

Summary for Input Data



Property Reference	Apt 6	Issued on Date	28/02/2024
Assessment Reference	Proposed	Prop Type Ref	
Property			

SAP Rating	90 B	DER		TER	
Environmental	91 B	% DER < TER			N/A
CO ₂ Emissions (t/year)	0.7	DFEE		TFEE	
Compliance Check	See BREL	% DFEE < TFEE			
% DPER < TPER		DPER		TPER	

Assessor Details	Mr. Joe Cantwell Dillon	Assessor ID	BL89-0001
Client			

SUMMARY FOR INPUT DATA FOR: Conversion (As Built)

Orientation	Northeast	
Property Tenure	ND	
Transaction Type	5	
Terrain Type	Suburban	
1.0 Property Type	Flat, Semi-Detached	
Position of Flat	Top-floor flat	
Which Floor	2	
2.0 Number of Storeys	1	
3.0 Date Built	2024	
3.0 Property Age Band	L	
4.0 Sheltered Sides	2	
5.0 Sunlight/Shade	Average or unknown	
6.0 Thermal Mass Parameter	Precise calculation	
Thermal Mass	N/A	kJ/m ² K
7.0 Electricity Tariff	Standard	
Smart electricity meter fitted	No	
Smart gas meter fitted	No	

7.0 Measurements	Heat Loss Perimeter	Internal Floor Area	Average Storey Height
Basement:	0.00 m	0.00 m ²	0.00 m
Ground floor:	27.15 m	63.45 m ²	2.47 m
1st Storey:	0.00 m	0.00 m ²	0.00 m
2nd Storey:	0.00 m	0.00 m ²	0.00 m
3rd Storey:	0.00 m	0.00 m ²	0.00 m
4th Storey:	0.00 m	0.00 m ²	0.00 m
5th Storey:	0.00 m	0.00 m ²	0.00 m
6th Storey:	0.00 m	0.00 m ²	0.00 m
7th Storey:	0.00 m	0.00 m ²	0.00 m

8.0 Living Area	27.68	m ²
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9.0 External Walls	Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Gross Area(m ²)	Nett Area (m ²)	Shelter Res	Shelter	Openings	Area Calculation Type
	Dormer	Timber Frame	Timber framed wall (two layers of plasterboard)	0.15	18.00	8.56	3.88	0.00	None	4.68	Enter Gross Area

9.1 Party Walls	Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Area (m ²)	Shelter Res	Shelter
	Party Wall 1	Solid Wall	Other	0.00	0.00	34.32	0.00	None

9.2 Internal Walls	Description	Construction	Kappa (kJ/m ² K)	Area (m ²)
	Internal Wall 1	Plasterboard on timber frame	9.00	104.00

10.0 External Roofs	Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Gross Area(m ²)	Nett Area	Shelter Code	Shelter Factor	Calculation Type	Openings
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Summary for Input Data



						(m ²)					
Ashlar Ceiling	External Plane Roof	Other	0.11	0.00	41.12	41.12	None	0.00	Enter Gross Area	0.00	
Sloped Roof	External Slope Roof	Plasterboard, insulated slope	0.15	9.00	11.90	11.13	None	0.00	Enter Gross Area	0.77	
Flat Roof	External Flat Roof	Plasterboard, insulated flat roof	0.14	9.00	15.50	15.50	None	0.00	Enter Gross Area	0.00	

11.1 Party Floors

Description	Storey Index	Construction	Kappa (kJ/m ² K)	Area (m ²)
Party Floor 1	Lowest occupied	Other	0.00	63.45

12.0 Opening Types

Description	Data Source	Type	Glazing	Glazing Gap	Filling Type	G-value	Frame Type	Frame Factor	U Value (W/m ² K)
Window	Manufacturer	Window	Double Low-E Soft 0.1		Air Filled	0.63	Wood	0.70	1.20
Roof light	Manufacturer	Roof Light	Double Low-E Soft 0.1		Air Filled	0.63	Wood	0.70	1.30

13.0 Openings

Name	Opening Type	Location	Orientation	Area (m ²)	Pitch
FDW	Window	Dormer	North East	3.51	0
LSDW	Window	Dormer	South East	1.17	0
RSR	Roof light	Sloped Roof	North West	0.77	55

14.0 Conservatory

15.0 Draught Proofing

 %

16.0 Draught Lobby

17.0 Thermal Bridging

Y-value

 W/m²K

18.0 Pressure Testing

Designed AP₅₀

 m³/(h.m²) @ 50 Pa

Property Tested?

