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### **Quotation: 14kW Air Source Heat Pump & Thermaskirt Heating**

The works to be carried out are as follows:

- Thank you for your enquiry regarding installing an Air Source Heat Pump, we are pleased to provide our quotation for this project along with our design specification.
- We would recommend a 14KW Low Temp Daikin Altherma Heat Pump which provides space heating and domestic hot water to your existing radiators.
- System Specification:
  - 1 x 14kW Low Temp Daikin Altherma Outdoor Unit sited to the right of the doorway
  - 1 x Daikin indoor wiring centre
  - 1 x Daikin madoka stat (this allows control of the heat pump for heating at the stat position)
  - All external pipework to be covered with anthracite trunking and 19mm lagging
  - Operation and Maintenance manual with full system walk through and MCS certification.
  - Boiler Upgrade Scheme - If your installation meets the qualifying criteria you would be eligible for the new government grant of £7,500 this would be deducted from your final invoice, please see details in the section below.
  - Supply and installation of Thermaskirt heating around the perimeter of the room mounted on the existing tile plinth to meet the heating demand.
  - this system will be controlled via digital room stat with remote web access so heating can be controlled remotely (will require internet excess to allow this function)

### **Total Cost:**

Time Nett:	£ 1,970.83
Materials Nett:	£ 20,743.55
Additional Nett:	£ 0.00
VAT:	£ 0.00
Gross:	£ 22,714.38

### **Materials / Specifics: (please see the data sheet on the next page)**

**Data Sheet:**

Item#	Description	Quantity
1	15mm Copper Pipe Length	10
2	ASHP Daikin Three Flexi Feet (150mm)	1
3	ASHP Trade Coated Slit & Seal Insulation	1
4	ASHP Daikin monobloc Wiring Centre	1
5	UK ufh 1" MI x1"f unions	2
6	22mm Copper Pipe Length	20
7	Scame 3 pole 32A/40A Isolator	1
8	Scame 3 pole 20A Isolator	1
9	Copper Tube EEC TX Kitemarked in 3M Lengths 28MM CT283EC	10
10	ASHP Trade 135 Trunking Anthracite 2M Length (Box of 4)	1
11	ASHP Daikin Anti Freeze Valve	1
12	STAT Madoka Interface	1
13	ASHP Daikin Flexible Hose 750mm	1
14	Generation meter Single phase	1
15	Hager 6 way Fuse board	1
16	B20 RCBO	2
17	32A/40A RCBO	1
18	Press Fit 28mm Elbow	10
19	Mapress 28mm Sockets	2
20	ASHP Adey Magnaclean 2XP 28mm	1
21	28mm Copper Pipe Length	8
22	28mm Lever Isolators	4
23	Cable/Fixings	1
24	28mmx19mm outdoor lagging	10
25	Pipe Lagging 19MM THICKNESS	10
26	ASHP Daikin 14kw Low Temp Heat Pump	1
27	100 x 50mm PVC Trunking	1
28	Plumber	1
29	Admin Charges	1
30	Dawwi Insurance	1
31	Certification MCS and Part P	1
32	ASHP Trade 135 Flat Elbow Anthracite	2
33	ASHP Trade 135 Coupling Sleeve Anthracite	1
34	ASHP Trade 135 Inside Elbow Anthracite	2
35	ASHP Trade 135 Wall Cover Anthracite	1
36	M-PRESS copper 22mmx 15mm branch T	20
37	Thermaskirt Heating	1

**Exclusions**

Excluded in this quote is the repair of any re-plastering, wall repair, re-fitting of carpets, replacement of damaged floor/skirting boards

**Payment Terms - Deposits and Advance Payments**

On signing of the contract, a deposit will be required (Please see below) and on receipt of the deposit materials will be placed on order and an installation date will be arranged. Your deposit will be registered with the REAL Assurance Deposit and Advance Payment Guarantee Scheme, further details will be given with the contract. Final payment will be required on immediate completion.

## DEPOSIT REQUIRED UPON ACCEPTANCE OF QUOTATION

**£ 4,542.88**

### Scrap

We will automatically dispose of all old equipment which is removed during the installation as part of our job completion. If you would prefer to do this yourself and keep any of the old radiators etc please make the Installation Team aware whilst we are onsite and we will leave the equipment with you.

