

Fen Bridge Farm, Austen Fen, LN11 0NX  
**Outbuildings Conversion**  
**Full Planning with Listed Building Consent**  
**BFH-FP-007: ASHP**

03/07/2023

The existing heating system to the farmhouse (listed building) is currently configured to use an oil tank fuelled boiler, now regarded as inefficient. We propose to replace this with an Air Source Heat Pump which is accepted as a much more energy efficient and environmentally friendly method of heating a well-insulated home. The current oil tank is in plain sight.

The ASHP is available in a discreet black finish and we can further enhance its discretion by locating behind an existing brick wall/store space (there are a number of existing small external walls to the rear of the building abutting the outhouses that can be used for this purpose – please refer to **BFH-FP-002P** which shows location options). Alternatively, we can position it in the same location as the oil tank and hide it behind a weaved fence to allow the necessary air flow.

**ASHP location options image references**



**Bridge Farmhouse existing oil fuelled boiler**

**ASHP2:** Possible enclosures

**ASHP1:** replace existing oil tank

Existing farmhouse with outbuildings adjacent



**ASHP3:** Defective wall to be rebuilt and shortened offers another option to locate the ASHP discretely with bin storage area.

**Ecovril previous project: Discrete ASHP**



ASHP hidden behind weaved fence

## INTRODUCING THE JOULE AIR SOURCE HEAT PUMP POWERED BY SAMSUNG

The ultimate in home climate convenience is here, thanks to ClimateHub - Samsung's new integrated solution for heating and domestic hot water supply.

With straightforward installation, smooth commissioning, quiet operation and smart connectivity, maintaining home comfort has finally been made easy.

### The Technology - Air Source Heat Pumps

A heat pump is an energy-efficient system that uses the heat from the ambient air for heating and hot water. By using the ambient air and transferring this heat into the house through a hydronic system, such as underfloor heating, a heat pump requires less power input and offers greater power output than conventional boilers.

## INTRODUCING THE SAMSUNG ECO HEATING SYSTEM MONO HT QUIET

Samsung introduces its Eco Heating System (EHS) Mono High Temperature (HT) Quiet with the aim to service the growing home renovations market and expand the offer for new buildings.

This premium heating solution seamlessly integrates and adds style and elegance to a multitude of exterior façades from renovation builds to luxury homes. Additionally it provides an added sense of ease and comfort for consumers and home owners as it meets all heating needs of a household while quietly operating in the background.



### Aesthetic design



Its premium dark colour allows for the EHS Mono HT Quiet to seamlessly blend into a building's exterior. This outdoor unit is approximately 1m in height. So, it can be installed under a balcony window, enhancing the home interior as it does not affect the view out of the window.

