

# Summary for Input Data



Property Reference	P23972(2)	Issued on Date	16/10/2023
Assessment Reference	P23972(2)	Prop Type Ref	
Property	Flat 2, The Western, 205 High Street, Rickmansworth, WD3 1BB		

SAP Rating	95 A	DER	1.34	TER	14.59
Environmental	99 A	% DER < TER			90.82
CO <sub>2</sub> Emissions (t/year)	0.05	DFEE	25.26	TFEE	33.84
Compliance Check	See BREL	% DFEE < TFEE			25.36
% DPER < TPER	76.24	DPER	18.38	TPER	77.39

Assessor Details	Mr. Malcolm Lisle	Assessor ID	P736-0001
Client	SC, Sasha Archibald		

## SUMMARY FOR INPUT DATA FOR: New Build (As Designed)

Orientation	East
Property Tenure	ND
Transaction Type	6
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	2023
4.0 Sheltered Sides	1
5.0 Sunlight/Shade	Average or unknown
6.0 Thermal Mass Parameter	Precise calculation
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
	Ground floor:	26.85 m	49.84 m <sup>2</sup>	2.40 m

8.0 Living Area	23.36	m <sup>2</sup>
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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
Cavity Wall	Cavity Wall	Cavity wall : plasterboard on dabs, AAC block, filled cavity, any outside structure	0.13	60.00	64.44	46.10	0.00	None	18.34	Enter Gross Area

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 Walls	Solid Wall	Dense plaster both sides, dense blocks, cavity or cavity fill	0.00	180.00	10.68		None

Description	Construction	Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )
Internal Walls	Plasterboard on timber frame	9.00	75.84

Description	Construction	Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )
Party Ceiling	Timber I-joists, carpeted	20.00	49.84

Description	Storey Index	Construction	Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )
Party Floor 1	Lowest occupied	Timber I-joists, carpeted	20.00	49.84

## 12.0 Opening Types

# Summary for Input Data



Description	Data Source	Type	Glazing	Glazing Gap	Filling Type	G-value	Frame Type	Frame Factor	U Value (W/m <sup>2</sup> K)
Windows/Doors	Manufacturer	Window	Triple Low-E Soft 0.05			0.57			1.00
Semi-Glazed Doors	Manufacturer	Half Glazed Door	Triple Low-E Soft 0.05			0.57		0.70	1.00
Non-Vision Panel	Manufacturer	Solid Door							1.00

## 13.0 Openings

Name	Opening Type	Location	Orientation	Area (m <sup>2</sup> )	Pitch
Windows	Windows/Doors	Cavity Wall	North	2.10	
Kitchen/Bed	Windows/Doors	Cavity Wall	South	4.83	
Windows	Windows/Doors	Cavity Wall	South	0.40	
Panels	Non-Vision Panel	Cavity Wall	North	6.60	
Balcony Doors	Windows/Doors	Cavity Wall	West	4.41	

## 14.0 Conservatory

## 15.0 Draught Proofing

 %

## 16.0 Draught Lobby

## 17.0 Thermal Bridging

### 17.1 List of Bridges

Bridge Type	Source Type	Length	Psi	Adjusted Reference:	Imported
E2 Other lintels (including other steel lintels)	Independently assessed	9.80	0.06	0.06	No
E3 Sill	Independently assessed	5.40	0.04	0.04	No
E4 Jamb	Independently assessed	27.80	0.05	0.05	No
E7 Party floor between dwellings (in blocks of flats)	Independently assessed	53.70	0.00	0.00	No
E16 Corner (normal)	Independently assessed	4.80	0.04	0.04	No
E18 Party wall between dwellings	Independently assessed	4.80	0.06	0.06	No

Y-value  W/m<sup>2</sup>K

## 18.0 Pressure Testing

Designed AP<sub>50</sub>  m<sup>2</sup>/(h.m<sup>2</sup>) @ 50 Pa

Test Method

## 19.0 Mechanical Ventilation

### Mechanical Ventilation

Mechanical Ventilation System Present

Approved Installation

Mechanical Ventilation data Type

Type

MV Reference Number

Manufacturer SFP

Duct Type

MVHR Efficiency

Wet Rooms

SFP from Installer Commissioning Certificate

MVHR System Location

Duct Installation Specification

## 20.0 Fans, Open Fireplaces, Flues

### 21.0 Fixed Cooling System

### 22.0 Lighting

No Fixed Lighting

Name	Efficacy	Power	Capacity	Count
Lighting 1	91.67	12	1100	8

### 24.0 Main Heating 1

Percentage of Heat  %

Database Ref. No.

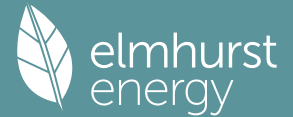
Fuel Type

In Winter

In Summer

Model Name

# Summary for Input Data



Manufacturer	Mitsubishi Electric Europe B.V.
System Type	Heat Pump
Controls SAP Code	2207
Is MHS Pumped	Pump in heated space
Heating Pump Age	2013 or later
Heat Emitter	Underfloor
Underfloor Heating	Yes - Pipes in thin screed
Flow Temperature	Enter value
Flow Temperature Value	35.00

<b>25.0 Main Heating 2</b>	None
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<b>26.0 Heat Networks</b>	None
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<b>28.0 Water Heating</b>	
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	No
Cold Water Source	From mains
Bath Count	1
Immersion Only Heating Hot Water	No

### 28.3 Waste Water Heat Recovery System

<b>29.0 Hot Water Cylinder</b>	Hot Water Cylinder	
Cylinder Stat	No	
Cylinder In Heated Space	No	
Independent Time Control	No	
Insulation Type	Measured Loss	
Cylinder Volume	150.00	L
Loss	1.86	kWh/day
Pipes insulation	Fully insulated primary pipework	
In Airing Cupboard	No	

<b>31.0 Thermal Store</b>	None
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<b>32.0 Photovoltaic Unit</b>	Multiple Dwellings – Connected
Export Capable Meter?	Yes
Connected To Dwelling	Yes
Diverter	No
Battery Capacity [kWh]	5.00

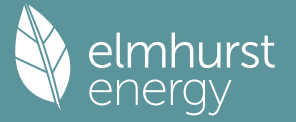
PV Cells kWp	Orientation	Elevation	Overshading	FGHRS	MCS Certificate	Overshading Factor	MCS Certificate Reference	Panel Manufacturer
2.40	Horizontal	Horizontal	Modest		No	0.80		

<b>34.0 Small-scale Hydro</b>	None
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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**

# Summary for Input Data



Typical Cost

Typical savings per year

Ratings after improvement  
SAP rating      Environmental Impact  
0                      0  
0                      0  
0                      0