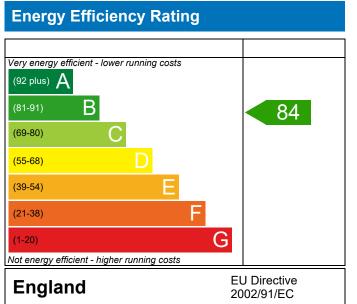


090, 2 Bed, K, WC, B Dwelling type: Date of assessment: Produced by: Total floor area:

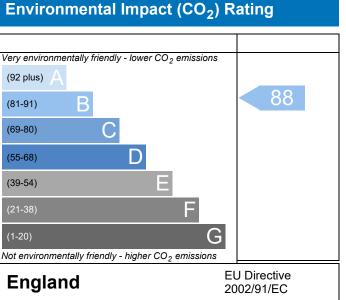
House, Mid-Terrace 08/04/2022 Toby Cottrell 71.1 m²

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.



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.



Regs Region: England Elmhurst Energy Systems SAP2012 Calculator (Design System) version 4.14r19

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



Reference Property 090, 2 Bed, K, WC, B SAP Rating 84 B DER 16.71 TER 17.69 Environmental 88 B % DERATER 5.55 5 C02 Emissions (L/year) 1.03 DFEE 38.40 TEEE 44.54 General Requirements Compliance Pass % DEECTFEE 13.79 4 Assessor Details Mr. Toby Cottrell, Toby Cottrell, Tel: 07376 335 441, Assessor ID Q917-000 Client 100 (mains gas) 5 5 5 SUMARY FOR INPUT DATA FOR New Build (As Designed) 5 5 5 5 Criterion 1 - Achieving the TER and TFEE rate 10.00 (mains gas) 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Property Reference	4907-0026-5540-090)			Duon T P	Issued on Date	08/04/2022	
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		at 50 pascals			sign value)				
	Maximum Limiting System Effic			10.0			m²/(n.m²) @ 50 Pa	a Pass	
	4 Heating efficiency								

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 Potterton Assure 30 Combi Combi boiler Efficiency: 89.0% SEDBUK2009	Pass
	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		
Criterion 3 – Limiting the effects of heat gains in sum	mer	
<u>9 Summertime temperature</u>		
Overheating risk (Midlands)	Slight	Pass
Based on:		
Overshading	Average	
Windows facing East	5.61 m ² , No overhang	
Windows facing West	3.48 m ² , No overhang	
Air change rate	4.00 ach	
Blinds/curtains	None	
Criterion 4 – Building performance consistent with D	ER and DFEE rate	
Party Walls		
Туре	U-value	
Filled Cavity with Edge Sealing	0.00 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/m ² K	
Roof U-value	0.11 W/m²K	

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Regs Region: England Elmhurst Energy Systems SAP2012 Calculator (Design System) version 4.14r19

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 86	В 90	Recommended
Photovoltaic	£3,500 - £5,500	£363	A 97	A 100	Recommended
Wind turbine			0	0	Not applicable
Tabala	67 500 644 500	6399			
Totals	£7,500 - £11,500	£389	A 97	A 100	

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

