HEAT PUMPS

WARM HOMES

Clivet Heat Pumps

Supplied & installed across the UK by the Firepower network

Clivet have been making heat pumps for over 30 years.

Here at Firepower we distribute renewable heating equipment, including Clivet heat pumps, to installers across the UK. Firepower also draws on over 30 years of experience.

Firepower

Installer network with technical support

Over 30 years of renewable heating experience in both renovations and new build homes means we can work with you to ensure you have a warm, cosy home, whatever the future holds.

That makes sure that the heat pump installations are both reliable and efficient, as well as helping to quickly overcome any technical issues.

Boiler Upgrade Scheme

£7500 grant

Clivet Edge air source heat pumps qualify for the government Boiler Upgrade Scheme which provides a £7500 grant towards the cost of switching to a heat pump.

To qualify both the heat pump and the installer must be MCS certified. MCS stands for the Microgeneration Certification Scheme, mcscertified.com, which helps to demonstrate the quality and reliability of both the heat pump and the installer.

The full range of Clivet air source heat pumps are MCS certified.

MCS CERTIFIED

You already have a heat pump in your kitchen

A fridge is a type of heat pump; it moves (or pumps) heat away from inside the fridge, and into your kitchen, which is what keeps the fridge cool. A heat pump gathers and moves heat from the air outside to keep your home warm.

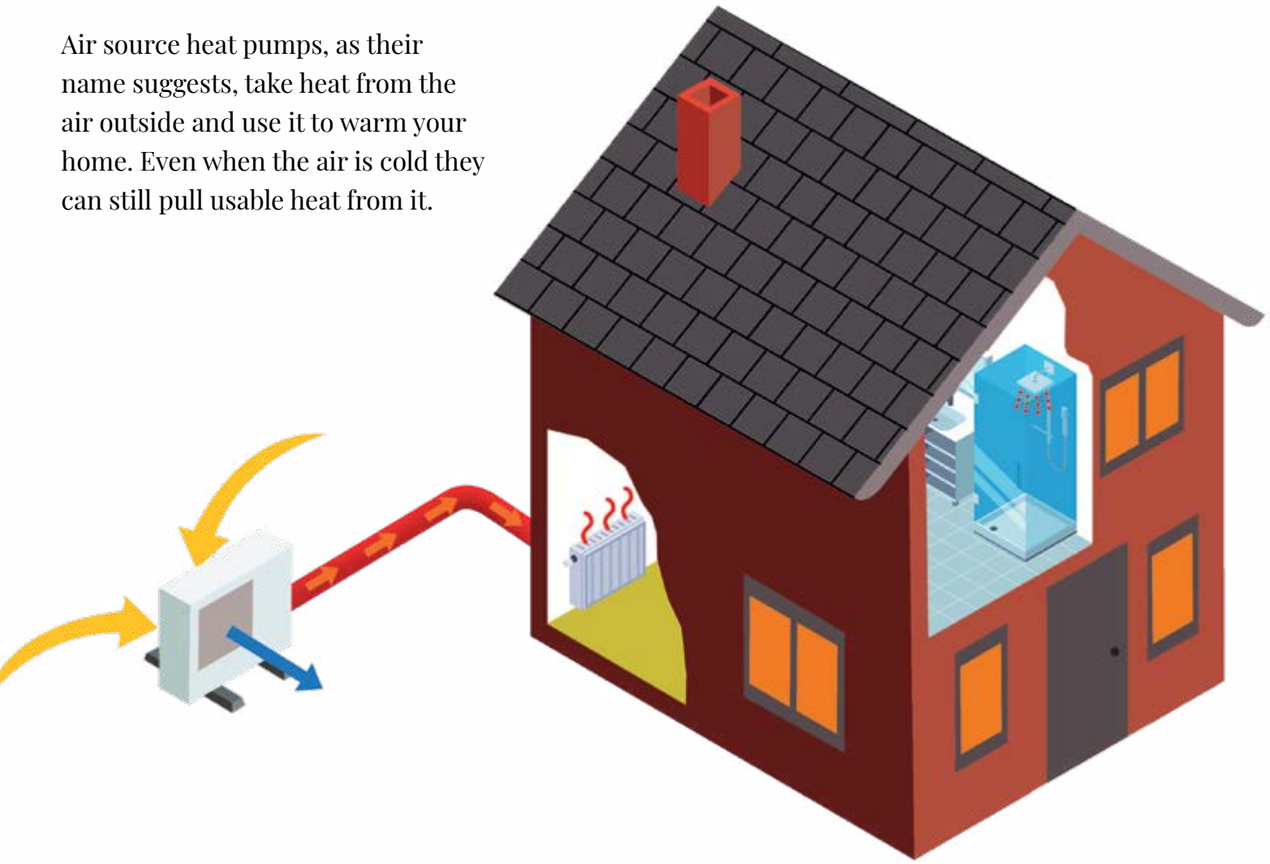
Yes, they do work when it's cold!

