



Appendix C

Heating and hot water

C1 House 1 equipment schedule	191
C2 House 1 MCS certificate	192-193
C3 House 1 heat-pump and hot-water commissioning	194-205
C4 House 2 equipment schedule	206
C5 House 2 MCS certificate	207-208
C6 House 2 heat-pump and hot-water commissioning	209-221
C7 House 3 equipment schedule	222
C8 House 3 MCS certificate	223-224
C9 House 3 heat-pump and hot-water commissioning	225-236
C10 House 4 equipment schedule	237
C11 House 4 MCS certificate	238-239
C12 House 4 heat-pump and hot-water commissioning	240-252

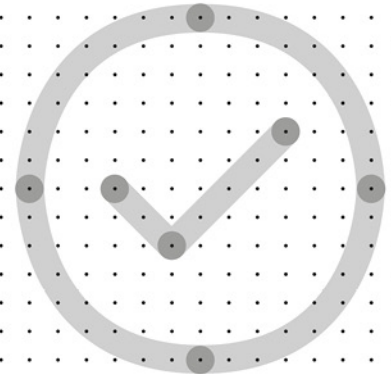
Original source documents follow. Page references are positions in this combined PDF.

1 Malthouse Cottages Equipment Schedule

Equipment	Model Reference	Capacity	Serial Number
Air Source Heat Pump (ASHP)	Vaillant Arotherm VWL 35/8.1A 230V	3.5kW	21262480000 495261300105169N8
ASHP Controller	Vaillant Sensocomfort VRC720F	n/a	2126150020- 2609370953011553N7
Hot Water Cylinder	Vaillant Unistor VIH RW 210/5	210 litre	21262180000 115191331475677N0
Heating Pump	Grundfos Alpha Go	n/a	n/a
Magnetic Filter	IntaKlean heatpump combined magnetic filter & strainer	n/a	n/a
MVHR Unit	Blauberg EC-SB550	690m ³ /hr (192 l/s)	138707
MVHR Controller	Blauberg	n/a	8270M043-07WT



MCS Certificate



MCS INSTALLATION CERTIFICATE NO. MCS-02929506-I

CERTIFICATE VERSION 2

10/09/2026

INSTALLER DETAILS

MCS Installer: A Greener Alternative Limited
MCS Certification Number: NAP27039
TSI Consumer Code: RECC
TSI Consumer Code ID: 00019127

INSTALLATION DETAILS

Total Installed Capacity (kW): 3.50
Estimated Annual Generation (kWh): 7110.00
Planning Regulations Compliance: Permitted Development Rights
Building Regulations Notification: After The Installation Through A Self
Certification Competent Persons Scheme (CPS)

SITE DETAILS

Address: 1 MALTHOUSE COTTAGES, MALTHOUSE LANE,
HURSTPIERPOINT, East Sussex, BN6 9PE

Supply MPAN: 1900093038317

Commissioning Date: 21/08/2026

PRODUCT DETAILS

TECHNOLOGY TYPE: AIR SOURCE HEAT PUMP

SUBTYPE: Air-To-Water

MCS PRODUCT NUMBER	PRODUCT MANUFACTURER	MCS CERTIFIED PRODUCT NAME	FLOW TEMP	SCOP
KIWA 00016/021 HP	Vaillant Group UK Ltd	Arotherm Plus	50	3.37

ADDITIONAL DETAILS

Renewable System Designed to Provide:
Space heat and DHW

No. of MCS certs:
1

Install New at Commissioning:
Yes

SPACE / WATER HEAT

Annual Space Heating Demand:
4810.00

Annual Water Heating Demand:
2300.00

Annual Space Heating Supplied:
4810.00

Annual Water Heating Supplied:
2300.00





Commissioning Checklist

Section 1

CUSTOMER INFORMATION	
Date/Time	21/08/2026
NAME	
ADDRESS	1 Malthouse Cottages, Malthouse Lane, Hassocks, BN6 9PE
INSTALLER INFORMATION	
ENGINEER NAME	Kieran Burdett
A GREENER ALTERNATIVE LTD	
HANGAR 4, SHOREHAM AIRPORT, SHOREHAM-BY-SEA, WEST SUSSEX, BN43 5FF.	
TEL: 01273455695	
Email: info@agreeneralternative.co.uk	
MCS INSTALLER NUMBER: MCS NAP/27039/20/1	
HEAT PUMP INFORMATION	
HEAT PUMP TECHNOLOGY (Please Select)	Air Source Heat Pump
Type (Please Select)	Monobloc
Manufacturer (Please Select)	Vaillant
Model	aroTHERM plus VWL 35/8.1
Quantity	1
Serial Number	21262480000495261300105169N8
Application	Heating & Hot Water
HOT WATER SYSTEM INFORMATION	
Cylinder Type	Unvented
Manufacturer	Vaillant
Model Number	VIH RW 210/5 C PPES uniSTOR pure
Quantity	1
Serial Number	21262180000115191331475677N0
Application	Indirect
ELECTRICAL & HYDRONIC CONTROLS - SYSTEM & HEAT PUMP	
Time & Temperature Control to Heating	Load/Weather Compensation



Commissioning Checklist

Time & Temperature Control to Hot Water	Combined with Heat Pump Main Controls
Hybrid System - Synchronised Control of Boiler & Heat Pump Fitted?	N/A
If Yes - Boiler Model Switching Point (enter tariff or Temperature Level)	
Heating Zone Valves (Including Underfloor Loops)	Not Required
Hot Water Zone Valves	Not Required
Thermostatic Radiator Valves	Fitted
Outdoor Sensor	Not Required
Heat Pump Safety Interlock (3)	Fitted
Flow & Cylinder Temperature Sensors Correctly Positioned?	Yes
Automatic Bypass System	Fitted
Buffer Vessel Fitted?	Yes
If Yes, Buffer Vessel Size (Litres)	40
Plate Heat Exchanger Fitted to Give Hydronic Separation?	N/A
Expansion Vessel For Heating Is Sized, Fitted & Charged In Accordance With Manufacturers Instructions?	Yes
Legionella Protection For Stored Hot Water Provided By Timed Temperature control?	Yes
WEATHER COMPENSATION SETTINGS	
Flow (°C)	1.00 curve setting, min 25°C, max 55°C
Outside Temperature (°C)	
AND	
Flow (°C)	
Outside Temperature (°C)	
Manufacturers Control System?	Yes
Third Party Controls?	No
If Yes, Please State Manufacturer Name and Model	
Are Third Party Controls Correctly Interlocked?	N/A
ALL SYSTEMS	



Commissioning Checklist

The Heating System Has Been Filled and Pressure Tested?	Yes
Expansion Vessel For Heating Is Sized, Fitted & Charged In Accordance With Manufacturer's Instructions?	Yes
The System Has Been Flushed & Cleaned In Accordance With BS7593: 2019 & Heat Pump Manufacturer's Instructions?	Yes
What System Cleaner Was Used?	
Brand:	
Product:	
What Heating System Inhibitor Was Used?	
Brand:	Sentinel
Product:	X100
What Heat Pump Anti-Freeze Has Been Used?	
Brand:	Inta
Product:	Antifreeze valves
What Is The Heat Pump Anti-Freeze Concentration Level? (%)	
System Filter Fitted In Accordance With BS 7593: 2019?	Yes
Outdoor Fuse Rating (A)	32
Type	C
Cylinder Coil Surface Area or Plate Heat Exchanger (M ²)	
Please Select	
Legionella Protection (°C)	60.00
Legionella Cycle (days)	7.00
Circulating Pump(s) Speed Settings?	Auto
Measured Flow Rate	
Domestic Hot Water (Litres/Min)	580
Heating (Litres/Min)	600
Measured Steady State Delta T (Flow and Return) (°C)	5
Flow Temperature (°C)	41
Return Temperature (°C)	36



