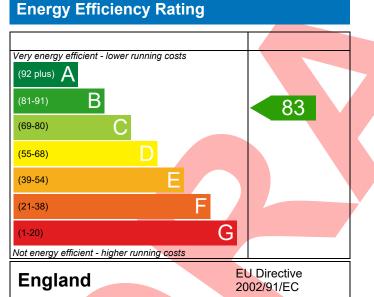
PREDICTED ENERGY ASSESSMENT



L201, 3 Bed, K, WC, B, ES Dwelling type: Date of assessment: Produced by: Total floor area: House, Semi-Detached 12/01/2023 Silvio Junges 80.36 m²

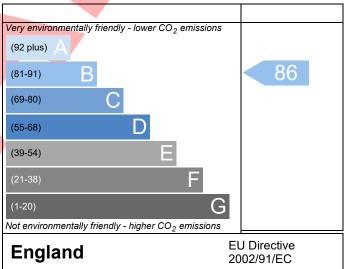
This document is a Predicted Energy Assessment for properties marketed when they are incomplete. It includes a predicted energy rating which might not represent the final energy rating of the property on completion. Once the property is completed, this rating will be updated and an official Energy Performance 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 SAP2012 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 (CO_2) emissions.



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 (CO₂) 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.

This report has not been submitted through the Elmhurst Energy members' portal, therefore results are subject to change when the dwelling is completed.



BUILDING REGULATION COMPLIANCE Calculation Type: New Build (As Designed)



Environmental 86 B % DER <ter< td=""> 1.15 CO, Emissions (t/year) 1.21 DFEE 46.76 TFEE 5. General Requirements Compliance Pass % DFE 9.64 5. Assessor Details Miss Maja Stanisz, Maja Stanisz, Tel: 01392 581 875, maja stanisz@aessc.co.uk Assessor ID P637 Client SUMARY FOR INPUT DATA FOR New Build (As Designed) Criterion 1 – Achieving the TER and TFEE rate 1.00 (mains gas) 1.01 SUMARY FOR INPUT DATA FOR New Build (As Designed) Criterion 1 – Achieving the TER and TFEE rate 1.00 (mains gas) 1.00 (mains gas) 1.00 (mains gas) Target Carbon Dioxide Emission Rate (TER) 1.8.25 kgCO₂/m² 0.21 (-1.1%) kgCO₂/m² Dwelling Carbon Dioxide Emission Rate (DER) 18.25 kWh/m²/yr 0.22 (-1.1%) kWh/m²/yr Dwelling Fabric Energy Efficiency (DFEE) 51.75 kWh/m²/yr kWh/m²/yr 5.0 (-9.7%) kWh/m²/yr Uniting Fabric Energy Efficiency (DFEE) 51.75 kWh/m²/yr 5.0 (-9.7%) kWh/m²/yr Uniting Fabric Standards 2 fabric Linadards 2 fabric Linadards 2 fabric Standards 2 fabric Standards 3.0 (-9.7%) 2.0</ter<>	Issued on Date 12/01/20			4907-P637-6196-L201	Property Reference				
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	m³/(h.m²) @ 50 Pa Pas		10.0						
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4 nearing enciency					<u>4 Heating efficiency</u>				

This report has not been submitted through the Elmhurst Energy members' portal, therefore results are subject to change when the dwelling is completed.



BUILDING REGULATION COMPLIANCE Calculation Type: New Build (As Designed)



Main heating system	Boiler system with radiators or underfloor - Mains gas Data from database	Pass
	Ideal LOGIC COMBI ESP1 35	
	Combi boiler Efficiency: 89.6% SEDBUK2009	
	Minimum: 88.0%	
Secondary heating system	None	
5 Cylinder insulation		
Hot water storage	No cylinder	
<u>6 Controls</u>		
Space heating controls	Programmer, room thermostat and TRVs	Pass
Hot water controls	No cylinder	
Boiler interlock	Yes	Pass
7 Low energy lights		
Percentage of fixed lights with low-energy fittings	100 %	
Minimum	75 %	Pass
8 Mechanical ventilation		
Not applicable		
iterion 3 – Limiting the effects of heat gains in sur	mmer	
Summertime temperature		
Overheating risk (Thames Valley)	Slight	Pass
ised on:		
Overshading	Average	
Windows facing South East	4.53 m ² , No overhang	
Windows facing North West	6.99 m ² , No overhang	
Windows facing North West Air change rate	6.99 m ² , No overhang 4.00 ach	
Windows facing North West Air change rate Blinds/curtains	6.99 m², No overhang 4.00 ach None	
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with	6.99 m², No overhang 4.00 ach None	
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls	6.99 m ² , No overhang 4.00 ach None DER and DFEE rate	
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with	6.99 m², No overhang 4.00 ach None	Pass
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type	6.99 m ² , No overhang 4.00 ach None DER and DFEE rate U-value	Pass
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing	6.99 m ² , No overhang 4.00 ach None DER and DFEE rate U-value	Pass
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing	6.99 m ² , No overhang 4.00 ach None DER and DFEE rate U-value	Pass
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing <u>3 Air permeability</u>	6.99 m², No overhang 4.00 ach None DER and DFEE rate U-value 0.00 W/m²K	Pass
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing <u>3 Air permeability</u> Air permeability at 50 pascals Maximum	6.99 m², No overhang 4.00 ach None DER and DFEE rate U-value 0.00 W/m²K 5.01 (design value) m³/(h.m²) @ 50 Pa	
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing <u>3 Air permeability</u> Air permeability at 50 pascals Maximum	6.99 m², No overhang 4.00 ach None DER and DFEE rate U-value 0.00 W/m²K 5.01 (design value) m³/(h.m²) @ 50 Pa	
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing 3 Air permeability Air permeability at 50 pascals Maximum Key features	6.99 m²/No overhang 4.00 ach None DER and DFEE rate U-value 0.00 W/m²K 5.01 (design value) m³/(h.m²) @ 50 Pa 10.0 m³/(h.m²) @ 50 Pa	
Windows facing North West Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing 3 Air permeability Air permeability at 50 pascals Maximum D Key features Party wall U-value	6.99 m², No overhang 4.00 ach None DER and DFEE rate U-value 0.00 W/m²K 5.01 (design value) m³/(h.m²) @ 50 Pa 10.0 m³/(h.m²) @ 50 Pa 0.00 W/m²K	

This report has not been submitted through the Elmhurst Energy members' portal, therefore results are subject to change when the dwelling is completed.



RECOMMENDATIONS



	Typical cost	Typical savings per year	Energy efficiency	Environmental impact	Result
Low energy lights			0	0	Already installed
Solar water heating	£4,000 - £6,000	£26	B 85	B 88	Recommended
Photovoltaic	£3,500 - £5,500	£373	A 95	A 97	Recommended
Wind turbine			0	0	Not applicable
Totals	£7,500 - £11,500	£398	A 95	A 97	
Totals	17,500 - 111,500	1390	A 95	A 57	

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