Clivet air source heat pumps will provide warmth to your house whatever the British weather decides to do. Even if the temperature falls to -15°C outside, the unit will carry on supplying hot water at 45°C to the central heating.

Heat pumps can be used in older properties, especially when they are sufficiently insulated.

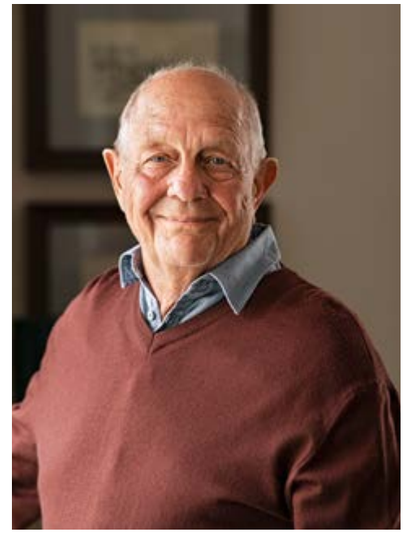
Heat pumps move heat from one place to another

Air source heat pumps, as their name suggests, take heat from the air outside and use it to warm your home. Even when the air is cold they can still pull usable heat from it.



Plenty of piping hot water

Clivet heat pumps provide plenty of hot water for baths and showers, you'll just need a suitable hot water cylinder.



RELIABLE HEAT DAY & NIGHT

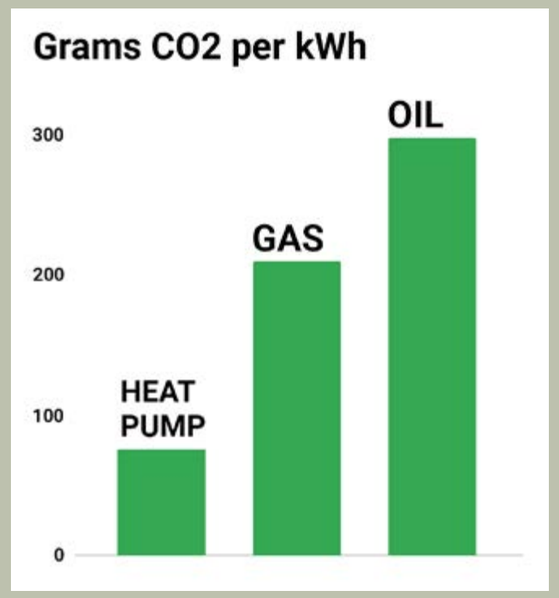
A cosy warm home & hot water when you need it

So you can get on with the more important things in life

LOW CARBON

More and more of our electricity now comes from renewable sources such as wind turbines and solar PV, which means that the carbon emissions of the national grid have steadily gone down.

Heat pumps typically provide more than 3 kWh of heat for every kWh of electricity they use. So their carbon emissions are also less than a third than those of the electricity that powers them. Sign up to a green electricity tariff from your supplier and the carbon emissions drop even further.



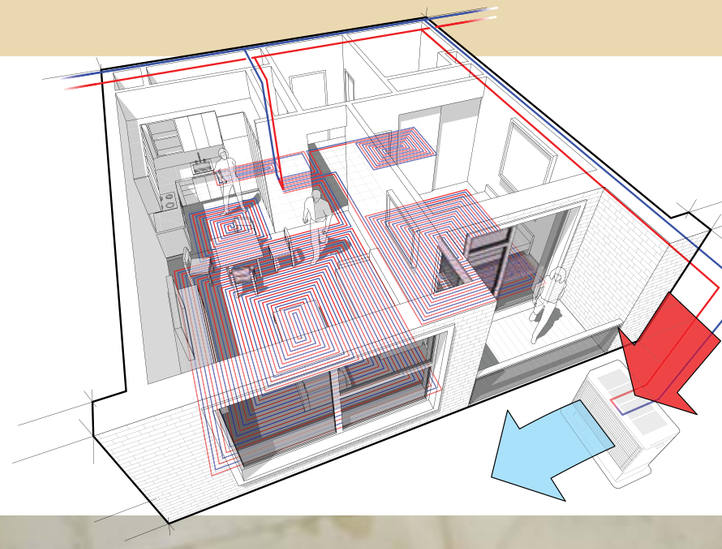
Is your house suitable for a heat pump?

