calculation Methodology for dwellings, Standard Assessment Procedure (SAP). This methodology is used to assess the energy efficiency of dwellings which is calculated based on a dwelling's heating, hot water, ventilation and lighting usage.

This document is not an Energy Performance Certificate (EPC) as required by the Energy Performance of Buildings Regulations

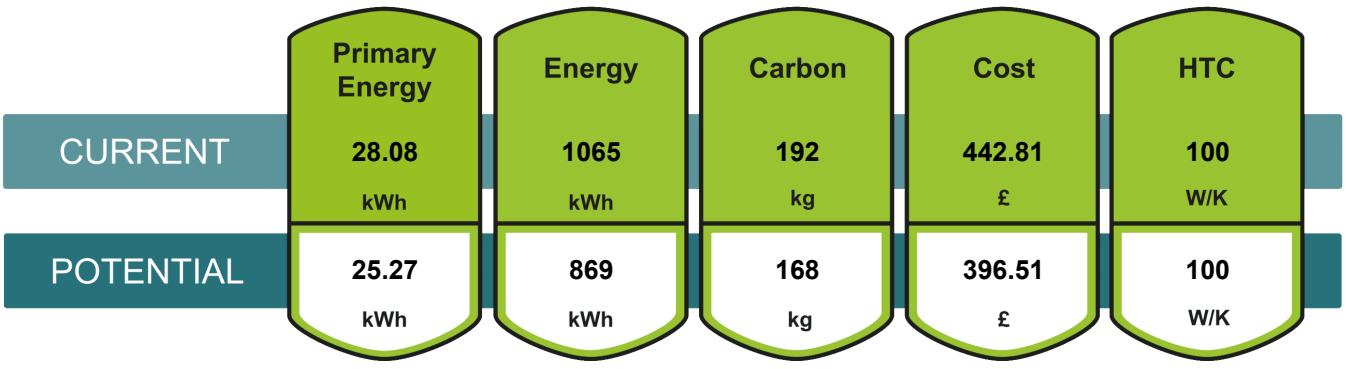
## Energy Efficiency Rating




## Carbon Dioxide (CO2) Emissions Rating




## Additional ratings for your home



# Energy Report

## Breakdown of property's energy performance

Each feature is assessed as one of the following:

Very Poor | Poor | Average | Good | Very Good

| Feature | Description | Energy Performance |
|---|---|---|
| Walls | Average thermal transmittance 0.19 W/m²K | Very Good |
| Roof | Average thermal transmittance 0.1 W/m²K | Very Good |
| Floor | Average thermal transmittance 0.12 W/m²K | Very Good |
| Windows | High performance glazing | Good |
| Main heating | Air source heat pump, radiators and underfloor, electric | Average |
| Main heating controls | Programmer and room thermostat | Average |
| Secondary heating | None | |
| Hot water | From main system | Good |
| Lighting | Excelent lighting efficiency | Very Good |
| Air tightness | Air permeability [AP50] = 4.5 m³/h.m² (assumed) | Good |

## Recommendations

The recommended measures provided below will help to improve the energy efficiency of the dwelling.
To reach the dwelling's potential energy rating all of the recommended measures shown below would need to be installed.
Having these measures installed individually or in any other order may give a different result when compared with the cumulative potential rating.

| Recommended measures | Cumulative savings (per year) | Cumulative rating | Typical costs | Incremental savings (per year) | Cumulative CO2 rating |
|---|---|---|---|---|---|
| Solar water heating | £46 | B 90 | £4,000 - £6,000 | £46 | A 98 |

The typical cost is based on average installation prices across the country so may not be representative of the actual costs in your area.

# Energy Report

## Estimated energy costs of the dwelling

The table below shows the estimated running costs of the space and water heating and lighting within the dwelling. It does not include the energy used from household appliances. The estimated annual costs after potential improvements indicates the total energy cost if all recommended measures named above were installed.

| | Estimated annual costs | Estimated annual costs after potential improvements | Potential future savings |
|---|---|---|---|
| Lighting | £52 | £52 |   |
| Heating | £377 | £398 | |
| Hot Water | £289 | £217 | |
| New Technologies e.g. Impact of PV | -(£275) | -(£270) | |
| TOTAL | £443 | £397 | |

## Estimated energy use and potential savings

Space Heating
**1412**
**kWh per year**

Water Heating
**1110**
**kWh per year**

# Energy Report

## About this document

| | |
|---|---|
| Created by: | |
| Company/Trading name: | |
| Phone number: | |
| Email address: | |

**Disclaimer**

This Energy Report should not under any circumstances be treated as a Condition Survey and cannot be used to indicate that any element of the dwelling (e.g.heating system) is working correctly.
This Energy Report must not be used in situations where an Energy Performance Certificate (EPC) is required.
This Energy Report is generated from a set of data inputs which may not reflect the actual dimensions, services or construction of the dwelling.
The calculation used to generate this report reflects the SAP Methodology current at the time of report generation.

## Glossary terms for additional metrics

| | |
|---|---|
| Primary Energy | The measure of the energy required for lighting, heating and hot water in a property. This includes the efficiency of the property's heating system, power station efficiency for electricity and the energy used to produce the fuel and deliver it to the property. |
| Energy Used | The estimated amount of fuel energy for lighting, heating and hot water for the property. The estimate is based on typical usage which is likely to be different to actual consumption. |
| Carbon (CO2) | The current emissions based on the energy estimates. |
| Cost | The estimated cost of energy. The cost of each unit of fuel is based on an industry standard which is likely to be different to those the occupier actually pays. |
| Heat Transfer Coefficient | Heat flow through the property envelope where internal and external temperatures are different. |