



A couple of example ASHP installations

Different sizes of heat pumps.

Hot water tank, controllers and pipe work fitted into cupboards.



Heat Pumps – a summary

- Better insulation is good (regardless of heating type)
- Heat pumps are 'a fridge backwards' - it's cooling down the outdoors (very slightly) to move the heat into your home
- The energy is electric – as electricity becomes greener so does your heating
- It **will** use a lot less energy (GSHP is better in that respect than ASHP) - even if the electricity is not 100% green you are reducing green house gas emissions (this is an ACAN meeting after all)
- Although you will reduce energy consumption, if you're shifting from gas to a heat pump there won't be large saving in running costs
- You need the space for a hot water tank, no instant hot water
- For RHI (scheduled to end March next '22) you need the capital but in my case will recover ~75% of the installation cost over 7 years
- Some people have to be early adopters to grow the market and draw out innovation. Sometimes they receive financial incentives. Do you want to be an early adopter?
- Overall my experience is that the house is more comfortable as we keep the temperatures more stable
- My system is ASHP if you want more information on that...