

HEAT PUMP OPTIONS FOR YOUR HOME

ONE MACHINE. UP TO THREE JOBS.

A heat pump does not make heat, it moves it — collecting low-grade warmth from the outside air and concentrating it into water. For every unit of electricity it spends, it delivers roughly four units of heat. That water can warm your floors, your hot water cylinder, your pool, or more than one of them. Here are the five ways we configure it, and the honest trade-off in each.

About **1 kW in, 4 kW out**Floors **22–26°C**Pool **~28°C**Hot water **up to 75% less** than an element

THE FIVE OPTIONS AT A GLANCE

CONFIGURATION	WHEN IT WORKS	WHO IT SUITS	THE RANGE WE FIT
● Underfloor heating only	Winter	New builds and renovations where a slab is going down, and replacements where the loops are already in the floor.	Performance Plus 'U' and 'Ub' series · 10–28 kW
● Hot water only	All year	Any house on an electric cylinder. The easiest retrofit we do, and the one that most often pays for itself.	Econergy HP series · Performance Plus 8GD domestic & commercial
● Pool heating only	Summer	Pools and spas from small courtyard pools up to commercial. Eight units in the range.	Performance Plus Titanium series · 8GP15 to 8GP36-3H
● Underfloor + hot water	All year	The combination we recommend most often. Warm floors through winter, hot water every day of the year, from one machine.	DuoHeat 7GU...D... 'U' and 'Ub' series · 5 models
● Underfloor + pool	Winter + summer	Houses with a pool and a heated slab. One machine covers both, because the two loads happen at opposite ends of the year.	DuoHeat 8GP15/18 'U' and 'Ub' · 4 models

THE ONE DECISION THAT COMES FIRST

HOW MUCH HEAT THE HOUSE LOSES

The biggest number in the sum, and nothing to do with which heat pump you buy. Insulation, glazing, draughts and floor area set the size of the job. We calculate it room by room from your plans before recommending anything.

WHAT YOU WANT IT TO DO

Floors, hot water, pool, or a combination. Adding hot water is what keeps the machine earning through summer; adding a pool is what makes it earn in the months the floors are off.

WHERE THE UNIT CAN LIVE

Outside, with clear air around it, sensible service access and a reasonable pipe run to the plant cupboard — and not under a bedroom window. Usually the only real design decision in the job.

THE SINGLE-PURPOSE OPTIONS

ONE JOB, DONE PROPERLY**01 UNDERFLOOR HEATING ONLY**

The winter job — warm floors, whole house

Performance Plus 'U' and 'Ub' series · 10–28 kW

HOW IT WORKS

Warm water at 35–45°C circulates through loops cast in your slab. The floor itself becomes the heater, holding 22–26°C, zone by zone. Low water temperature is exactly where a heat pump is most efficient, which is why the two suit each other so well.

WHO IT SUITS

New builds and renovations where a slab is going down, and replacements where the loops are already in the floor.

WHAT YOU GET

- Even, silent warmth with nothing visible in the room
- Zone-by-zone control — bedrooms cooler than living areas
- No fan, so no noise, no draught and no dust moved around
- 'Ub' models have the buffer tank and pump built in, which suits tight plant cupboards

STRAIGHT UP

A slab is slow and steady, not instant. It takes hours to come up and hours to cool. Run it steadily with a small overnight setback rather than switching it on and off.

02 HOT WATER ONLY

The everyday job — and usually the fastest payback

Econergy HP series · Performance Plus 8GD domestic & commercial

HOW IT WORKS

A heat pump collects warmth from the outside air and puts it into your cylinder instead of an element doing the work. Water heating is around 40% of a typical power bill, and a heat pump can do the same job for up to about 75% less.

WHO IT SUITS

Any house on an electric cylinder. The easiest retrofit we do, and the one that most often pays for itself.

WHAT YOU GET

- The load that runs every single day of the year, summer included
- Works with a new cylinder or, in many cases, your existing one
- Nothing changes about how your hot water behaves at the tap
- Domestic and commercial sizes, single and three phase

STRAIGHT UP

A heat pump reheats a cylinder more slowly than an element does. That is not a problem in a correctly sized system, but it means sizing matters — a large household with an undersized unit will run out.

