

Energy performance certificate (EPC) recommendation report

38 Wheata Road
SHEFFIELD
S5 9FL

Report number
7423-4190-8935-2497-0130

Valid until
28 February 2034

Energy rating and EPC

This property's energy rating is C.

For more information on the property's energy performance, see the EPC for this property.

Recommendations

Changes that may pay for themselves within 3 years

Recommendation	Potential impact on carbon emissions
Consider replacing T8 lamps with retrofit T5 conversion kit.	High
In some spaces, the solar gain limit defined in the NCM is exceeded, which might cause overheating. Consider solar control measures such as the application of reflective coating or shading devices to windows.	Medium

Changes that may pay for themselves within 3 to 7 years

Recommendation	Potential impact on carbon emissions
Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.	Low
The default heat generator efficiency is chosen. It is recommended that the heat generator system be investigated to gain an understanding of its efficiency and possible improvements.	Low
Some walls have uninsulated cavities - introduce cavity wall insulation.	Medium
Some windows have high U-values - consider installing secondary glazing.	Medium
Add weather compensation controls to heating system.	Medium
Add local time control to heating system.	Medium

Changes that may pay for themselves in over 7 years

Recommendation	Potential impact on carbon emissions
Some solid walls are poorly insulated - introduce or improve internal wall insulation.	Medium
Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.	Medium
Some glazing is poorly insulated. Replace/improve glazing and/or frames.	Medium
Consider installing an air source heat pump.	High
Consider installing a ground source heat pump.	High

Property and report details

Report issued on	29 February 2024
Total useful floor area	52 square metres
Building environment	Heating and Natural Ventilation
Calculation tool	Elmhurst Energy Systems Ltd, SBEM Online, v6.02, SBEM, v6.1.e.0

Assessor's details

Assessor's name	James Lee
Telephone	0121 308 8781
Email	james-lee1@sky.com
Employer's name	James Lee
Employer's address	3 St Blaise Road, Sutton Coldfield, West Midlands, B75 5NH
Assessor ID	EES/019653
Assessor's declaration	The assessor is not related to the owner of the property.
Accreditation scheme	Elmhurst Energy Systems Ltd