Commissioning Checklist

OUTDOOR UNIT	
Is The Heating System Adequately Frost Protected & Pipes Insulated To Prevent Heat Loss?	Yes
Split Only: The Refrigerant Circuit Has Been Evacuated & Charged In Accordance With Manufacturer's Instructions?	N/A
The Heat Pump Is Fitted On a Solid/Stable Surface Capable of Taking Its Weight?	Yes
The Necessary Heat Pump Defrost Provision Has Been Put In Place?	Yes
The Heat Pumps Fan Is Free From Obstacles & Is Operational?	Yes
Is all External Pipework Insulated?	Yes
ASHP Only: Does The Outdoor Unit Have Adequate Airflow As Per The Manufacturers Guidelines?	Yes
Has Suitable Consideration Been Made For Condensate Discharge?	Yes
Flow & Return Isolation Valves Fitted?	Yes
Anti-Vibration Mounting Pads Fitted?	Yes
Refrigerant Type (Weight KG)	R290 - 0.6kg
Has The Condensate Drain Been Installed To The Manufacturers Instructions?	Yes
HEATING MODE	
The Heating System Has Been Filled & Pressure Tested?	Yes
Heating Temperatures:	
Heating Flow Temperature (°C)	41
Heating Return Temperature (°C)	36
Emitter Type(s)	Radiators
Emitters Balanced?	Yes
Air Removed From System?	Yes
System Correctly Balanced/Rebalanced?	Yes
System correctly balance/rebalanced	
DOMESTIC HOT WATER MODE - MEASURE & RECORD	



Commissioning Checklist

Is The Heat Pump Connected To a Hot Water Cylinder?	Unvented
Hot Water Cylinder Size (Litres)	200.00
Domestic Hot Water Target Temperature (°C)	50.00
Cylinder Heat Up (Minutes)	
Hot Water Has Been Checked At All Outlets?	Yes
ADDITIONAL SYSTEM INFORMATION	
Water Flow Rate Setting of the Heat Pump at Commissioning (Litres/min):	
Additional Heat Sources Connected	N/A
If Other Please specify:	
Remove & Clean Line Strainer If Present	Yes
The Operation of the Heat Pump & System Controls Have Been Demonstrated to the End-User?	Yes
ALL INSTALLATIONS	
All Electrical Work Complies With the Appropriate Regulations	Yes
The Heat Pump & Associated Products Have Been Installed & Commissioned In Accordance With the Manufacturer's Instructions	Yes
The Operation Of the Heat Pump & System Controls Have Been Demonstrated to & Understood by the Customer	Yes
The Manufacturer's Literature Has Been Explained & Left With the Customer	Yes
MAINS PRESSURE HOT WATER STORAGE SYSTEM COMMISSIONING CHECKLIST	
DOMESTIC HOT WATER MODE - MEASURE & RECORD	
Is the Primary Circuit Sealed or Open Vented?	Sealed
What is the Maximum Primary Flow Temperature? (°C)	60
ALL SYSTEMS	

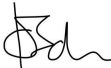


Commissioning Checklist

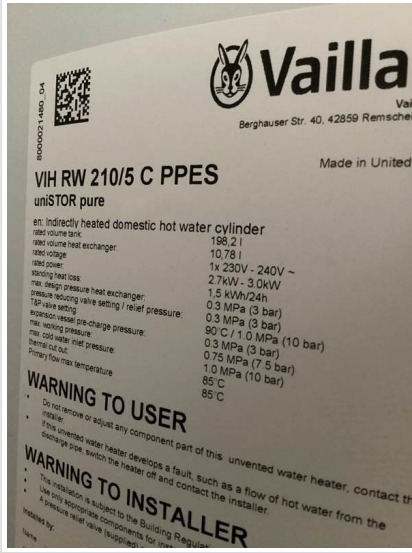
What Is the Incoming Static Cold Water Pressure at the Inlet to the System? (bar)	3
Has a Strainer Been Cleaned on Installation (if fitted)?	Yes
Is the Installation In a Hard Water Area (Above 200ppm)?	
If Yes, Has A Water Scale Reducer Been Fitted?	
What Type Of Scale Reducer Has Been Fitted?	
What Is The Hot Water Thermostat Set Temperature? (°C)	50
What Is The Maximum Hot Water Flow Rate at Set Thermostat Temperature (Measured at High Flow Outlet)? (Litres/min)	
Time & Temperature Controls Have Been Fitted In Compliance With Part L Of The Building Regulations?	Yes
Type of Control System (if applicable)	Y Plan
If Other Please Specify:	
Is the Cylinder Solar (or other renewable) Compatible?	No
What Is The Hot Water Temperature at the Nearest Outlet? (°C)	49
All Appropriate Pipes Have Been Insulated Up To 1 Metre or the Point Where They Become Concealed	Yes
UNVENTED SYSTEMS	
Where is the Pressure Reducing Valve Situated (if fitted)?	Infront of cylinder
What is the Pressure Reducing Valve Setting? (bar)	3
Has a Combined Temperature & Pressure Relief Valve & Expansion Valve Been Fitted & Discharge Tested?	Yes
The Tundish & Discharge Pipework Have Been Connected & Terminated to Part G Of the Building Regulations	Yes
Are All Energy Sources Fitted With a Cut Out Device?	Yes



Commissioning Checklist

Has the Expansion Vessel or Internal Air Space Been Checked?	Yes
THERMAL STORES ONLY	
What Store Temperature Is Achievable? (°C)	
What Is the Maximum Hot Water Temperature? (°C)	
ALL INSTALLATIONS	
The Hot Water System Complies With the Appropriate Building Regulations?	Yes
The System Has Been Installed & Commissioned In Accordance With The Manufacturer's Instructions?	Yes
The System Controls Have Been Demonstrated To & Understood By The Customer?	Yes
The Manufacturer's Literature, Including Benchmark Checklist & Service Record, Has Been Explained & Left With the Customer?	Yes
Commissioning Engineer's Signature	
	21/08/2026 11:39 AM
Customer's Signature	
	21/08/2026 11:39 AM
Upload Photo of Heat Pump Data Badge(s)	

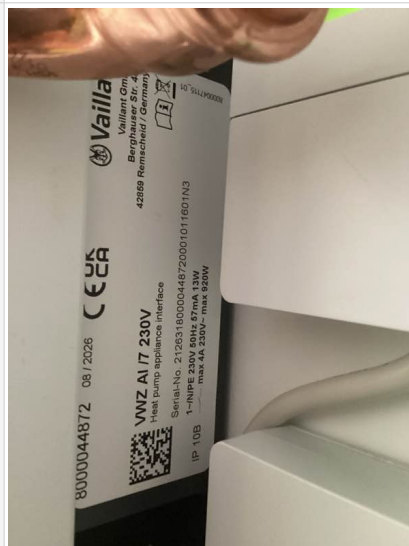
Commissioning Checklist

Upload Photo of Refractometer	
Upload Photo of Cylinder Data Badge	 The image shows a Vaillant data badge for a VIH RW 210/5 C PPES unit. It lists technical specifications such as rated volume tank (198.2 l), rated power (2.7 kW), and various pressure settings. It also includes safety warnings for users and installers.
	 This is a close-up of the bottom section of the Vaillant data badge. It features a 'WARNING TO INSTALLER' section with instructions on installation and maintenance. It also includes a barcode, the date 05/2026, and the EN 12897:2016 standard.
Additional Image Uploads	 The image shows the Vaillant cylinder unit installed outdoors against a brick wall. The unit is a large, black, rectangular box with a circular fan grille on the front. It is mounted on a concrete base, and various pipes and electrical connections are visible.