Test Method

As Built AP₅₀

 m³/(h.m²) @ 50 Pa

19.0 Mechanical Ventilation

Mechanical Ventilation

Mechanical Ventilation System Present

20.0 Fans, Open Fireplaces, Flues

21.0 Fixed Cooling System

22.0 Lighting

No Fixed Lighting

Name	Efficacy	Power	Capacity	Count
Lighting 1	80.00	5	400	10

24.0 Main Heating 1

Percentage of Heat

 %

Database Ref. No.

Fuel Type

SAP Code

In Winter

In Summer

Model Name

Manufacturer

System Type

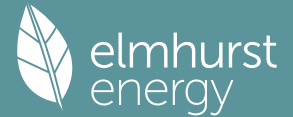
Controls SAP Code

Delayed Start Stat

Burner Control

HETAS approved System

Summary for Input Data



Oil Pump Inside	No
FI Case	0.00
Flue Type	Balanced
Fan Assisted Flue	Yes
Is MHS Pumped	Pump in heated space
Heating Pump Age	2013 or later
Heat Emitter	Radiators
Flow Temperature	Unknown
Boiler Interlock	Yes
Combi boiler type	Standard Combi
Combi keep hot type	None

25.0 Main Heating 2

26.0 Heat Networks

Heat Source	Fuel Type	Heating Use	Efficiency	Percentage Of Heat	Heat	Heat Power Ratio	Electrical	Fuel Factor	Efficiency type
Heat source 1	None								
Heat source 2	None								
Heat source 3	None								
Heat source 4	None								
Heat source 5	None								

28.0 Water Heating

Water Heating	Main Heating 1
SAP Code	901
Flue Gas Heat Recovery System	No
Waste Water Heat Recovery Instantaneous System 1	No
Waste Water Heat Recovery Instantaneous System 2	No
Waste Water Heat Recovery Storage System	No
Solar Panel	No
Water use <= 125 litres/person/day	Yes
Summer Immersion	No
Cold Water Source	From mains
Bath Count	1
Supplementary Immersion	No
Immersion Only Heating Hot Water	No

28.1 Showers

Description	Shower Type	Flow Rate [l/min]	Rated Power [kW]	Connected	Connected To
s1	Vented hot water system	7.00		No	

28.3 Waste Water Heat Recovery System

29.0 Hot Water Cylinder

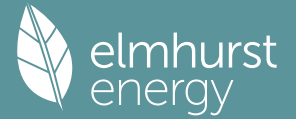
Cylinder	None
Cylinder Stat	No
Cylinder In Heated Space	No
Independent Time Control	No
In Airing Cupboard	No

31.0 Thermal Store

32.0 Photovoltaic Unit

Unit	One Dwelling
Export Capable Meter?	Yes
Connected To Dwelling	Yes
Diverter	No

Summary for Input Data



Battery Capacity [kWh]	<input type="text" value="0.00"/>									
PV Cells kWp	Orientation	Elevation	Overshading	FGHRS	MCS Certificate	Overshading Factor	MCS Certificate Reference	Panel Manufacturer		
1.50	South West	30°	Modest	No	No	0.80				

34.0 Small-scale Hydro

	<input type="text" value="None"/>										
Electricity Generated	<input type="text" value="0.00"/>										
Apportioned	<input type="text" value="0.00"/>										
Connected to dwelling's electricity meter	<input type="text" value="Yes"/>										
Electricity Generation	<input type="text" value="Annual"/>										
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Recommendations

- Lower cost measures
None
- Further measures to achieve even higher standards
None

Full SAP Calculation Printout



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