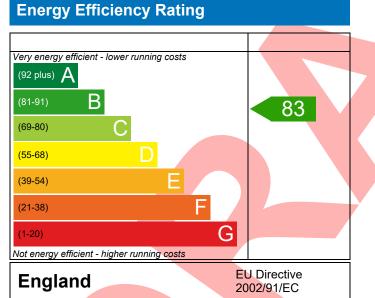


L207, 3 Bed, K, U, WC, B, ES

Dwelling type: Date of assessment: Produced by: Total floor area: House, Detached 12/01/2023 Silvio Junges 90.16 m²

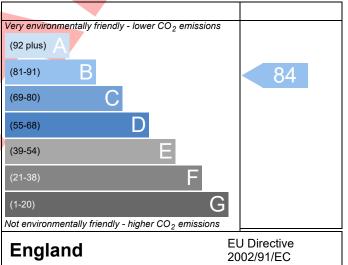
This document is a Predicted Energy Assessment for properties marketed when they are incomplete. It includes a predicted energy rating which might not represent the final energy rating of the property on completion. Once the property is completed, this rating will be updated and an official Energy Performance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



Page 1 of 4

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



Assessment Reference I207 Prop Type Ref Mountford Det AS Reference Property I207, 3 Bed, K, U, WC, B, ES Property I207, 3 Bed, K, U, WC, B, ES SAP Rating 83 B DER 19.17 TER 2.46 C0, Emissions (I/year) I.44 DFEE 56.13 TFEE 61.64 General Requirements Compliance Pass % DFEETTER 8.93 Assessor ID P637-001 Assessor Details Miss Maja Stanisz, Maja Stanisz, Tel: 01392 581 875, Assessor ID P637-001 SUMARY FOR INPUT DATA FOR New Build (As Designed) Criterion 1 Assessor ID P637-001 Citent ID65 kgCO ₂ /m ² Pass Pass Fuel for main heating IJ.00 (mains gas) Pass Pass Fuel for main heating IJ.03 Ig.65 kgCO ₂ /m ² Pass Develling Carbon Dioxide Emission Rate (DER) IJ.64 KWh/m ² /yr Pass Develling Fabric Energy Efficiency (DFEE) 56.13 KWh/m ² /yr Pass Dieffet and DFEE Imiting Fabric Standards Imit	Property Reference	4907-P637-6196-	L207				Issued on Date	12/01/2023
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		zy at 50 pascals			sign value)			
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	Limiting System E	fficiencies						
	<u>4 Heating efficience</u>	<u>cy</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	Pass
	Data from database 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	Time and temperature zone control	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		
Criterion 3 – Limiting the effects of heat gains in sur	nmer	
9 Summertime temperature		
Overheating risk (Thames Valley)	Slight	Pass
Based on:	- AD	
Overshading	Average	7
Windows facing North East	5.96 m ² , No overhang	1
Windows facing South West	2.16 m ² , No overhang	
Windows facing North West	7.08 m ² , No overhang	
Air change rate	4.00 ach	
Blinds/curtains	None	
Criterion 4 – Building performance consistent with I	DER and DFEE rate	
Party Walls		
Туре	U-value	
	W/m²K	Pass
Air permeability and pressure testing		
<u>3 Air permeability</u>		
Air permeability at 50 pascals	5.01 (design value) m ³ /(h.m ²) @ 50 Pa	
Maximum	10.0 m³/(h.m²) @ 50 Pa	Pass
<u>10 Key features</u>		
Party wall U-value	0.00 W/m²K	
Door U-value	0.90 W/m²K	
Window U-value	0.90 W/m²K	
Thermal bridging y-value	0.032 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 84	B 86	Recommended
Photovoltaic	£3,500 - £5,500	£373	A 94	A 95	Recommended
Wind turbine			0	0	Not applicable
Totals	£7,500 - £11,500	£399	A 94	A 95	
Totals	17,500 111,500	2333	A SA	A 33	

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