

Air Source Heat Pump (ASHP)



An Air Source Heat Pump (ASHP) is a heating system that transfers heat from the outside air to heat the building. It works using the same basic principles as a refrigerator but in reverse, and it's considered a renewable and energy-efficient way to manage temperature in residential or commercial properties.

What You Will Receive

You can expect a high-quality, energy-efficient ASHP precisely tailored to the size and needs of your property. Depending on the model, units typically measure approximately **W: 1095–1385mm, D: 518–523mm, and H: 798–1008mm**. To ensure optimal performance, your pipework will be assessed, with 10mm pipes often upgraded to **15mm**, though **10mm** may remain in certain areas. A cylinder will be installed to store hot water, paired with a buffer vessel to optimise water flow. Cylinders are generally **W: 581mm and H: 1598–2095mm**, with buffer vessels either integrated into the cylinder or installed separately (**H: 560mm, W: 410mm**).

1. Planning

A plan for pipework and installation is devised. Pipework may go through your floor or loft, and platforms may need to be built for your new ASHP and cylinder. Usually a concrete platform for your ASHP and timber for your cylinder.

2. Installation

The installation will include the cylinder, pipework, ASHP, and, if required, the replacement of radiators with double panel models and the addition of TRVs.

3. Testing & Handover

The system is tested to ensure optimal performance, then you will be shown how to operate and maintain the system effectively.

Benefits

- 1. Energy Efficient:** Uses less energy compared to conventional heating systems.
- 2. Cost Savings:** Potential for lower energy bills.
- 3. Eco-Friendly:** Lowers carbon footprint by using renewable energy from the air.