

# Summary for Input Data



Property Reference	Apt 1	Issued on Date	28/02/2024
Assessment Reference	Proposed	Prop Type Ref	
Property			

SAP Rating	91 B	DER		TER	
Environmental	91 B	% DER < TER			N/A
CO <sub>2</sub> Emissions (t/year)	0.73	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 Tenture	ND	
Transaction Type	5	
Terrain Type	Suburban	
1.0 Property Type	Flat, Semi-Detached	
Position of Flat	Mid-floor flat	
Which Floor	1	
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 <sup>2</sup> 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 <sup>2</sup>	0.00 m
Ground floor:	16.49 m	72.63 m <sup>2</sup>	2.58 m
1st Storey:	0.00 m	0.00 m <sup>2</sup>	0.00 m
2nd Storey:	0.00 m	0.00 m <sup>2</sup>	0.00 m
3rd Storey:	0.00 m	0.00 m <sup>2</sup>	0.00 m
4th Storey:	0.00 m	0.00 m <sup>2</sup>	0.00 m
5th Storey:	0.00 m	0.00 m <sup>2</sup>	0.00 m
6th Storey:	0.00 m	0.00 m <sup>2</sup>	0.00 m
7th Storey:	0.00 m	0.00 m <sup>2</sup>	0.00 m

8.0 Living Area	28.89	m <sup>2</sup>
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9.0 External Walls	Description	Type	Construction	U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m <sup>2</sup> K)	Gross Area(m <sup>2</sup> )	Nett Area (m <sup>2</sup> )	Shelter Res	Shelter	Openings	Area Calculation Type
	Existing Cavity	Cavity Wall	Other	0.33	0.00	9.33	7.70	0.00	None	1.63	Enter Gross Area
	New Cavity	Cavity Wall	Cavity wall : plasterboard on dabs, AAC block, filled cavity, any outside structure	0.18	60.00	33.20	23.10	0.00	None	10.10	Enter Gross Area

9.1 Party Walls	Description	Type	Construction	U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )	Shelter Res	Shelter
	Party Wall 1	Solid Wall	Other	0.00	0.00	50.71	0.00	None

9.2 Internal Walls	Description	Construction	Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )
	Internal Wall 1	Plasterboard on timber frame	9.00	100.34

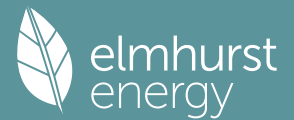
10.0 External Roofs	
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# Summary for Input Data



Description	Type	Construction	U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m <sup>2</sup> K)	Gross Area (m <sup>2</sup> )	Nett Area (m <sup>2</sup> )	Shelter Code	Shelter Factor	Calculation Type	Openings	
Ashlar Ceiling	External Plane Roof	Other	0.11	0.00	3.88	3.88	None	0.00	Enter Gross Area	0.00	
Balcony Above	External Flat Roof	Plasterboard, insulated flat roof	0.15	9.00	9.02	9.02	None	0.00	Enter Gross Area	0.00	
<b>10.1 Party Ceilings</b>											
Description	Construction									Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )
Party Ceiling 1	Other									0.00	59.72
<b>11.1 Party Floors</b>											
Description	Storey Index	Construction								Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )
Party Floor 1	Lowest occupied	Other								0.00	72.63
<b>12.0 Opening Types</b>											
Description	Data Source	Type	Glazing	Glazing Gap	Filling Type	G-value	Frame Type	Frame Factor	U Value (W/m <sup>2</sup> K)		
Window	Manufacturer	Window	Double Low-E Soft 0.1		Air Filled	0.63	Wood	0.70	1.20		
<b>13.0 Openings</b>											
Name	Opening Type	Location	Orientation	Area (m <sup>2</sup> )		Pitch					
LSW	Window	New Cavity	South East	3.26		0					
RW	Window	New Cavity	South West	6.84		0					
LSW2	Window	Existing Cavity	South East	1.63		0					
<b>14.0 Conservatory</b>											
			<input type="text" value="None"/>								
<b>15.0 Draught Proofing</b>											
			<input type="text" value="100"/> %								
<b>16.0 Draught Lobby</b>											
			<input type="text" value="No"/>								
<b>17.0 Thermal Bridging</b>											
			<input type="text" value="Default"/>								
<b>Y-value</b>											
			<input type="text" value="0.20"/> W/m <sup>2</sup> K								
<b>18.0 Pressure Testing</b>											
			<input type="text" value="Yes"/>								
Designed AP <sub>50</sub>			<input type="text" value="6.00"/> m <sup>2</sup> /(h.m <sup>2</sup> ) @ 50 Pa								
Property Tested?			<input type="text" value="Yes"/>								
Test Method			<input type="text" value="Blower Door"/>								
As Built AP <sub>50</sub>			<input type="text" value="6.00"/> m <sup>2</sup> /(h.m <sup>2</sup> ) @ 50 Pa								
<b>19.0 Mechanical Ventilation</b>											
<b>Mechanical Ventilation</b>											
Mechanical Ventilation System Present			<input type="text" value="No"/>								
<b>20.0 Fans, Open Fireplaces, Flues</b>											
<b>21.0 Fixed Cooling System</b>											
			<input type="text" value="No"/>								
<b>22.0 Lighting</b>											
No Fixed Lighting			<input type="text" value="No"/>								
			Name	Efficacy	Power	Capacity	Count				
			Lighting 1	80.00	5	400	10				
<b>24.0 Main Heating 1</b>											
			<input type="text" value="Database"/>								
Percentage of Heat			<input type="text" value="100.00"/> %								
Database Ref. No.			<input type="text" value="17955"/>								
Fuel Type			<input type="text" value="Mains gas"/>								
SAP Code			<input type="text" value="0"/>								
In Winter			<input type="text" value="89.00"/>								
In Summer			<input type="text" value="87.30"/>								
Model Name			<input type="text" value="LOGIC COMBI"/>								
Manufacturer			<input type="text" value="Ideal Boilers"/>								
System Type			<input type="text" value="Combi boiler"/>								
Controls SAP Code			<input type="text" value="2110"/>								

# Summary for Input Data



Delayed Start Stat	Yes
Burner Control	Modulating
HETAS approved System	No
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**

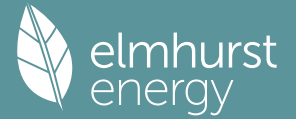
**29.0 Hot Water Cylinder**

Cylinder Stat	No
Cylinder In Heated Space	No
Independent Time Control	No
In Airing Cupboard	No

**31.0 Thermal Store**

**32.0 Photovoltaic Unit**

# Summary for Input Data



Export Capable Meter?

Connected To Dwelling

Diverter

Battery Capacity [kWh]

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

Electricity Generated

Apportioned  kWh/Year

Connected to dwelling's electricity meter

Electricity Generation

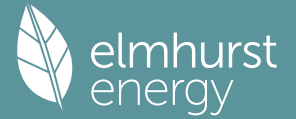
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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### Recommendations

**Lower cost measures**  
None

**Further measures to achieve even higher standards**  
None

# Full SAP Calculation Printout



Property Reference	Apt 1			Issued on Date	28/02/2024
Assessment Reference	Proposed	Prop Type Ref			
Property					
SAP Rating	91 B	DER		TER	
Environmental	91 B	% DER < TER			N/A
CO <sub>2</sub> Emissions (t/year)	0.73	DFEE		TFEE	
Compliance Check	See BREL	% DFEE < TFEE			
% DPER < TPER		DPER		TPER	
Assessor Details	Mr. Joe Cantwell Dillon			Assessor ID	BL89-0001
Client					