Summary Information

Property Reference: 4908-0001-1007a
Survey Reference: 1007a

Issued on Date: 05.Jul.2012
Prop Type Ref:

Property: Apartment 3 The Watchmakers, 22, Lord Street, COVENTRY, CV5 8DA,

SAP Rating:	80 C	**CO2 Emissions (t/year):**	1.52	**DER:** 0.00 Pass	**Reduction:** 0.0%	**FEE:** 64.0	**ZC8:**	0.00
Environmental:	83 B	**General Requirements Compliance:**	Fail	**TER:** 0.00		**HLP:** 1.53	**Energy cost:**	£ 404

CfSH Results	**Version:**	**ENE1 Credits:**	N/A	**ENE2 Credits:**	N/A	**ENE7 Credits:**	N/A	**CfSH Level:**	N/A

Surveyor: Alison Cleaver, Tel: 01858434392
Address: Overfield Avenue, Market Harborough, Leics, LE16 7LS
Client:

Software Version: Elmhurst Energy Systems SAP2009 Calculator (Design System) version 3.06r13
SAP version: SAP 2009, Regs Region: England and Wales (Part L1A 2010), Calculation Type: Conversion - new dwelling

SUMMARY FOR INPUT DATA FOR Conversion - new dwelling

1.0 Property Type	Flat, End-Terrace
2.0 Number of Storeys	1
3.0 Date Built	2011
3.0 Property Age Band	
4.0 Sheltered Sides	2
5.0 Sunlight/Shade	Average or unknown

6.0 Measurements

	Internal Perimeter	Internal Floor Area	Average Storey Height
Ground Floor:	21.7	71.98	2.5

7.0 Living Area	21.09
8.0 Thermal Mass Parameter	Simple calculation

9.0 External Walls

Description	Construction	U-Value	Element	Kappa	Gross Area	Nett Area
External Wall 1	Other	0.34		0.00	54.25	37.90

9.1 Party walls

Description	Construction	Element	Kappa	Area
Part	Steel frame		20.00	30.26
Part	Other		0.00	8.75

10.1 Party Ceilings

Description	Construction	Element	Kappa	Area
Party Ceiling 1	Concrete floor slab, carpeted		100	71.98

11.1 Party Floors

Description	Construction	Element	Kappa	Area
Party Floor 1	Other		0	71.98

12.0 Opening Types

Description	Data Source	Type	Glazing	Glazing Gap	Argon Filled	Solar Trans	Frame Type	Frame Factor	U value
Opening Type 2	SAP table	Window	Secondary Glazing			0.76	Wood	0.70	2.40

13.0 Openings

Name	Opening Type	Location	Orientation	Curtain Type	Overhang Ratio	Wide Overhang	Width	Height	Count	Area	Curtain Closed
Opening 2	Window - Opening Type 2	External Wall 1	East	None	0	No	0	0	0	13.20	0
Opening 4	Window - Opening Type 2	External Wall 1	West	None	0	No	0	0	0	3.15	0

14.0 Conservatory	None
15.0 Draught Proofing	100
16.0 Draught Lobby	Yes
17.0 Thermal Bridging	Default
Y-value	0.15
Description	
18.0 Pressure Testing	No
Designed q50	15.00

Property Tested ?	
As Built q50	
Same As Designed ?	

19.0 Mechanical Ventilation

Mechanical Ventilation System Present	No
Approved Installation	
Windows open in hot weather	Windows fully open
Cross ventilation possible	Yes
Night Ventilation	No
Air change rate	6.00
Mechanical Ventilation data Type	
Type	
MV Reference Number	
Configuration	
MVHR Duct Insulated	
Manufacturer SFP	
Duct Type	
MVHR Efficiency	
Wet Rooms	
Brand, Model	

20.0 Fans, Open Fireplaces, Flues

	MHS	SHS	Other	Total
Number of Chimneys	0		0	0
Number of open flues	0		0	0
Number of intermittent fans				3
Number of passive vents				0
Number of flueless gas fires				0

21.0 Cooling System	No

22.0 Lighting

Internal	
Total number of light fittings	7
Total number of L.E.L. fittings	5
Percentage of L.E.L. fittings	71.43
External	
External lights fitted	No
Light and motion sensors	
23.0 Electricity Tariff	Standard

24.0 Heating Systems

Main Heating 1	Database
Description	heating 1
Percentage of Heat	100.00
Main Heating 2	None
Description	
Percentage of Heat	
Community Heating	
Secondary Heating	
Water Heating	Main Heating 1
Flue Gas Heat Recovery System	No
Waste Water Heat Recovery System 1	No
Waste Water Heat Recovery System 2	No
Solar Panel	No

25.0 Main Heating 1

Database Ref. No.	15701
Fuel Type	Mains gas
Main Heating	BGW
TestMethod	
SAP Code	104
Efficiency (Split Efficiences) %	
Efficiency (Split Efficiences) %	
In Winter	89.9
In Summer	79.8
Model Name	
Manufacturer	
Controls	CBG
Delayed Start Stat	Yes
Sap Code	2108
Burner Control	
Boiler Compensator	None
HETAS approved System	
Oil Pump Inside	
FI Case	
FI Water	
Flue Type	Balanced
Smoke Control Area	
Fan Assisted Flue	Yes

Is MHS Pumped	Pump in heated space
Heat Emitter	Radiators
Underfloor Heating	
Electric CPSU Temperature	
Combi boiler type	Standard Combi
Combi keep hot type	None
Combi store type	
27.0 Community Heating	
Space Community Heating	
Distribution Loss	
Distribution Loss Value	
Controls	
SAP Code	
Water Community Heating	
Distribution Loss	
Distribution Loss Value	
Charging Linked To Heat Use	
28.0 Secondary Heating	
Description	
SHS efficiency %	
SAP Code	
HETAS Approved System	
Smoke Control Area	
Test Method	
Manufacturer	
Model Name	
29.0 Water Heating	HWP
Water use <= 125 litres/person/day	Yes
SAP Code	901
Immersion Heater	
Summer Immersion	
Suplementary Immersion	
Immersion Only Heating Hot Water	
29.1 Flue Gas Heat Recovery System	
Database ID	
Brand Model	
Details	
29.2 Waste Water Heat Recovery System	
Total rooms with shower and/or bath	
30.0 Hot Water Cylinder	None
Cylinder Stat	
Cylinder In Heated Space	
Independent Time Control	
Insulation Type	
Insulation Thickness	
Cylinder Volume	
Loss (kwh/day)	
Pipes insulation	
In Airing Cupboard	
31.0 Solar Panel	
Solar Panel Area	
Area Type	
Panel Type	
n0, a1, A/G ratio	
Orientation	
Elevation	
Overshading	
Solar Storage Volume	
Pump electrically powered	
Combined Cylinder	
32.0 Thermal Store	None
Thermal Store Pipework	within a single casing
33.0 Photovoltaic Unit	
Apportioned KWh/Year	
34.0 Wind Turbines	
Terrain Type	Urban
Wind Turbines	
Count	
Apportioned Kwh/year	
Rotor Diameter	
Hub Height	
35.0 Small-scale Hydro	
Electricity Generated	
Description	
Apportioned kWh/Year	

Recommendations

Lower cost measures

	Indicative Cost	Typical savings per year	Ratings after improvement	
			Energy Efficiency	Environmental Impact

Low energy lighting for all fixed outlets	£10	C 80	B 83

Further measures to achieve even higher standards

None