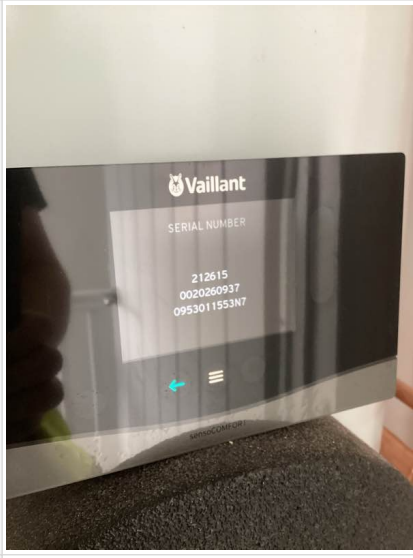
Commissioning Checklist



Commissioning Checklist



Commissioning Checklist

Commissioning Checklist

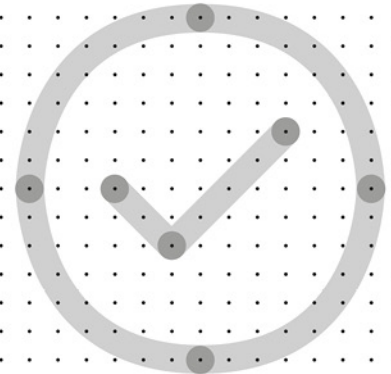


2 Malthouse Cottages Equipment Schedule

Equipment	Model Reference	Capacity	Serial Number
Air Source Heat Pump (ASHP)	Vaillant Arotherm VWL 35/8.1A 230V	3.5kW	21262480000-4952611300105161N0
ASHP Controller	Vaillant Sensocomfort VRC720F	n/a	2126150020-2609370953011548N2
Hot Water Cylinder	Vaillant Unistor VIH RW 210/5	210 litre	21262480000-115191331475664N7
Heating Pump	Grundfos Alpha Go	n/a	n/a
Magnetic Filter	IntaKlean heatpump combined magnetic filter & strainer	n/a	n/a
MVHR Unit	Blauberg EC-SB350	450m ³ /hr (125 l/s)	119004
MVHR Controller	Blauberg	n/a	8270M043-07WT



MCS Certificate



MCS INSTALLATION CERTIFICATE NO. MCS-02932915-T

CERTIFICATE VERSION 1

10/09/2026

INSTALLER DETAILS

MCS Installer: A Greener Alternative Limited
MCS Certification Number: NAP27039
TSI Consumer Code: RECC
TSI Consumer Code ID: 00019127

INSTALLATION DETAILS

Total Installed Capacity (kW): 3.50
Estimated Annual Generation (kWh): 7110.00
Planning Regulations Compliance: Permitted Development Rights
Building Regulations Notification: After The Installation Through A Self
Certification Competent Persons Scheme (CPS)

SITE DETAILS

Address: 2 MALTHOUSE COTTAGES, MALTHOUSE LANE,
HURSTPIERPOINT, East Sussex, BN6 9PE

Supply MPAN: 1900093038326

Commissioning Date: 21/08/2026

PRODUCT DETAILS

TECHNOLOGY TYPE: AIR SOURCE HEAT PUMP

SUBTYPE: Air-To-Water

MCS PRODUCT NUMBER	PRODUCT MANUFACTURER	MCS CERTIFIED PRODUCT NAME	FLOW TEMP	SCOP
KIWA 00016/021 HP	Vaillant Group UK Ltd	Arotherm Plus	50	3.37

ADDITIONAL DETAILS

Renewable System Designed to Provide:
Space heat and DHW

No. of MCS certs:
1

Install New at Commissioning:
Yes

SPACE / WATER HEAT

Annual Space Heating Demand:
4810.00

Annual Water Heating Demand:
2300.00

Annual Space Heating Supplied:
4810.00

Annual Water Heating Supplied:
2300.00





Commissioning Checklist

Section 1

CUSTOMER INFORMATION	
Date/Time	21/08/2026
NAME	
ADDRESS	2 Malthouse Cottages, Malthouse Lane, Hassocks, BN6 9JS
INSTALLER INFORMATION	
ENGINEER NAME	Kieran Burdett
A GREENER ALTERNATIVE LTD	
HANGAR 4, SHOREHAM AIRPORT, SHOREHAM-BY-SEA, WEST SUSSEX, BN43 5FF.	
TEL: 01273455695	
Email: info@agreeneralternative.co.uk	
MCS INSTALLER NUMBER: MCS NAP/27039/20/1	
HEAT PUMP INFORMATION	
HEAT PUMP TECHNOLOGY (Please Select)	Air Source Heat Pump
Type (Please Select)	Monobloc
Manufacturer (Please Select)	Vaillant
Model	aroTHERM plus VWL 35/8.1
Quantity	1
Serial Number	21262480000495261300105161N0
Application	Heating & Hot Water
HOT WATER SYSTEM INFORMATION	
Cylinder Type	Unvented
Manufacturer	Vaillant
Model Number	VIH RW 210/5 C PPES uniSTOR pure
Quantity	1
Serial Number	21262180000115191331475664N7
Application	Indirect
ELECTRICAL & HYDRONIC CONTROLS - SYSTEM & HEAT PUMP	
Time & Temperature Control to Heating	Load/Weather Compensation



Commissioning Checklist

Time & Temperature Control to Hot Water	Combined with Heat Pump Main Controls
Hybrid System - Synchronised Control of Boiler & Heat Pump Fitted?	N/A
If Yes - Boiler Model Switching Point (enter tariff or Temperature Level)	
Heating Zone Valves (Including Underfloor Loops)	Not Required
Hot Water Zone Valves	Not Required
Thermostatic Radiator Valves	Fitted
Outdoor Sensor	Not Required
Heat Pump Safety Interlock (3)	Fitted
Flow & Cylinder Temperature Sensors Correctly Positioned?	Yes
Automatic Bypass System	Fitted
Buffer Vessel Fitted?	Yes
If Yes, Buffer Vessel Size (Litres)	40
Plate Heat Exchanger Fitted to Give Hydronic Separation?	N/A
Expansion Vessel For Heating Is Sized, Fitted & Charged In Accordance With Manufacturers Instructions?	Yes
Legionella Protection For Stored Hot Water Provided By Timed Temperature control?	Yes
WEATHER COMPENSATION SETTINGS	
Flow (°C)	1.00 curve, min 25°, max 55°C
Outside Temperature (°C)	
AND	
Flow (°C)	
Outside Temperature (°C)	
Manufacturers Control System?	Yes
Third Party Controls?	No
If Yes, Please State Manufacturer Name and Model	
Are Third Party Controls Correctly Interlocked?	N/A
ALL SYSTEMS	



Commissioning Checklist

The Heating System Has Been Filled and Pressure Tested?	Yes
Expansion Vessel For Heating Is Sized, Fitted & Charged In Accordance With Manufacturer's Instructions?	Yes
The System Has Been Flushed & Cleaned In Accordance With BS7593: 2019 & Heat Pump Manufacturer's Instructions?	Yes
What System Cleaner Was Used?	
Brand:	
Product:	
What Heating System Inhibitor Was Used?	
Brand:	Sentinel
Product:	X100
What Heat Pump Anti-Freeze Has Been Used?	
Brand:	Inta
Product:	Antifreeze valves
What Is The Heat Pump Anti-Freeze Concentration Level? (%)	
System Filter Fitted In Accordance With BS 7593: 2019?	Yes
Outdoor Fuse Rating (A)	32
Type	C
Cylinder Coil Surface Area or Plate Heat Exchanger (M ²)	
Please Select	
Legionella Protection (°C)	60.00
Legionella Cycle (days)	7.00
Circulating Pump(s) Speed Settings?	Auto
Measured Flow Rate	
Domestic Hot Water (Litres/Min)	580L/h
Heating (Litres/Min)	600L/h
Measured Steady State Delta T (Flow and Return) (°C)	5
Flow Temperature (°C)	41
Return Temperature (°C)	36