Whether you are changing to renewable heating or not it makes sense to insulate first - that will reduce your heat use, and your costs, year after year.

The lower the temperature a heat pump has to run, the lower its running costs. Ideally it should run at no more than 45°C, which is more than enough to keep your house warm but, unless you have underfloor heating, you will probably need to fit extra radiators, or increase the size of your existing ones, or add in some fan-assisted radiators.

Underfloor Heating

A floor is a big area and so doesn't have to be very hot to warm up the room. That is ideal for a heat pump because they are most efficient when running at lower temperatures.



Fan-assisted radiators can be wall or floor mounted and can come on automatically as needed,

They can be installed as an add-on to your existing radiators. This creates minimum disruption to your home and lets the heat pump run at exceptional efficiencies, which means lower running costs.

HEAT OUTPUTS & SCOPs

The **heat output** of a heat pump varies depending on the temperature it is running at and the air temperature outside. When you contact us at Firepower we can roughly work out the size of heat pump suited to your home, and then the Firepower engineer will perform a more accurate calculation after a site visit.

SCOP stands for the Seasonal Coefficient of Performance. The SCOP is a measure of how efficient the heat pump is run over a whole year.

If a heat pump has a SCOP of 3 that means that for every 1 kW of electricity that is used to run the pump, 3 kW of heat will be given to your home.

To be eligible for the Boiler Upgrade Scheme, air source heat pumps must have a minimum SCOP of 2.8. As you see on the next page, Clivet heat pumps can perform a great deal better than that.

	Output kW	SCOP @ 55°C	SCOP @ 35°C
Clivet Edge EVO 2.0 - 2.1	4.20	3.31	4.85
Clivet Edge EVO 2.0 - 3.1	6.35	3.52	4.95
Clivet Edge EVO 2.0 - 4.1	8.40	3.36	5.21
Clivet Edge EVO 2.0 - 5.1	10.00	3,49	5.19
Clivet Edge EVO 2.0 - 6.1	12.10	3.46	4.81
Clivet Edge EVO 2.0 - 7.1	14.50	3.46	4.81
Clivet Edge EVO 2.0 - 8.1	15.90	3.46	4.72
Clivet Edge Evo 2.0 6.1 T - Three Phase	12.10	3.46	4.72
Clivet Edge Evo 2.0 7.1 T - Three Phase	14.50	3.41	4.62
Clivet Edge Evo 2.0 8.1 T - Three Phase	15.90	3.41	4.62
Clivet Edge Evo 2.0 9.1 T -Three Phase	18.00	3.21	4.61
Clivet Edge Evo 2.0 10.1 T - Three Phase	22.00	3.23	4.54
Clivet Edge Evo 2.0 12.1 T - Three Phase	26.00	3.16	4.5
Clivet Edge Evo 2.0 14.1 T - Three Phase	30.00	3.14	4.2

Heat outputs shown at an outside temperature of 7°C with a flow temperature of 35°C.
Seasonal Coefficient of Performance (SCOP) shown with heating at 55°C and 35°C in a medium climate.

WOOD PELLET HEATING

For those houses that aren't suited to a heat pump wood pellet boilers are an economical and low carbon alternative.

Wood pellet boilers automatically turn on and off, and regulate their output, just like a normal oil or gas boiler. You either fill an internal hopper in the boiler with pellets, or have a larger store of pellets outside with an automatic feed mechanism.

We work closely with Klover, an Italian producer of pellet boilers. There are models designed to be installed inside the house so you can see the flames and boilers designed to go in a utility room or garage.

KLOVER™

Boiler Upgrade Scheme

£5000 grant

Klover wood pellet boilers are all MCS certified and so they also qualify for the Boiler Upgrade Scheme grant.

In addition to the standard criteria, in order to be eligible for a grant towards a wood pellet boiler, your home must be off the gas grid and must be in a location with a population of less than 10,000.

MCS CERTIFIED

The flagship of the range are the Smart central heating range cookers. A beautiful addition to any kitchen, they provide heating and hot water and the ability to cook and bake. We worked with Klover to create UK-specific designs, adding in a range of colours, plain textured finishes, and of course hob covers.

Heat outputs from 5-27 kW, efficiencies from 88-95%.

Wood pellet boilers can also be combined with other renewables like heat pumps, solar PV, solar thermal, and can be linked to thermal stores.

Get in touch to find out more

0800 246 1260
www.firepower.co.uk

Firepower

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