



Daikin Altherma commissioning report

To be completed by the installer and left with the householder.

Customer details (Block capitals)

End user:	
Date of attendance:	
Site address line 1:	
Site address line 2:	
Town:	
County:	Postcode:

Report information (Block capitals)

Attending engineer / or company:

I confirm that the installation is complete
to my satisfaction:

Customer name:
Customer signature:
Date:

Outdoor unit (Block capitals)

Unit information:

Model number:
Serial number:

Installation related:

Adequate service space around the outdoor unit
Provisions made for drainage from outdoor unit
Refrigeration piping insulated

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Electrical installation:

Outdoor unit fuse rating	<input type="text"/>	Amps
Mains power supply cable size	<input type="text"/>	mm ²
Interconnecting cable size	<input type="text"/>	mm ²

Isolating switch installed?
☐ YES ☐ NO

Outdoor unit (Continued)

Mechanical installation:

Refrigeration piping length	<input type="text"/>	Metres
Additional refrigerant added	<input type="text"/>	Kg R410a
Total refrigerant charge	<input type="text"/>	Kg R410a

Operational data:

Outdoor unit power supply	<input type="text"/>	Vac
Outdoor unit current	<input type="text"/>	Amps
High pressure reading	<input type="text"/>	BAR
Low pressure reading	<input type="text"/>	BAR

Indoor unit and DHW cylinder (Block capitals)

Unit information:

Hydrobox model number:
Hydrobox serial number:
Hybrid boiler model number:
Hybrid boiler serial number:
Cylinder model number:
Cylinder serial number:

Installation related:

Provisions made for drainage from hydrobox (cooling operation)

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

G3 compliance label completed by installer

Electrical installation:

Booster heater fuse rating	<input type="text"/>	Amps	N/A
Booster heater cable size	<input type="text"/>	mm ²	
Back up heater fuse rating	<input type="text"/>	Amps	
Back up heater cable size	<input type="text"/>	mm ²	

Isolating switches installed for heaters

YES	NO	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Dip switches set on PC board if either a thermostat
or DHW cylinder has been installed

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Thermistor installed in DHW cylinder in top pocket for
ASHP in lower pocket for solar. (Use heat conductive paste
for better heat transfer)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Indoor unit and DHW cylinder (Continued)

Mechanical installation:

Air removed from the system ☐ YES ☐ NO

System water pressure BAR

DHW cylinder ☐ Unvented ☐ Vented

Flow & return isolation valves installed ☐ YES ☐ NO ☐ N/A

Safety solenoid installed (for solar thermal) ☐ YES ☐ NO ☐ N/A

Installed compliant to G3 regulations

A – Pressure/Temperature Relief Valve installed ☐ YES ☐ NO

B – Combination Valve installed ☐ YES ☐ NO

C – Tundish installed ☐ YES ☐ NO

D – Expansion Vessel installed ☐ YES ☐ NO

E – Safety Solenoid Valve installed* ☐ YES ☐ NO

* Required if the hydrobox is model EKHBH(X)007AC or if a solar system has been installed to work with the Daikin Altherma system.

Operational data:

Booster heater power supply Vac ☐ N/A

Booster heater current Amps ☐ N/A

ΔT across flow & return pipe °C ☐ N/A

Pump speed selected 1 ☐ 2 ☐ 3 ☐ ☐ N/A

Back up heater power supply Vac ☐ N/A

Back up heater current Amps ☐ N/A

Calculated water flow rate L/Min

To calculate approx flow use the following formula:

$(kW) / (°C \Delta T) / 4.2(\text{Clean water}) = L/\text{Sec} \times 60 = \text{Litres per min.}$

kW = kW of outdoor unit.

°C ΔT = Temp difference between flow and return pipes.

(Example: $8.43 / 5 / 4.2 = 0.401 \times 60 = 24 \text{ Litres per min.}$)

Settings and parameters

Set point values:

Space heating °C ☐ N/A

Space cooling (if applicable) °C ☐ N/A

DHW °C ☐ N/A

Please ensure a copy of the system set up and field settings are left with the customer on site together with this commissioning report and the label shown on the right, enclosed in the pack, is attached to the front of the unit.

Name:

Signature:

Date:

General comments (Block capitals)

Caution Before Altering Settings

This system has been commissioned to run efficiently using carefully considered setting(s)

Alterations to these settings could invalidate the system's certificate of compliance

Any alteration to these settings may have an adverse effect on the efficiency of the system resulting in increased running costs, and should only be undertaken in full knowledge of the overall system design

MCS M5 3001 & 3005