Commissioning Checklist

OUTDOOR UNIT	
Is The Heating System Adequately Frost Protected & Pipes Insulated To Prevent Heat Loss?	Yes
Split Only: The Refrigerant Circuit Has Been Evacuated & Charged In Accordance With Manufacturer's Instructions?	N/A
The Heat Pump Is Fitted On a Solid/Stable Surface Capable of Taking Its Weight?	Yes
The Necessary Heat Pump Defrost Provision Has Been Put In Place?	Yes
The Heat Pumps Fan Is Free From Obstacles & Is Operational?	Yes
Is all External Pipework Insulated?	Yes
ASHP Only: Does The Outdoor Unit Have Adequate Airflow As Per The Manufacturers Guidelines?	Yes
Has Suitable Consideration Been Made For Condensate Discharge?	Yes
Flow & Return Isolation Valves Fitted?	Yes
Anti-Vibration Mounting Pads Fitted?	Yes
Refrigerant Type (Weight KG)	R290 - 0.6kg
Has The Condensate Drain Been Installed To The Manufacturers Instructions?	Yes
HEATING MODE	
The Heating System Has Been Filled & Pressure Tested?	Yes
Heating Temperatures:	
Heating Flow Temperature (°C)	41
Heating Return Temperature (°C)	36
Emitter Type(s)	Radiators
Emitters Balanced?	Yes
Air Removed From System?	Yes
System Correctly Balanced/Rebalanced?	Yes
System correctly balance/rebalanced	
DOMESTIC HOT WATER MODE - MEASURE & RECORD	



Commissioning Checklist

Is The Heat Pump Connected To a Hot Water Cylinder?	Unvented
Hot Water Cylinder Size (Litres)	200.00
Domestic Hot Water Target Temperature (°C)	50.00
Cylinder Heat Up (Minutes)	
Hot Water Has Been Checked At All Outlets?	Yes
ADDITIONAL SYSTEM INFORMATION	
Water Flow Rate Setting of the Heat Pump at Commissioning (Litres/min):	
Additional Heat Sources Connected	N/A
If Other Please specify:	
Remove & Clean Line Strainer If Present	Yes
The Operation of the Heat Pump & System Controls Have Been Demonstrated to the End-User?	Yes
ALL INSTALLATIONS	
All Electrical Work Complies With the Appropriate Regulations	Yes
The Heat Pump & Associated Products Have Been Installed & Commissioned In Accordance With the Manufacturer's Instructions	Yes
The Operation Of the Heat Pump & System Controls Have Been Demonstrated to & Understood by the Customer	Yes
The Manufacturer's Literature Has Been Explained & Left With the Customer	Yes
MAINS PRESSURE HOT WATER STORAGE SYSTEM COMMISSIONING CHECKLIST	
DOMESTIC HOT WATER MODE - MEASURE & RECORD	
Is the Primary Circuit Sealed or Open Vented?	Sealed
What is the Maximum Primary Flow Temperature? (°C)	60
ALL SYSTEMS	



Commissioning Checklist

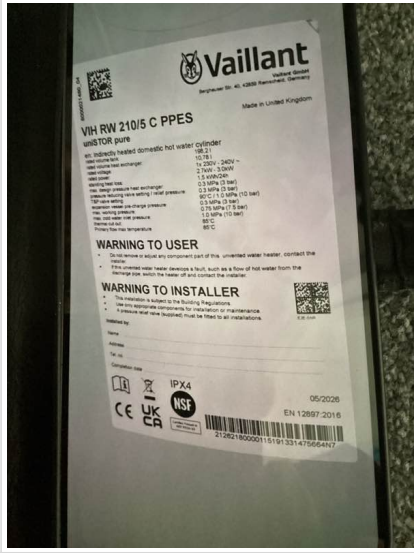
What Is the Incoming Static Cold Water Pressure at the Inlet to the System? (bar)	3
Has a Strainer Been Cleaned on Installation (if fitted)?	Yes
Is the Installation In a Hard Water Area (Above 200ppm)?	
If Yes, Has A Water Scale Reducer Been Fitted?	
What Type Of Scale Reducer Has Been Fitted?	
What Is The Hot Water Thermostat Set Temperature? (°C)	50
What Is The Maximum Hot Water Flow Rate at Set Thermostat Temperature (Measured at High Flow Outlet)? (Litres/min)	
Time & Temperature Controls Have Been Fitted In Compliance With Part L Of The Building Regulations?	Yes
Type of Control System (if applicable)	Y Plan
If Other Please Specify:	
Is the Cylinder Solar (or other renewable) Compatible?	No
What Is The Hot Water Temperature at the Nearest Outlet? (°C)	49
All Appropriate Pipes Have Been Insulated Up To 1 Metre or the Point Where They Become Concealed	Yes
UNVENTED SYSTEMS	
Where is the Pressure Reducing Valve Situated (if fitted)?	Infront of cylinder
What is the Pressure Reducing Valve Setting? (bar)	3
Has a Combined Temperature & Pressure Relief Valve & Expansion Valve Been Fitted & Discharge Tested?	Yes
The Tundish & Discharge Pipework Have Been Connected & Terminated to Part G Of the Building Regulations	Yes
Are All Energy Sources Fitted With a Cut Out Device?	Yes



Commissioning Checklist

Has the Expansion Vessel or Internal Air Space Been Checked?	Yes
THERMAL STORES ONLY	
What Store Temperature Is Achievable? (°C)	
What Is the Maximum Hot Water Temperature? (°C)	
ALL INSTALLATIONS	
The Hot Water System Complies With the Appropriate Building Regulations?	Yes
The System Has Been Installed & Commissioned In Accordance With The Manufacturer's Instructions?	Yes
The System Controls Have Been Demonstrated To & Understood By The Customer?	Yes
The Manufacturer's Literature, Including Benchmark Checklist & Service Record, Has Been Explained & Left With the Customer?	Yes
Commissioning Engineer's Signature	
	21/08/2026 11:09 AM
Customer's Signature	
	21/08/2026 11:23 AM
Upload Photo of Heat Pump Data Badge(s)	

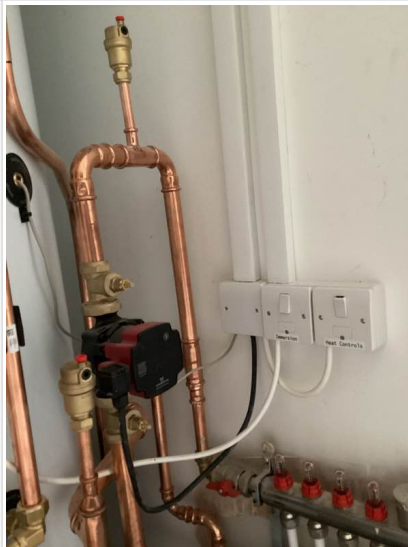
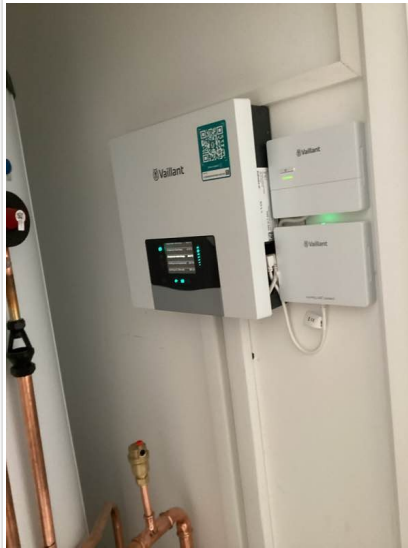
Commissioning Checklist

