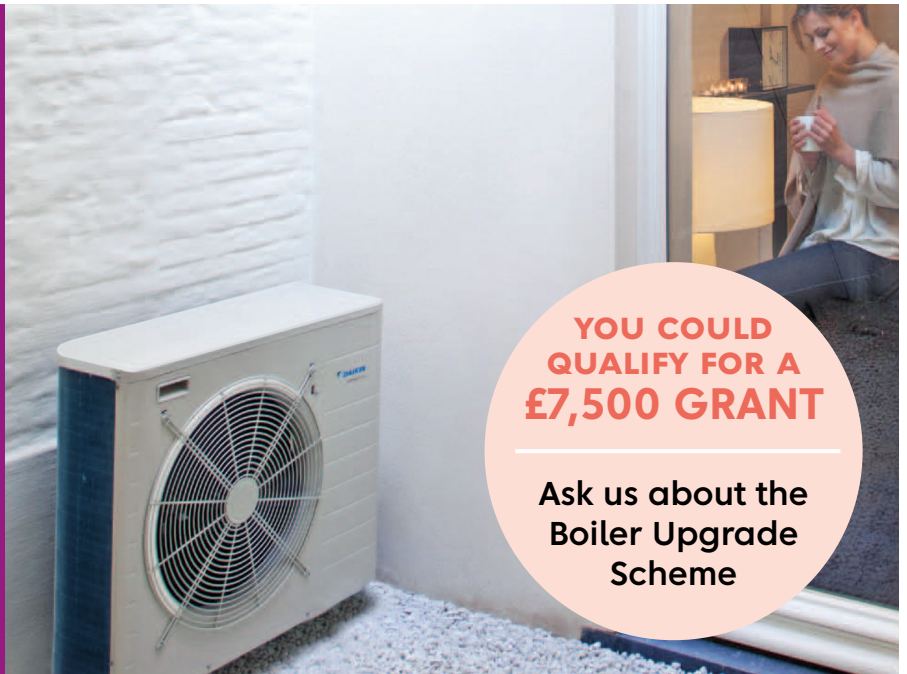


# AIR SOURCE HEAT PUMPS

An eco-friendly, renewable heating system that can help you save money on energy bills



**YOU COULD QUALIFY FOR A £7,500 GRANT**

**Ask us about the Boiler Upgrade Scheme**

## Clean heating solution

An air source heat pump runs on a natural source of energy and produces no carbon.

## Versatile heating solution

An ASHP heats water for radiators and storage in a tank, as well as wet underfloor heating.

## Effective all year round

Even during the winter, when outside temperatures are freezing, an ASHP can still produce enough hot water.

## Reliable & long running

Generally speaking, ASHPs are very reliable and can operate for up to 20 years.

Thinking about replacing your existing boiler with a low carbon air source heat pump (ASHP)? You could qualify for a government grant of £7,500 off the cost and installation through the Boiler Upgrade Scheme (visit the gov.uk website and search for 'Boiler Upgrade Scheme').

Delivering up to four times the energy efficiency of traditional fossil fuel systems, the benefits of heat pump technology are huge, with major cost savings and cutting CO<sup>2</sup> emissions by thousands of tonnes of every year.

The initial site survey is free and if you place an order, we carry out an in-depth heating survey to confirm the size of ASHP suitable for your property.

CJ Plumbing & Heating can help you from the initial site survey right through to the finished installation, which is carried by our in-house MCS approved engineers.

**Contact us for more information or to arrange a FREE site survey**

**cj plumbing & heating**

**01473 822775**

[www.cjph.co.uk](http://www.cjph.co.uk) • [info@cjph.co.uk](mailto:info@cjph.co.uk)



Checkatrade



# How ASHP works

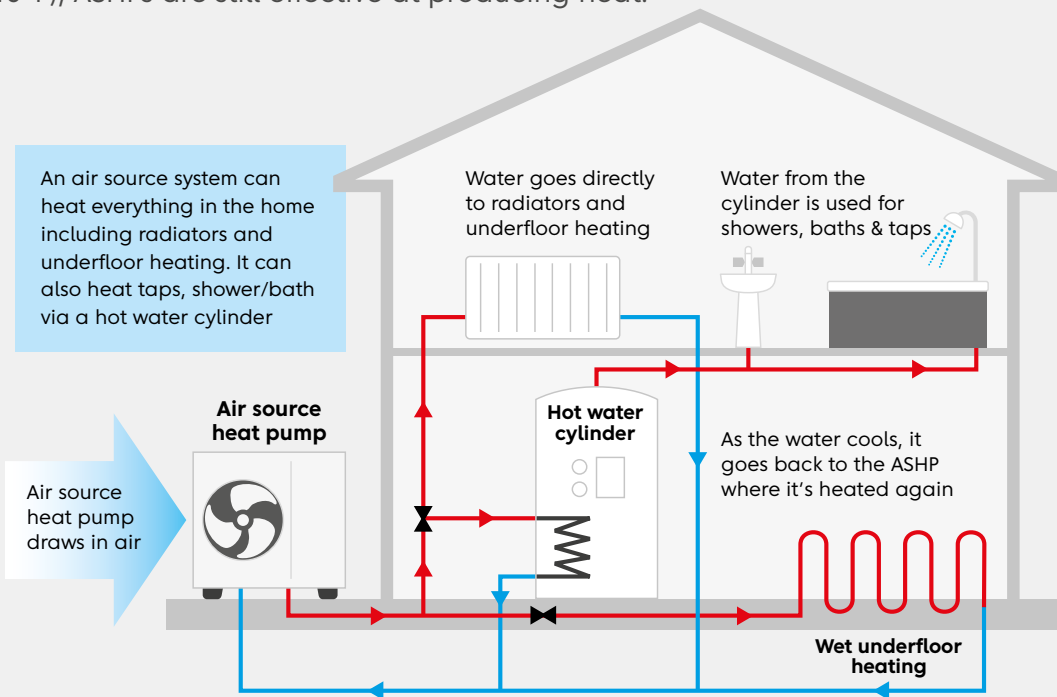
Basically, an air source heat pump (ASHP) sits outside a building and draws in the ambient air using a fan.

Inside the pump, the air transfers through a system of coils and a liquid refrigerant where it's converted to heat and pumped around the property.

The hot water that's produced can feed a cylinder tank (supplying hot water for taps, showers and baths), radiators and even a wet underfloor heating system.

As the water cools, it's pumped back to the ASHP to be heated again.

ASHPs are scalable and suitable for different types of buildings\*, including residential and business premises, schools, venues, barn conversions, etc. And even in cold temperatures (below  $-10^{\circ}\text{F}$ ), ASHPs are still effective at producing heat.



An air source system can heat everything in the home including radiators and underfloor heating. It can also heat taps, shower/bath via a hot water cylinder

Air source heat pump draws in air

Water goes directly to radiators and underfloor heating

Water from the cylinder is used for showers, baths & taps

As the water cools, it goes back to the ASHP where it's heated again

Wet underfloor heating

\*ASHPs systems work most effectively in well-insulated properties.

## Boiler Upgrade Scheme – £7,500 off the cost

The government is offering a grant of £7,500 off the cost and installation of an ASHP through the Boiler Upgrade Scheme (BUS). There are eligibility criteria – go to the gov.uk website and type 'boiler upgrade scheme' in the search bar.



01473 822775

www.cjph.co.uk • info@cjph.co.uk

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Edison House  
Edison Close  
Ransomes Europark  
Ipswich, Suffolk IP3 9GU

