|  |  |  |  |
| --- | --- | --- | --- |
| **Installer name**  |  | **Commissioning engineers name** |  |
| **Installation Company** |  | **Commissioning Company** |  |
| **Address** |  | **Address** |  |
| **Phone Number** |  | **Phone Number** |  |
| **Customer Name** |  | **Heat Pump Model No.****(Indoor Unit )** |  |
| **Customer Address** |  | **Heat Pump Serial No.****(Indoor Unit)** |  |
| **Heat Pump Model No.****(Outdoor Unit)** |  |
| **Heat Pump Serial No.****(Outdoor Unit)** |  |
| **Installation Details**  |
| **Heat Pump Location** | **Indoor** – **Outdoor** –  |
| **4 Port Buffer tank /Hydraulic separator**  |  | **Location** |
| **Pipe size/Type from heat pump to cylinder / heat emitters** |   |
| **Heating System** | **Ground Floor** | **First Floor** | **Other (state Detail)** |
|  |  |  |
| **Additional Heat Source Type****(Gas/Oil / Electric etc)**  | **Make** | **Model** | **Capacity** |
|  |  |  |
| **DHW Cylinder** | **Serial Number** | **Make** | **Model** |
|  |  |  |
| **DHW Cylinder Coil Surface area** |  | **Solar** |  |
| **Heat Pump Installed to Manufacturer’s Instructions** |  |

**Commissioning Sheet**

|  |
| --- |
| **Installation Checklist** |
| **Heat Pump Fixed on Solid Surface** |  |
| **Away from Sleeping areas and neighbouring property** |  |
| **Away from influence of string wind** |  |
| **Away from possible snow build up** |  |
| **Away from dripping water sources** |  |
| **Ambient temperature sensor away from direct sunlight** |  |
| **Minimum distance of 300mm from rear wall** |  |
| **Maintenance access from all sides and above** |  |
| **Free passage of air around the heat pump** |  |
| **Positioned where cold air from unit shall not cause a nuisance** |  |
| **Anti-vibration mountings fitted**  |  |
| **Anti-Tipping fixings on base** |  |
| **Safe drainage of condensate away from walkways**  |  |
| **Flexible Anti vibration pipework from heat pump to rigid pipework**  |  |
| **Insulation of all external pipework** |  |
| **Physical Protection of electrical wiring** |  |
| **Electrical Separation of power and control wiring** |  |
| **0.75mm2 Screened cable installed** |  |
| **Earthed at one end** |  |
| **Ingress protection of installed electrical wiring and external switches to IP65 or better** |  |
| **Flow and return pipes identified and installed correctly** |  |
| **Full bore heat pump isolation valves fitted** |  |
| **Potential air traps and automatic air vents fitted** |  |
| **G3 components fitted where required** |  |
| **System has been flushed and cleaned in accordance with BS7593** |  |
| **Corrosion Inhibitor added ( Type , Quantity )** |  |
| **Glycol Manufacturer / Type** |  |
| **Bypass valve installed and set correctly** |  |
| **System filled and vented with all valves open** |  |
| **Suitable Circuit breaker and cable size for Heat pump** |  |
| **Suitable Circuit breaker and cable size for Mirror Box** |  |
| **Suitably rated fused supplies to all other ancillary components** |  |
| **Heating and hot water sensors correctly fitted with good thermal contact and mechanically sound** |  |
| **2nd Outdoor sensor ( If fitted ) mounted away from direct sunlight**  |  |
| **Electrical Installation complies with BS7661** |  |
| **Installation complies with Building Regulations** |  |
| **Heat pump powered for 12 hours before running compressor** |  |

NV\* - Not Verified.

|  |
| --- |
| **DHW Settings** |
| **Set point** | ˚c |
| **Mode** |  |
| **Max Set Point Temp** | ˚c |
| **HP Off** | ˚c |
| **HP on** | ˚c |
| **DHW Min Time** |  min |
| **DHW Max Time** |  min |
| **EH Waiting Time** |  min |
| **Space Priority Status** |  |
| **Space Priority Temperature** | ˚c |
| **Anti Legionella Status** |  |
| **Anti Legionella Set point** | ˚c |
| **Anti Legionella Duration** |  min |
| **Heating Settings** |
| **Number of Heating Zones** |  |
| **Heat Emitter Type** |  |  |
| **Heating Control – Gradient / Fixed / Points** |  |  |
| **Setting** |  |  |
| **Max Supply Temp** | **˚c** | ˚c |
| **Min Supply Temp** | **˚c** | ˚c |
| **Summer Switch Off** |  |
| **Number of Wired T Stat’s** |  |
| **Number of Wireless T Stat’S** |  |
| **Complementary Heating** |
| **HP Only** |  |
| **HP + Heater** |  |
| **HP + Boiler** |  |
| **Bivalent Temperature** |  |
| **Emergency Operation Switch** |  |
| **Commissioning Engineers Notes** |
|  |
| **Operation and System controls left with customer** |  |
| **Manufacturers literature left with customer** |  |

NV\* - Not Verified.

Name………………………………………………… Company………………………………………………………………

Signed……………………………………………….. Date …………………………………………………………………….

Warranty Registration

|  |  |
| --- | --- |
| **Date of Commissioning** |  |
| **Product** |  |
| **Model Number** |  |
| **Serial Number** |  |
| **Year Of Manufacture** |  |
| **Installation Company** |  |
| **Installer Address** |  |
| **Installer Name** |  |
| **Customer Name** |  |
| **House Number / Name** |  |
| **Address** |  |
| **Postcode** |  |
| **Inhibiter Type/ Date** |  |
| **Date of Power Flush** |  |

Signed………………………………………………………………….. Date …………………………………………………………………..

Name ……………………………………………………………………

Please fill in and send within 28 days of date of commissioning of unit to:

**Heating Department**, **Hitachi Europe Limited.**

**Whitebrook Park.**

**Lower Cookham Road.**

**Maidenhead**

**SL6 8YA**