Upload Photo of Refractometer	
Upload Photo of Cylinder Data Badge	
Additional Image Uploads	
	

Commissioning Checklist



Commissioning Checklist



Commissioning Checklist

Commissioning Checklist



Commissioning Checklist

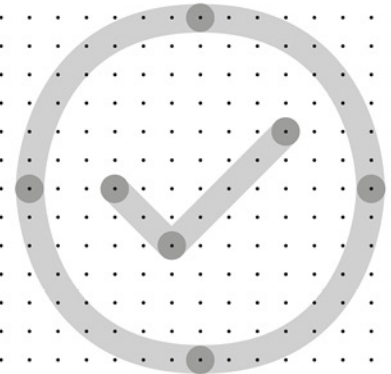


3 Malthouse Cottages Equipment Schedule

Equipment	Model Reference	Capacity	Serial Number
Air Source Heat Pump (ASHP)	Vaillant Arotherm VWL 35/8.1A 230V	3.5kW	21262480000-4952611300105422N2
ASHP Controller	Vaillant Sensocomfort VRC720F	n/a	2126150020-2609370953011525N4
Hot Water Cylinder	Vaillant Unistor VIH RW 210/5	210 litre	21262480000-115191331501040N4
Heating Pump	Grundfos Alpha Go	n/a	n/a
Magnetic Filter	IntaKlean heatpump combined magnetic filter & strainer	n/a	n/a
MVHR Unit	Blauberg EC-SB350	450m ³ /hr (125 l/s)	130150
MVHR Controller	Blauberg	n/a	8270M043-07WT



MCS Certificate



MCS INSTALLATION CERTIFICATE NO. MCS-02933160-H

CERTIFICATE VERSION 1

10/09/2026

INSTALLER DETAILS

MCS Installer: A Greener Alternative Limited
MCS Certification Number: NAP27039
TSI Consumer Code: RECC
TSI Consumer Code ID: 00019127

INSTALLATION DETAILS

Total Installed Capacity (kW): 3.50
Estimated Annual Generation (kWh): 9327.00
Planning Regulations Compliance: Permitted Development Rights
Building Regulations Notification: After The Installation Through A Self
Certification Competent Persons Scheme (CPS)

SITE DETAILS

Address: 3 MALTHOUSE COTTAGES, MALTHOUSE LANE,
HURSTPIERPOINT, East Sussex, BN6 9PE

Supply MPAN: 1900093038335

Commissioning Date: 21/08/2026

PRODUCT DETAILS

TECHNOLOGY TYPE: AIR SOURCE HEAT PUMP

SUBTYPE: Air-To-Water

MCS PRODUCT NUMBER	PRODUCT MANUFACTURER	MCS CERTIFIED PRODUCT NAME	FLOW TEMP	SCOP
KIWA 00016/021 HP	Vaillant Group UK Ltd	Arotherm Plus	50	3.37

ADDITIONAL DETAILS

Renewable System Designed to Provide:
Space heat and DHW

No. of MCS certs:
1

Install New at Commissioning:
Yes

SPACE / WATER HEAT

Annual Space Heating Demand:
6261.00

Annual Water Heating Demand:
3066.00

Annual Space Heating Supplied:
6261.00

Annual Water Heating Supplied:
3066.00





Commissioning Checklist

Section 1

CUSTOMER INFORMATION	
Date/Time	21/08/2026
NAME	
ADDRESS	3 Malthouse Cottages, Malthouse Lane, Hassocks, BN6 9PE
INSTALLER INFORMATION	
ENGINEER NAME	Kieran Burdett
A GREENER ALTERNATIVE LTD	
HANGAR 4, SHOREHAM AIRPORT, SHOREHAM-BY-SEA, WEST SUSSEX, BN43 5FF.	
TEL: 01273455695	
Email: info@agreeneralternative.co.uk	
MCS INSTALLER NUMBER: MCS NAP/27039/20/1	
HEAT PUMP INFORMATION	
HEAT PUMP TECHNOLOGY (Please Select)	Air Source Heat Pump
Type (Please Select)	Monobloc
Manufacturer (Please Select)	Vaillant
Model	aroTHERM plus VWL 35/8.1
Quantity	1
Serial Number	21262880000495261300105422N2
Application	Heating & Hot Water
HOT WATER SYSTEM INFORMATION	
Cylinder Type	Unvented
Manufacturer	Vaillant
Model Number	VIH RW 210/5 C PPES uniSTOR pure
Quantity	1
Serial Number	21262180000115191331501040N4
Application	Indirect
ELECTRICAL & HYDRONIC CONTROLS - SYSTEM & HEAT PUMP	
Time & Temperature Control to Heating	Load/Weather Compensation



Commissioning Checklist

Time & Temperature Control to Hot Water	Combined with Heat Pump Main Controls
Hybrid System - Synchronised Control of Boiler & Heat Pump Fitted?	N/A
If Yes - Boiler Model Switching Point (enter tariff or Temperature Level)	
Heating Zone Valves (Including Underfloor Loops)	Not Required
Hot Water Zone Valves	Not Required
Thermostatic Radiator Valves	Fitted
Outdoor Sensor	Not Required
Heat Pump Safety Interlock (3)	Fitted
Flow & Cylinder Temperature Sensors Correctly Positioned?	Yes
Automatic Bypass System	Fitted
Buffer Vessel Fitted?	Yes
If Yes, Buffer Vessel Size (Litres)	40
Plate Heat Exchanger Fitted to Give Hydronic Separation?	No
Expansion Vessel For Heating Is Sized, Fitted & Charged In Accordance With Manufacturers Instructions?	Yes
Legionella Protection For Stored Hot Water Provided By Timed Temperature control?	Yes
WEATHER COMPENSATION SETTINGS	
Flow (°C)	1.00 on curve, min 25, max 55
Outside Temperature (°C)	
AND	
Flow (°C)	
Outside Temperature (°C)	
Manufacturers Control System?	Yes
Third Party Controls?	No
If Yes, Please State Manufacturer Name and Model	
Are Third Party Controls Correctly Interlocked?	N/A
ALL SYSTEMS	



Commissioning Checklist

The Heating System Has Been Filled and Pressure Tested?	Yes
Expansion Vessel For Heating Is Sized, Fitted & Charged In Accordance With Manufacturer's Instructions?	Yes
The System Has Been Flushed & Cleaned In Accordance With BS7593: 2019 & Heat Pump Manufacturer's Instructions?	Yes
What System Cleaner Was Used?	
Brand:	
Product:	
What Heating System Inhibitor Was Used?	
Brand:	Sentinel
Product:	X100
What Heat Pump Anti-Freeze Has Been Used?	
Brand:	Inta
Product:	Antifreeze valves
What Is The Heat Pump Anti-Freeze Concentration Level? (%)	
System Filter Fitted In Accordance With BS 7593: 2019?	Yes
Outdoor Fuse Rating (A)	32
Type	C
Cylinder Coil Surface Area or Plate Heat Exchanger (M ²)	
Please Select	
Legionella Protection (°C)	60.00
Legionella Cycle (days)	7.00
Circulating Pump(s) Speed Settings?	Auto
Measured Flow Rate	
Domestic Hot Water (Litres/Min)	580
Heating (Litres/Min)	580
Measured Steady State Delta T (Flow and Return) (°C)	4
Flow Temperature (°C)	41
Return Temperature (°C)	37



