



## Heat pump in two storey house



Two storey house in County Tipperary

### **Low carbon heating system**

For such a large house the heating system was a big factor and a decision that was not made lightly. However having Mike & Conor O'Brien on board made the process so much easier. As Ashgrove

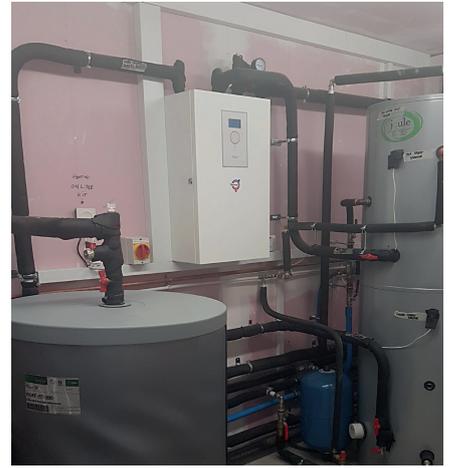
installers they came highly recommended and were a great asset to the planning and designing process. The client fell in love with the idea of unlimited hot water and constant heating 24/7.



Kitchen



Thermia Atec 16 kW air source heat pump



Thermia Atec Plus unit and a 180 litre domestic hot water cylinder

The reassurance from the O'Brien Brothers given to their clients was invaluable and the guarantee their home would be heated using a modern and reliable heat source was a real winning factor for them. The competitive quotation received from Ashgrove was an added bonus for this couple.

#### My Thermia, My experience

"As we have quite a large home we were concerned that we would not be able to find a heating system to meet our needs. However after speaking to Mike & Conor, arranging site visits and

viewing our plans they assured us the Thermia air source heat pump system was the way to go. We are both thrilled with the finished result and would highly recommend both Ashgrove & the O'Brien Brothers to anybody in the building process." said the client.

The running costs are low and the heat pump looks like a great fit for this home. The cost of the complete system; Air to Water heat pump, underfloor and all controls, including the pressurized domestic plumbing system was € 20,771 plus VAT

### Fact Box

446 m<sup>2</sup> Detached 2 Storey House

Built in 2016 Heated by all underfloor

Heat Pump Running since October 2016 Installed by O'Brien Brothers Heating & Plumbing

16 kW air source heat pump with Plus unit and 300 litre cylinder

**TOTAL HEATING COST IS ONLY € 1080.00 PER YEAR!**

## Ashgrove Energy - Renewable energy solutions



Ashgrove has been at the forefront of Renewable Energy Technologies since 1994, providing economical, environmentally friendly, and reliable solutions, with several thousand commercial and domestic projects already completed. Our offices in the United Kingdom & Ireland offer turn-key solutions in design, tendering, project management and

commissioning. Our greatest resource is our 20 years of experience and the superior engineering capability of our technical support team in addition to our highly skilled network of Ashgrove Installer Partners all over the United Kingdom & Ireland.

Ireland: Ashgrove Renewables, Coolnahane, Kanturk, Co. Cork, Call: +353 (0)22 47900

UK: Ashgrove Energy Ltd., Unit E Coney Green Network Centre, Wingfield View, Clay Cross, Chesterfield, Derbyshire, S45 9HX, Call: +44 (0)845 4345458

# THERMIA THE ULTIMATE ENERGY PROVIDER SINCE 1923



### Pioneering heat pumps

For the last 50 years, we have dedicated all our resources and knowledge to developing and endlessly refining one product: the heat pump. Our focus on geothermal energy has given us world-leading knowledge in heat pump technology.



### Engineered with passion

Developing truly sustainable renewable energy solutions can only be achieved with passionate, dedicated and uncompromising experts. Some of Europe's most highly qualified engineers can be found in our own R&D center.



### Born in Sweden

All our products are designed, manufactured and tested in Sweden using the latest technology and the highest quality components. We are proud to count world-leading industry specialist, Danfoss, among our technology partners.