### Planning Permission

Planning permission for this installation should not be required; however, we would always recommend that you contact your local authority planning department in order to confirm this in writing for your own records.

### Boiler Update Scheme (BUS)

The Boiler Upgrade Scheme (BUS) aims to incentivise and increase the deployment of heat pumps. Grants of £5000 are now available for air source heat pumps (ASHPs). Grants do not vary by the capacity of the installation, which must not exceed 45 kWth.

It is essential that your heat pump is installed by an MCS accredited installer, such as us, to ensure that you will be eligible for an application to be submitted. If you decide to go ahead with this quote, we will apply to Ofgem for a voucher on behalf of you, the property owner. You must consent to us making the application on your behalf and that you meet the relevant eligibility criteria for the scheme. You will receive a consent request email from **BUSapplication@ofgem.gov.uk**

Vouchers for ASHP's are valid for 3 months from the time of issue. Once the installation is complete and fully checked we will apply to Ofgem to redeem the voucher. Grant payments will then be made direct to us, and this deduction will be detailed on our invoice.

In the unlikely event of any delay in the installation being completed within the time limits, we would submit a new application for the installation and you would need to consent to the application being made again.

Ofgem have the legal authority to carry out routine checks on grant applications at any point in the process, including after payment has been made which may involve a visit to your property.

Further information on the BUS scheme can be viewed at: [www.ofgem.gov.uk/environmental-and-social-schemes/boiler-upgrade-scheme-bus/property-owners](http://www.ofgem.gov.uk/environmental-and-social-schemes/boiler-upgrade-scheme-bus/property-owners)

### EPC

In order to qualify for the BUS, the property must have a valid Energy Performance Certificate (EPC) carried out by a suitably qualified assessor. This must have been issued in the past 10 years.

We will also carry out a full heat loss calculation to determine your properties heat losses, radiator sizing and SPF factor.

Depending on your property, you may need to install insulation before the work is completed on your heating system to be eligible. If so, Ofgem will contact you and ourselves.

Our energy assessor Mr David Wilson of Wilson Energy Assessors will gladly discuss this further with you and any charges are payable directly to him. He can be contacted on 01723 583747 or email **david@wilsondea.co.uk**

## Installation Time

We estimate your installation will take 4 days but may run over this time should we find any unforeseen issues which may require additional work during the installation.

## Warranty information for your Air Source Heat Pump Heating System

Your air source heat pump system comes with two guarantees:

one for the whole heating system which lasts for two years, and one for the heat pump only which lasts for three years. This document should be read in conjunction with the information provided by the heat pump manufacturer, and their warranty. If you do not fill in your warranty card and return it to the manufacturer, your warranty may become invalid.

### Two Year Guarantee for the heating system

The two year guarantee for the heating system covers:

- The central heating system, including all radiators, hot water cylinder, pipe work, thermostatic radiator valves, the wall mounted programmable room thermostat, and any building work associated with the installation. This is a parts and labour guarantee which will cover a call out to repair any faults with the above equipment.

The following exclusions are not covered by this warranty:

- External vandalism to the Air Source Heat Pump (ASHP) unit and pipe work
- Replacement of incorrect parts fitted by you or an installer other than the approved installer or the manufacturer
- Any alterations/modification to the heating system carried out by anyone other than the approved installer, or anyone approved by the manufacturer
- Householder/Tenant damage, mishandling
- Low pressure due to radiators being removed or bled
- Painted/varnished cases/radiators
- Replacement of batteries in the programmable room thermostat
- Programming of the programmable room thermostat
- Damaged blow off/condensate
- Missing/damaged radiator valves.

### Three year ASHP manufacturer's warranty

The three year manufacturer's warranty comes as standard and covers:

- The air source heat pump and any associated equipment supplied by the heat pump manufacturer. Please refer to the manufacturer's warranty for the full terms and conditions of their warranty.
- The warranty is for 3-years as standard, when the end user registers it via Stand by Me, otherwise this will default to a standard 12 month warranty. The warranty can be increased to 7 years for a Daikin Altherma Hybrid systems when installed and commissioned by a Sustainable Home Expert installer. In order for these to be increased the end user must select & pay for the packages via Stand by Me, within 12 months of the commissioning date.