POOL, AND THE FIRST COMBINATION**SUMMER, AND ALL YEAR ROUND****03 POOL HEATING ONLY**

The summer job — a swim season worth having

Performance Plus Titanium series · 8GP15 to 8GP36-3H

HOW IT WORKS

Pool water passes through the filter, then through the heat pump's titanium heat exchanger, picking up heat without ever mixing with anything. Holds a pool around 28°C and extends the usable season by months at each end.

WHO IT SUITS

Pools and spas from small courtyard pools up to commercial. Eight units in the range.

WHAT YOU GET

- Months more swimming either side of summer
- Titanium exchanger built for pool chemistry
- Runs quietly in the background off the existing filtration
- Sizes for everything from a plunge pool to a commercial pool

STRAIGHT UP

A pool cover will do more for your running costs than any equipment we can sell you. Most of a pool's heat leaves overnight through the surface. We will say this before we quote, not after.

04 UNDERFLOOR + HOT WATER

One unit, two jobs, twelve months a year

DuoHeat 7GU...D... 'U' and 'Ub' series · 5 models

HOW IT WORKS

A single heat pump serves both the floor loops and the hot water cylinder, with the controls prioritising the cylinder when it needs a top-up. Floors and hot water want different water temperatures, and the unit handles that.

WHO IT SUITS

The combination we recommend most often. Warm floors through winter, hot water every day of the year, from one machine.

WHAT YOU GET

- One unit to install, one to service, one power supply
- The hot water load keeps the unit earning through summer
- Less clutter outside than two separate machines
- One team, one warranty conversation, one number to ring

STRAIGHT UP

The cylinder gets priority when it calls, so on a very cold morning the floors may pause briefly while it recovers. In practice nobody notices, because a slab holds its heat for hours.

THE SECOND COMBINATION**TWO SEASONS, ONE MACHINE****05 UNDERFLOOR + POOL**

Warm floors in winter, warm pool in summer

DuoHeat 8GP15/18 'U' and 'Ub' · 4 models

HOW IT WORKS

The same unit is switched between duties by season: floors from roughly April to September, pool from October to March. One outdoor unit, one power supply, one set of pipework to plan for.

WHO IT SUITS

Houses with a pool and a heated slab. One machine covers both, because the two loads happen at opposite ends of the year.

WHAT YOU GET

- The unit earns its keep in every month of the year
- One machine and one pad instead of two
- Pool can be piped now and connected when the pool is built
- Considerably cheaper than buying two separate systems

STRAIGHT UP

This is a seasonal split, not both at once. On a cold July day the machine is heating your floors, not your pool. Anyone who tells you one domestic unit will do both simultaneously mid-winter is selling you something.

WHY A SEASONAL SPLIT WORKS

Your floors want heat from about April to September. Your pool wants heat from about October to March. They almost never want it at the same time, which is precisely why one machine can cover both — and why hot water is the third job that fills in every month of the year. One unit to site, one to service, one power supply, less clutter outside, one team to ring.

FOUR THINGS WE WILL TELL YOU BEFORE YOU SIGN**A SLAB IS SLOW**

Hours to warm, hours to cool. Steady and even, not instant. Run it with a small setback rather than switching it off.

SIZING MATTERS FOR HOT WATER

A heat pump reheats a cylinder more slowly than an element. Correctly sized this is invisible; undersized, a big household runs out.

BUY A POOL COVER

It will do more for your pool running costs than anything we can sell you. Most of the heat leaves overnight through the surface.

POOL AND FLOORS IS A SEASONAL SPLIT

One domestic unit heats your floors in winter and your pool in summer. It does not do both at once in the middle of July, and anyone who says otherwise is selling you something.

HOW WE GET TO A NUMBER

NO FIGURE WITHOUT YOUR PLANS

Every heating company gets asked what it will cost to run, and most of them make a number up. Two houses of the same size in the same street can differ by a factor of two because one has insulation and double glazing and the other does not. So we publish the method instead, and give you the number once we have seen the house.

01

ROOM-BY-ROOM HEAT LOSS

Calculated from your plans. This sets the size of the job before anyone opens a catalogue.

02

CONFIGURATION

Which of the five options fits how you live, what you already have, and what you might add later.

03

FIXED PRICE

Equipment, pipework, controls, electrical requirements and commissioning. It does not move unless the drawings do.

04

INSTALL & COMMISSION

Balanced, tested, documented, and demonstrated to you in plain language. Then we service it.

SEND US YOUR PLANS

Or just the address and a description of what you have. We will do the heat loss calculation and come back with a figure we are prepared to stand behind — free, and with no obligation.

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