Commissioning Checklist

OUTDOOR UNIT	
Is The Heating System Adequately Frost Protected & Pipes Insulated To Prevent Heat Loss?	Yes
Split Only: The Refrigerant Circuit Has Been Evacuated & Charged In Accordance With Manufacturer's Instructions?	N/A
The Heat Pump Is Fitted On a Solid/Stable Surface Capable of Taking Its Weight?	Yes
The Necessary Heat Pump Defrost Provision Has Been Put In Place?	Yes
The Heat Pumps Fan Is Free From Obstacles & Is Operational?	Yes
Is all External Pipework Insulated?	Yes
ASHP Only: Does The Outdoor Unit Have Adequate Airflow As Per The Manufacturers Guidelines?	Yes
Has Suitable Consideration Been Made For Condensate Discharge?	Yes
Flow & Return Isolation Valves Fitted?	Yes
Anti-Vibration Mounting Pads Fitted?	Yes
Refrigerant Type (Weight KG)	R290 - 0.6kg
Has The Condensate Drain Been Installed To The Manufacturers Instructions?	Yes
HEATING MODE	
The Heating System Has Been Filled & Pressure Tested?	Yes
Heating Temperatures:	
Heating Flow Temperature (°C)	41
Heating Return Temperature (°C)	37
Emitter Type(s)	Radiators
Emitters Balanced?	Yes
Air Removed From System?	Yes
System Correctly Balanced/Rebalanced?	Yes
System correctly balance/rebalanced	
DOMESTIC HOT WATER MODE - MEASURE & RECORD	



Commissioning Checklist

Is The Heat Pump Connected To a Hot Water Cylinder?	Unvented
Hot Water Cylinder Size (Litres)	200.00
Domestic Hot Water Target Temperature (°C)	50.00
Cylinder Heat Up (Minutes)	
Hot Water Has Been Checked At All Outlets?	Yes
ADDITIONAL SYSTEM INFORMATION	
Water Flow Rate Setting of the Heat Pump at Commissioning (Litres/min):	
Additional Heat Sources Connected	N/A
If Other Please specify:	
Remove & Clean Line Strainer If Present	Yes
The Operation of the Heat Pump & System Controls Have Been Demonstrated to the End-User?	Yes
ALL INSTALLATIONS	
All Electrical Work Complies With the Appropriate Regulations	Yes
The Heat Pump & Associated Products Have Been Installed & Commissioned In Accordance With the Manufacturer's Instructions	Yes
The Operation Of the Heat Pump & System Controls Have Been Demonstrated to & Understood by the Customer	Yes
The Manufacturer's Literature Has Been Explained & Left With the Customer	Yes
MAINS PRESSURE HOT WATER STORAGE SYSTEM COMMISSIONING CHECKLIST	
DOMESTIC HOT WATER MODE - MEASURE & RECORD	
Is the Primary Circuit Sealed or Open Vented?	Sealed
What is the Maximum Primary Flow Temperature? (°C)	60
ALL SYSTEMS	



Commissioning Checklist

What Is the Incoming Static Cold Water Pressure at the Inlet to the System? (bar)	3
Has a Strainer Been Cleaned on Installation (if fitted)?	Yes
Is the Installation In a Hard Water Area (Above 200ppm)?	
If Yes, Has A Water Scale Reducer Been Fitted?	
What Type Of Scale Reducer Has Been Fitted?	
What Is The Hot Water Thermostat Set Temperature? (°C)	50
What Is The Maximum Hot Water Flow Rate at Set Thermostat Temperature (Measured at High Flow Outlet)? (Litres/min)	
Time & Temperature Controls Have Been Fitted In Compliance With Part L Of The Building Regulations?	Yes
Type of Control System (if applicable)	Y Plan
If Other Please Specify:	
Is the Cylinder Solar (or other renewable) Compatible?	N/A
What Is The Hot Water Temperature at the Nearest Outlet? (°C)	49
All Appropriate Pipes Have Been Insulated Up To 1 Metre or the Point Where They Become Concealed	Yes
UNVENTED SYSTEMS	
Where is the Pressure Reducing Valve Situated (if fitted)?	Infront of cylinder
What is the Pressure Reducing Valve Setting? (bar)	3
Has a Combined Temperature & Pressure Relief Valve & Expansion Valve Been Fitted & Discharge Tested?	Yes
The Tundish & Discharge Pipework Have Been Connected & Terminated to Part G Of the Building Regulations	Yes
Are All Energy Sources Fitted With a Cut Out Device?	Yes



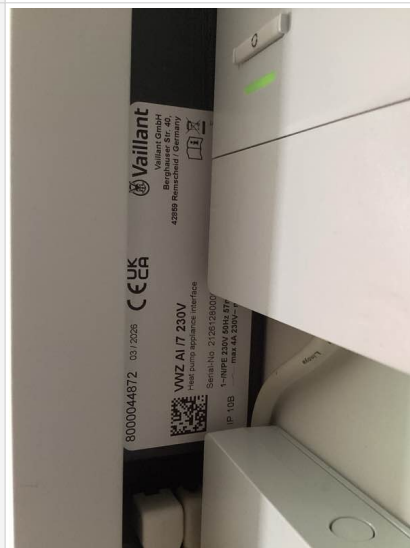
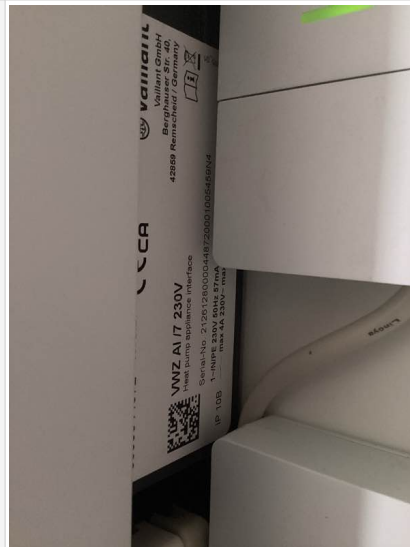
Commissioning Checklist

Has the Expansion Vessel or Internal Air Space Been Checked?	Yes
THERMAL STORES ONLY	
What Store Temperature Is Achievable? (°C)	
What Is the Maximum Hot Water Temperature? (°C)	
ALL INSTALLATIONS	
The Hot Water System Complies With the Appropriate Building Regulations?	Yes
The System Has Been Installed & Commissioned In Accordance With The Manufacturer's Instructions?	Yes
The System Controls Have Been Demonstrated To & Understood By The Customer?	Yes
The Manufacturer's Literature, Including Benchmark Checklist & Service Record, Has Been Explained & Left With the Customer?	Yes
Commissioning Engineer's Signature	
	21/08/2026 09:21 AM
Customer's Signature	
	21/08/2026 09:21 AM
Upload Photo of Heat Pump Data Badge(s)	

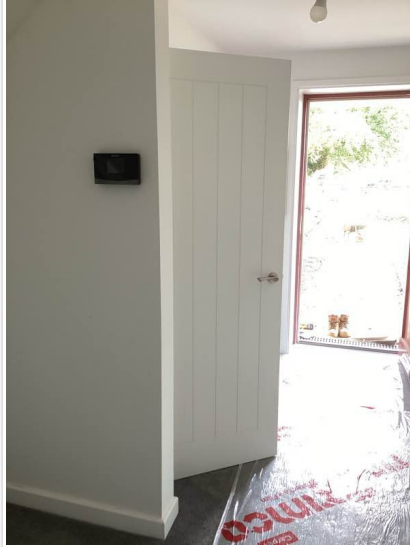
Commissioning Checklist

Upload Photo of Refractometer	
Upload Photo of Cylinder Data Badge	 The image shows a Vaillant data badge for a VIH RW 210/5 C PPES cylinder. The badge lists technical specifications such as indirectly heated domestic hot water cylinder, indirect volume tank, indirect volume heat exchanger, and indirect pressure heat exchanger. It also includes a 'WARNING TO USER' section with safety instructions and a 'WARNING TO INSTALLER' section with installation requirements. The badge is made in the United Kingdom and features various certification marks like CE, UKCA, and NSF.
Additional Image Uploads	 The photograph shows the Vaillant cylinder installed outdoors on a wooden base. The cylinder is a grey, rectangular unit with a large circular fan on the front. It is mounted on a wooden platform on a patch of dirt. In the background, there is a red brick wall with a window and some electrical conduits.
	 This close-up photograph shows the Vaillant cylinder and its connections. The cylinder is mounted on a wooden base, and the connections (pipes and electrical conduits) are visible. The background shows a red brick wall and a window.

