

Full SAP Calculation Printout

Users Ref: DEMONSTRATION DATA

Issued on:

Prop Type Ref:

Property:

TER: 29.25

DER: -2.37

SAP Rating: 72 C

SAP Energy Cost: £376

CO2 Emissions: -0.31 t/year

EI Rating: 103 A

Energy used: 155 kWh/year

Surveyor:

Address:

Client: RURA, Rural Log Cabins

Software Version: EES SAP 2005.013.build.0013, January 2008 (Design System), BRE SAP Worksheet 9.80

Regs Type: SAP 2005, Regs Region: England and Wales (Part L1A 2006), Construction Type: New Build

CALCULATION DETAILS for survey reference no 'E-0708-056'

Page: 1

SAP2005 input data (DesignData) -

Regs Region: England
Construction Type: NewBuild
Region: EA East Anglia (15.5)
Orientation: S South
PropType: B Bungalow, D Detached
Storeys: 1
Property Age: 2008
Sheltered Sides: 2
Sunlight Shade: Average or unknown
Wall Perimeter: 48.00 m
Floor Area: 108.00 m2
Living Floor Area: 30.00 m2
Storey Height: 3.28 m
Doors
Front Door: Double, Low E, Soft Coat, Glazed Wood, 20 mm, uvalue: 2.40 (T), are
Windows
W1 Entrance Hall: Double, Low E, Soft Coat, Wood, 20 mm, South (0°), uvalue: 1.80 (T)
W2 Kitchen: Double, Low E, Soft Coat, Wood, 20 mm, South (0°), uvalue: 1.80 (T)
W3 Lounge: Double, Low E, Soft Coat, Wood, 20 mm, South (0°), uvalue: 1.80 (T)
W4 Patio Doors: Double, Low E, Soft Coat, Wood, 20 mm, East (90°), uvalue: 1.80 (T)
W5 Lounge: Double, Low E, Soft Coat, Wood, 20 mm, North (180°), uvalue: 1.80
W6 Dining: Double, Low E, Soft Coat, Wood, 20 mm, North (180°), uvalue: 1.80
W7 Bedroom 2: Double, Low E, Soft Coat, Wood, 20 mm, North (180°), uvalue: 1.80
W8 Bedroom 1: Double, Low E, Soft Coat, Wood, 20 mm, North (180°), uvalue: 1.80
W9 Bathroom: Double, Low E, Soft Coat, Wood, 20 mm, South (0°), uvalue: 1.80 (T)
Draught Lobby: No
Draught Proofing: 100%
Roof Lights
Pressure Test: 10.00
Mechanical Ventilation: None, Windows open during hot weather: Windows fully open, Cross
Fans, Chimneys, Flues: 3, 0, 2
Lighting: Low energy lighting in 56% of fixed outlets
Main Wall Type: U: 0.17 A: X(140.68 m2)
Extended Wall Types:
Timber Frame Wall Area: 140.68
Roof type 0
Roof Roof: U: 0.16 A: 118.80 m2
Main Floor Type: U: 0.15 A: 108.00 m2
Timber Floor: Timber Floor: 108.00 m2, Sealed
Thermal Mass: Simple Thermal Mass Parameter calculation:
Ground Floor Mass: Low - suspended timber floor
External Wall Mass: Low - timber/steel frame walls or masonry wal
Separating Wall Mass: Low - plasterboard on timber/steel stud
Internal Partition Mass: Low - plasterboard on timber/steel stud
Main Heating: BWJ Wood logs Range cooker boiler (independent oven & boiler), Pu
Main Heating Manufacturer: Not Known at this stage, 67.00%