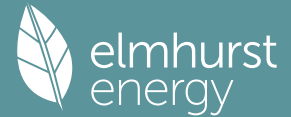


# Summary for Input Data



Property Reference	Apt 3	Issued on Date	28/02/2024
Assessment Reference	Proposed	Prop Type Ref	
Property			

SAP Rating	89 B	DER		TER	
Environmental	89 B	% DER < TER			N/A
CO <sub>2</sub> Emissions (t/year)	0.74	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	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:	20.73 m	52.26 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	27.68	m <sup>2</sup>
-----------------	-------	----------------

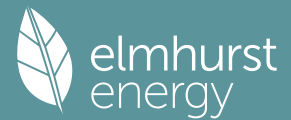
9.0 External Walls	Description	Type	Construction	U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m <sup>2</sup> K)	Gross Area(m <sup>2</sup> )	Nett Area (m <sup>2</sup> )	Shelter Res	Shelter	Openings	Area Calculation Type
	Existing Cavity	Cavity Wall	Other	0.33	0.00	53.47	41.84	0.00	None	11.63	Enter Gross Area

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	38.43	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	49.43

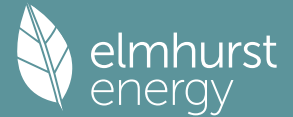
10.0 External Roofs	Description	Type	Construction	U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m <sup>2</sup> K)	Gross Area(m <sup>2</sup> )	Nett Area	Shelter Code	Shelter Factor	Calculation Type	Openings
---------------------	-------------	------	--------------	------------------------------	-----------------------------	-----------------------------	-----------	--------------	----------------	------------------	----------

# Summary for Input Data



Ashlar Ceiling	External Plane	Other	0.11	0.00	12.50	(m <sup>2</sup> ) 12.50	None	0.00	Enter Gross Area	0.00		
<b>10.1 Party Ceilings</b>												
<b>Description</b>	<b>Construction</b>									<b>Kappa (kJ/m<sup>2</sup>K)</b>	<b>Area (m<sup>2</sup>)</b>	
Party Ceiling 1	Other									0.00	39.76	
<b>11.1 Party Floors</b>												
<b>Description</b>	<b>Storey Index</b>	<b>Construction</b>									<b>Kappa (kJ/m<sup>2</sup>K)</b>	<b>Area (m<sup>2</sup>)</b>
Party Floor 1	Lowest occupied	Other									0.00	52.26
<b>12.0 Opening Types</b>												
<b>Description</b>	<b>Data Source</b>	<b>Type</b>	<b>Glazing</b>		<b>Glazing Gap</b>	<b>Filling Type</b>	<b>G-value</b>	<b>Frame Type</b>	<b>Frame Factor</b>	<b>U Value (W/m<sup>2</sup>K)</b>		
Window	Manufacturer	Window	Double Low-E Soft 0.1			Air Filled	0.63	Wood	0.70	1.20		
<b>13.0 Openings</b>												
<b>Name</b>	<b>Opening Type</b>	<b>Location</b>		<b>Orientation</b>		<b>Area (m<sup>2</sup>)</b>		<b>Pitch</b>				
FW	Window	Existing Cavity		North East		10.05		0				
RSW	Window	Existing Cavity		South East		1.58		0				
<b>14.0 Conservatory</b>												
None												
<b>15.0 Draught Proofing</b>												
100 %												
<b>16.0 Draught Lobby</b>												
No												
<b>17.0 Thermal Bridging</b>												
Default												
<b>Y-value</b>												
0.20 W/m <sup>2</sup> K												
<b>18.0 Pressure Testing</b>												
Yes												
Designed AP <sub>50</sub>	6.00 m <sup>3</sup> /(h.m <sup>2</sup> ) @ 50 Pa											
Property Tested?	Yes											
Test Method	Blower Door											
As Built AP <sub>50</sub>	6.00 m <sup>3</sup> /(h.m <sup>2</sup> ) @ 50 Pa											
<b>19.0 Mechanical Ventilation</b>												
<b>Mechanical Ventilation</b>												
Mechanical Ventilation System Present	No											
<b>20.0 Fans, Open Fireplaces, Flues</b>												
<b>21.0 Fixed Cooling System</b>												
No												
<b>22.0 Lighting</b>												
No Fixed Lighting	No											
	<b>Name</b>	<b>Efficacy</b>	<b>Power</b>	<b>Capacity</b>	<b>Count</b>							
	Lighting 1	80.00	5	400	10							
<b>24.0 Main Heating 1</b>												
Database												
Percentage of Heat	100.00 %											
Database Ref. No.	17955											
Fuel Type	Mains gas											
SAP Code	0											
In Winter	89.00											
In Summer	87.30											
Model Name	LOGIC COMBI											
Manufacturer	Ideal Boilers											
System Type	Combi boiler											
Controls SAP Code	2110											
Delayed Start Stat	Yes											
Burner Control	Modulating											
HETAS approved System	No											

# 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**

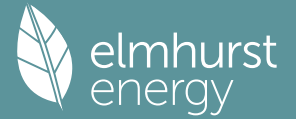
Cylinder Stat	No
Cylinder In Heated Space	No
Independent Time Control	No
In Airing Cupboard	No

**31.0 Thermal Store**

**32.0 Photovoltaic Unit**

Export Capable Meter?	Yes
Connected To Dwelling	Yes
Diverter	No

# Summary for Input Data



Battery Capacity [kWh]	<input type="text" value="0.00"/>									
<b>PV Cells kWp</b>	<b>Orientation</b>	<b>Elevation</b>	<b>Overshading</b>	<b>FGHRS</b>	<b>MCS Certificate</b>	<b>Overshading Factor</b>	<b>MCS Certificate Reference</b>	<b>Panel Manufacturer</b>		
1.25	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"/>										
<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>

### Recommendations

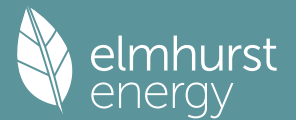
**Lower cost measures**

None

**Further measures to achieve even higher standards**

None

# Full SAP Calculation Printout



Property Reference	Apt 3			Issued on Date	28/02/2024
Assessment Reference	Proposed	Prop Type Ref			
Property					
SAP Rating	89 B	DER		TER	
Environmental	89 B	% DER < TER			N/A
CO <sub>2</sub> Emissions (t/year)	0.74	DFEE		TFEE	
Compliance Check	See BREL	% DFEE < TFEE			
% DPER < TPER		DPER		TPER	
Assessor Details	Mr. Joe Cantwell Dillon			Assessor ID	BL89-0001
Client					