Commissioning Checklist



Commissioning Checklist



Commissioning Checklist

Commissioning Checklist

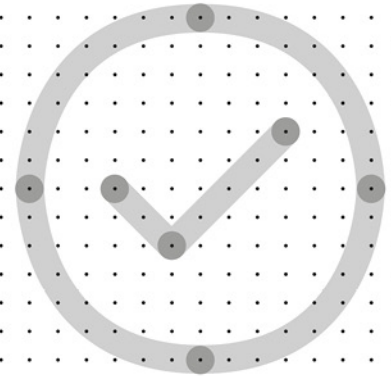


4 Malthouse Cottages Equipment Schedule

Equipment	Model Reference	Capacity	Serial Number
Air Source Heat Pump (ASHP)	Vaillant Arotherm VWL 35/8.1A 230V	3.5kW	21262480000-4952611300105411N1
ASHP Controller	Vaillant Sensocomfort VRC720F	n/a	2126150020-2609370953011547N6
Hot Water Cylinder	Vaillant Unistor VIH RW 210/5	210 litre	21262480000-115191331475674N2
Heating Pump	Grundfos Alpha Go	n/a	n/a
Magnetic Filter	IntaKlean heatpump combined magnetic filter & strainer	n/a	n/a
MVHR Unit	Blauberg EC-SB350	450m ³ /hr (125 l/s)	138710
MVHR Controller	Blauberg	n/a	8270M043-07WT



MCS Certificate



MCS INSTALLATION CERTIFICATE NO. MCS-02933237-O

CERTIFICATE VERSION 1

10/09/2026

INSTALLER DETAILS

MCS Installer: A Greener Alternative Limited
MCS Certification Number: NAP27039
TSI Consumer Code: RECC
TSI Consumer Code ID: 00019127

INSTALLATION DETAILS

Total Installed Capacity (kW): 3.50
Estimated Annual Generation (kWh): 9327.00
Planning Regulations Compliance: Permitted Development Rights
Building Regulations Notification: After The Installation Through A Self
Certification Competent Persons Scheme (CPS)

SITE DETAILS

Address: 4 MALTHOUSE COTTAGES, MALTHOUSE LANE,
HURSTPIERPOINT, East Sussex, BN6 9PE

Supply MPAN: 1900093038344

Commissioning Date: 21/08/2026

PRODUCT DETAILS

TECHNOLOGY TYPE: AIR SOURCE HEAT PUMP

SUBTYPE: Air-To-Water

MCS PRODUCT NUMBER	PRODUCT MANUFACTURER	MCS CERTIFIED PRODUCT NAME	FLOW TEMP	SCOP
KIWA 00016/021 HP	Vaillant Group UK Ltd	Arotherm Plus	50	3.37

ADDITIONAL DETAILS

Renewable System Designed to Provide:
Space heat and DHW

No. of MCS certs:
1

Install New at Commissioning:
Yes

SPACE / WATER HEAT

Annual Space Heating Demand:
6261.00

Annual Water Heating Demand:
3066.00

Annual Space Heating Supplied:
6261.00

Annual Water Heating Supplied:
3066.00





Commissioning Checklist

Section 1

CUSTOMER INFORMATION	
Date/Time	19/08/2026
NAME	
ADDRESS	4 Malthouse Cottages, Malthouse Lane, Hassocks, BN6 9PE
INSTALLER INFORMATION	
ENGINEER NAME	Kieran Burdett
A GREENER ALTERNATIVE LTD	
HANGAR 4, SHOREHAM AIRPORT, SHOREHAM-BY-SEA, WEST SUSSEX, BN43 5FF.	
TEL: 01273455695	
Email: info@agreeneralternative.co.uk	
MCS INSTALLER NUMBER: MCS NAP/27039/20/1	
HEAT PUMP INFORMATION	
HEAT PUMP TECHNOLOGY (Please Select)	Air Source Heat Pump
Type (Please Select)	Monobloc
Manufacturer (Please Select)	Vaillant
Model	aroTHERM plus VWL 35/8.1 A 230V
Quantity	1
Serial Number	21262880000495261300105411N1
Application	Heating & Hot Water
HOT WATER SYSTEM INFORMATION	
Cylinder Type	Unvented
Manufacturer	Vaillant
Model Number	uniSTOR pure VIH RW 210/5 C PPES
Quantity	1
Serial Number	21262180000115191331475674N2
Application	Indirect
ELECTRICAL & HYDRONIC CONTROLS - SYSTEM & HEAT PUMP	
Time & Temperature Control to Heating	Load/Weather Compensation



Commissioning Checklist

Time & Temperature Control to Hot Water	Combined with Heat Pump Main Controls
Hybrid System - Synchronised Control of Boiler & Heat Pump Fitted?	N/A
If Yes - Boiler Model Switching Point (enter tariff or Temperature Level)	
Heating Zone Valves (Including Underfloor Loops)	Not Required
Hot Water Zone Valves	Not Required
Thermostatic Radiator Valves	Fitted
Outdoor Sensor	Not Required
Heat Pump Safety Interlock (3)	Fitted
Flow & Cylinder Temperature Sensors Correctly Positioned?	Yes
Automatic Bypass System	Fitted
Buffer Vessel Fitted?	Yes
If Yes, Buffer Vessel Size (Litres)	40
Plate Heat Exchanger Fitted to Give Hydronic Separation?	No
Expansion Vessel For Heating Is Sized, Fitted & Charged In Accordance With Manufacturers Instructions?	Yes
Legionella Protection For Stored Hot Water Provided By Timed Temperature control?	Yes
WEATHER COMPENSATION SETTINGS	
Flow (°C)	1.00 curve
Outside Temperature (°C)	
AND	
Flow (°C)	
Outside Temperature (°C)	
Manufacturers Control System?	Yes
Third Party Controls?	No
If Yes, Please State Manufacturer Name and Model	
Are Third Party Controls Correctly Interlocked?	N/A
ALL SYSTEMS	



Commissioning Checklist

The Heating System Has Been Filled and Pressure Tested?	Yes
Expansion Vessel For Heating Is Sized, Fitted & Charged In Accordance With Manufacturer's Instructions?	Yes
The System Has Been Flushed & Cleaned In Accordance With BS7593: 2019 & Heat Pump Manufacturer's Instructions?	Yes
What System Cleaner Was Used?	
Brand:	
Product:	
What Heating System Inhibitor Was Used?	
Brand:	Sentinel
Product:	X100
What Heat Pump Anti-Freeze Has Been Used?	
Brand:	Inta
Product:	Anti freeze valves
What Is The Heat Pump Anti-Freeze Concentration Level? (%)	
System Filter Fitted In Accordance With BS 7593: 2019?	Yes
Outdoor Fuse Rating (A)	32
Type	C
Cylinder Coil Surface Area or Plate Heat Exchanger (M ²)	
Please Select	
Legionella Protection (°C)	60.00
Legionella Cycle (days)	7.00
Circulating Pump(s) Speed Settings?	Auto
Measured Flow Rate	
Domestic Hot Water (Litres/Min)	580l/h
Heating (Litres/Min)	580l/h
Measured Steady State Delta T (Flow and Return) (°C)	4
Flow Temperature (°C)	41
Return Temperature (°C)	37



