SITE survey. APP

SITE SURVEY REPORT

Heat Pump Site Survey

Prepared for	J. and K. Morgan
Date	11 Oct 2026
Site	Rose Cottage, Lower Hamble
Prepared by	A. Begum

FORM

Heat Pump Site Survey

1. Property

Project	Rose Cottage, Lower Hamble: air source heat pump (completed example)
Client	J. and K. Morgan
Site	Rose Cottage
Site address	Rose Cottage, Lower Hamble, Hampshire
Survey date	11 Oct 2026
Surveyor	A. Begum
Property type	Detached house
Age of the property	1919 to 1944
Bedrooms	3
People living there	2
Current heating	Oil

> Boiler Upgrade Scheme (England and Wales). £7,500 towards an air source or ground source heat pump replacing fossil fuel heating, for the owner of the property, with an MCS certified installer applying on their behalf. Until March 2027 there is an extra £1,500 if the property is heated by oil or LPG and has no mains gas connection. Hybrid systems are not covered.

EPC rating, if known	D

2. Insulation and fabric

Main wall type	Solid
Loft insulation depth (mm)	270
Glazing	Double
Ground floor	Suspended timber
Draughts, damp or other things that affect heat loss	Open fireplace in the living room; customer happy to fit a chimney balloon.

3. Rooms

MCS installers design heat pumps to MIS 3005-D, the MCS heat pump design standard. It calls for a heat load calculation to BS EN 12831-1 using internal design temperatures no lower than its table (for example living room 21°C, bedroom and kitchen 18°C, bathroom 22°C), and the installer is given the heat loss of each room. Measure every heated room here. This form records the inputs; it does not calculate the heat loss.

Rooms 1: Living room

Room	Living room
Length (m)	5.20
Width (m)	3.90
Ceiling height (m)	2.61

Ceiling height (m): measuring photo



Floor area (m²)	20.28
Volume (m³)	52.93
Design temperature (°C)	21
Number of external walls	2
Window and door glazing area (m²)	3.2
Heat emitter	Radiator
Room heat loss from your calculation (W)	1480
Heat loss per m² of floor (W/m²)	73

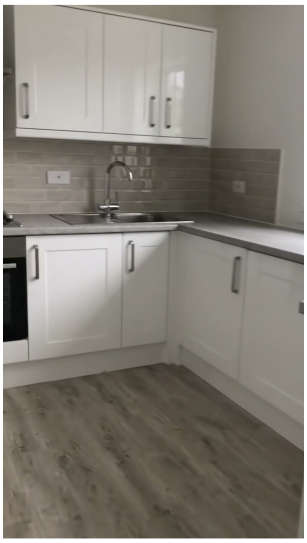
Photos



Rooms 2: Kitchen

Room	Kitchen
Length (m)	4.10
Width (m)	3.00
Ceiling height (m)	2.40
Floor area (m²)	12.3
Volume (m³)	29.52
Design temperature (°C)	18
Number of external walls	2
Window and door glazing area (m²)	1.8
Heat emitter	Radiator
Room heat loss from your calculation (W)	760
Heat loss per m² of floor (W/m²)	62

Photos



Rooms 3: Bedroom 1

Room	Bedroom 1
Length (m)	4.00
Width (m)	3.60
Ceiling height (m)	2.30
Floor area (m²)	14.4
Volume (m³)	33.12
Design temperature (°C)	18
Number of external walls	2
Window and door glazing area (m²)	2.0
Heat emitter	Radiator
Room heat loss from your calculation (W)	820
Heat loss per m² of floor (W/m²)	57

Rooms 4: Bathroom

Room	Bathroom
Length (m)	2.40
Width (m)	1.90
Ceiling height (m)	2.30

Floor area (m²)	4.56
Volume (m³)	10.49
Design temperature (°C)	22
Number of external walls	1
Window and door glazing area (m²)	0.6
Heat emitter	Radiator
Room heat loss from your calculation (W)	410
Heat loss per m² of floor (W/m²)	90
Total heated floor area (m²)	51.54
Heated rooms	4
Total heated volume (m³)	126.1
Total glazing area (m²)	7.6
Glazing as a share of the floor area (%)	15
Total of the room heat losses entered (W)	3470

4. Outdoor unit

Proposed outdoor unit position	Side of the house by the oil tank, on a new slab once the tank is removed.
Outdoor unit position	Side of the house by the oil tank · 50.873180, -1.317340 (SU 48129 08408, ±5 m)
Distance from the nearest boundary (m)	2.5
Clear space in front of the unit position (m)	1.60
Clear space to the side (m)	0.60
Manufacturer's minimum in front (m)	1.00
Manufacturer's minimum to the side (m)	0.30
Clearance check	Meets the clearances in the manual
Base, drainage for condensate and pipe route to the house	New concrete slab; condensate to the gravel soakaway; 6 m pipe run to the airing cupboard.
Are there neighbouring windows or gardens close to the unit position?	Yes
Distance to the nearest neighbouring door or window of a habitable room (m)	11.5

Photos of the outdoor unit position



5. Hot water, electrics and customer

Existing hot water cylinder size and location, if any	No cylinder (combi oil boiler)
Space for a new cylinder	Airing cupboard, 650 x 650 mm, 2.2 m high
Main fuse rating	100 A
Earthing arrangement	TT

Photos of the meter and consumer unit



What the customer wants (comfort, running costs, timescale)	Lower running costs than oil and a warmer living room.

6. Actions and sign-off

Are further actions needed?	Yes

Further actions 1: Complete the room-by-room heat loss calculation and radiator upgrade list.

What needs doing?	Complete the room-by-room heat loss calculation and radiator upgrade list.
Who will do it?	A. Begum
Due date	18 Oct 2026
Status	Completed

Further actions 2: MCS 020(a) noise check for the side position, nearest neighbouring window about 11.5 m.

What needs doing?	MCS 020(a) noise check for the side position, nearest neighbouring window about 11.5 m.
Who will do it?	A. Begum
Due date	22 Oct 2026
Status	In progress
Inspector name	A. Begum
Position or company of the surveyor	Heat pump designer, Solent Renewables (MCS certified)
Inspector signature	

Signing records what was found on the day. It is not a guarantee of condition and does not replace any examination, test, design check or repair needed from a competent person.