

## Air Source Heat Pump | Daikin Case Study

If investing in your home and safeguarding against rising energy prices is high on your agenda, installing an air source heat pump and other renewable systems is the best solution to future proof your heating system. In addition, you will be contributing to the reduction in carbon emissions compared to other appliances such as gas boilers.

### Overview

On survey of the property we found that the old cottage style residence had no heating system just solid fossil fuel room heaters in a couple of the rooms.

The homeowners wanted to install a full hot water system in their home, which would be both sustainable and cost effective for the future.



### Energy & Cost Savings

Score	Energy rating	Current	Potential
92+	A		
81-91	B		
69-80	C		71   C
55-68	D		
39-54	E		
21-38	F		
1-20	G	13   G	

By installing the air source heat pump, the energy efficiency of the property increased from a G to E rating. Other energy saving measures could have increased this further to a C rating.

The installation will reduce the customers energy bill by up to £1,036 pa and their carbon emissions by 4022 CO<sub>2</sub> / kg annually.\*

\*These calculations are based on the characteristics of the property, occupants and their behaviour within the formula used which varies with every installation.

### Daikin Altherma - Air Source Heat Pump

Powered by 75% renewable energy extracted from the air and 25% electricity, the system heats the property with A+ energy efficiency. This home had a new system of radiators and pipes installed as there was no existing infrastructure in place. In some circumstances we can connect to existing systems such as underfloor heating and radiators. In addition, if you have solar panels installed, they can be used to support the operation of the air source heat pump.

	EDLQ05CAV3	EDLQ07CAV3
Heating Capacity	5kw	7kw
COP	5,3.58	4.52, 3.42
Sound Level	61dBA	62dBA
Weight	76kg	80kg

**Contact Us** for further information or to book a free home survey.



APPROVED INSTALLER