Commissioning Checklist

OUTDOOR UNIT	
Is The Heating System Adequately Frost Protected & Pipes Insulated To Prevent Heat Loss?	Yes
Split Only: The Refrigerant Circuit Has Been Evacuated & Charged In Accordance With Manufacturer's Instructions?	N/A
The Heat Pump Is Fitted On a Solid/Stable Surface Capable of Taking Its Weight?	Yes
The Necessary Heat Pump Defrost Provision Has Been Put In Place?	Yes
The Heat Pumps Fan Is Free From Obstacles & Is Operational?	Yes
Is all External Pipework Insulated?	Yes
ASHP Only: Does The Outdoor Unit Have Adequate Airflow As Per The Manufacturers Guidelines?	Yes
Has Suitable Consideration Been Made For Condensate Discharge?	Yes
Flow & Return Isolation Valves Fitted?	Yes
Anti-Vibration Mounting Pads Fitted?	Yes
Refrigerant Type (Weight KG)	R290 - 0.6kg
Has The Condensate Drain Been Installed To The Manufacturers Instructions?	Yes
HEATING MODE	
The Heating System Has Been Filled & Pressure Tested?	Yes
Heating Temperatures:	
Heating Flow Temperature (°C)	41
Heating Return Temperature (°C)	37
Emitter Type(s)	Radiators
Emitters Balanced?	Yes
Air Removed From System?	Yes
System Correctly Balanced/Rebalanced?	Yes
System correctly balance/rebalanced	
DOMESTIC HOT WATER MODE - MEASURE & RECORD	



Commissioning Checklist

Is The Heat Pump Connected To a Hot Water Cylinder?	Unvented
Hot Water Cylinder Size (Litres)	200.00
Domestic Hot Water Target Temperature (°C)	50.00
Cylinder Heat Up (Minutes)	
Hot Water Has Been Checked At All Outlets?	Yes
ADDITIONAL SYSTEM INFORMATION	
Water Flow Rate Setting of the Heat Pump at Commissioning (Litres/min):	
Additional Heat Sources Connected	N/A
If Other Please specify:	
Remove & Clean Line Strainer If Present	Yes
The Operation of the Heat Pump & System Controls Have Been Demonstrated to the End-User?	Yes
ALL INSTALLATIONS	
All Electrical Work Complies With the Appropriate Regulations	Yes
The Heat Pump & Associated Products Have Been Installed & Commissioned In Accordance With the Manufacturer's Instructions	Yes
The Operation Of the Heat Pump & System Controls Have Been Demonstrated to & Understood by the Customer	Yes
The Manufacturer's Literature Has Been Explained & Left With the Customer	Yes
MAINS PRESSURE HOT WATER STORAGE SYSTEM COMMISSIONING CHECKLIST	
DOMESTIC HOT WATER MODE - MEASURE & RECORD	
Is the Primary Circuit Sealed or Open Vented?	Sealed
What is the Maximum Primary Flow Temperature? (°C)	60
ALL SYSTEMS	



Commissioning Checklist

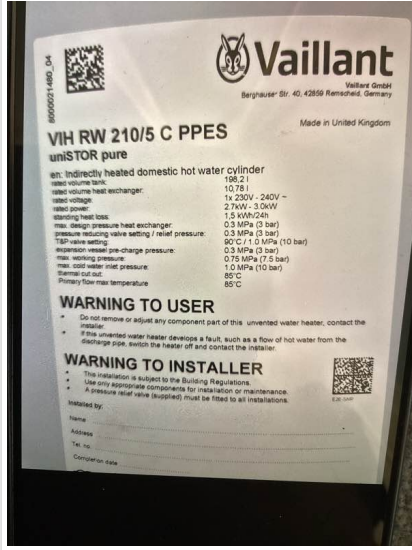
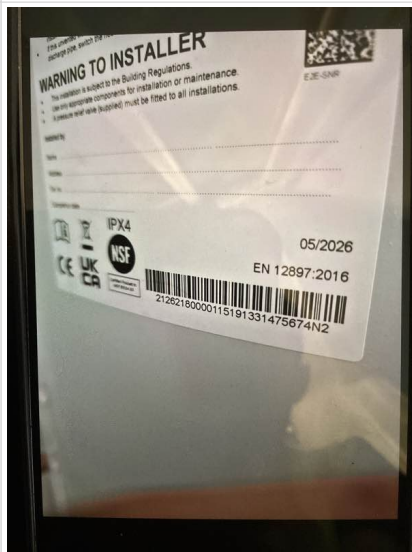
What Is the Incoming Static Cold Water Pressure at the Inlet to the System? (bar)	3
Has a Strainer Been Cleaned on Installation (if fitted)?	Yes
Is the Installation In a Hard Water Area (Above 200ppm)?	
If Yes, Has A Water Scale Reducer Been Fitted?	
What Type Of Scale Reducer Has Been Fitted?	
What Is The Hot Water Thermostat Set Temperature? (°C)	50
What Is The Maximum Hot Water Flow Rate at Set Thermostat Temperature (Measured at High Flow Outlet)? (Litres/min)	
Time & Temperature Controls Have Been Fitted In Compliance With Part L Of The Building Regulations?	Yes
Type of Control System (if applicable)	Y Plan
If Other Please Specify:	
Is the Cylinder Solar (or other renewable) Compatible?	No
What Is The Hot Water Temperature at the Nearest Outlet? (°C)	49
All Appropriate Pipes Have Been Insulated Up To 1 Metre or the Point Where They Become Concealed	Yes
UNVENTED SYSTEMS	
Where is the Pressure Reducing Valve Situated (if fitted)?	Infront of cylinder
What is the Pressure Reducing Valve Setting? (bar)	3
Has a Combined Temperature & Pressure Relief Valve & Expansion Valve Been Fitted & Discharge Tested?	Yes
The Tundish & Discharge Pipework Have Been Connected & Terminated to Part G Of the Building Regulations	Yes
Are All Energy Sources Fitted With a Cut Out Device?	Yes



Commissioning Checklist

Has the Expansion Vessel or Internal Air Space Been Checked?	Yes
THERMAL STORES ONLY	
What Store Temperature Is Achievable? (°C)	
What Is the Maximum Hot Water Temperature? (°C)	
ALL INSTALLATIONS	
The Hot Water System Complies With the Appropriate Building Regulations?	Yes
The System Has Been Installed & Commissioned In Accordance With The Manufacturer's Instructions?	Yes
The System Controls Have Been Demonstrated To & Understood By The Customer?	Yes
The Manufacturer's Literature, Including Benchmark Checklist & Service Record, Has Been Explained & Left With the Customer?	Yes
Commissioning Engineer's Signature	
	21/08/2026 08:45 AM
Customer's Signature	
	21/08/2026 09:08 AM
Upload Photo of Heat Pump Data Badge(s)	

Commissioning Checklist

Upload Photo of Refractometer	
Upload Photo of Cylinder Data Badge	 The image shows a Vaillant data badge for a VIH RW 210/5 C PPES uniSTOR pure indirectly heated domestic hot water cylinder. The badge lists technical specifications such as rated volume (198.2 l), rated power (2.7 kW), and pressure settings. It also includes a 'WARNING TO USER' and 'WARNING TO INSTALLER' section. The badge is made in the United Kingdom.
	 This image is a close-up of the 'WARNING TO INSTALLER' section of the data badge. It states that the installation is subject to the Building Regulations and that a pressure relief valve (supplied) must be fitted to all installations. The badge also features a barcode and the date 05/2026.
Additional Image Uploads	 The image shows the installed Vaillant hot water cylinder in a utility room. The cylinder is white with a black top and is surrounded by copper piping and various valves. The room has white walls and a grey carpet.

Commissioning Checklist



Commissioning Checklist



Commissioning Checklist



Commissioning Checklist



Commissioning Checklist

