

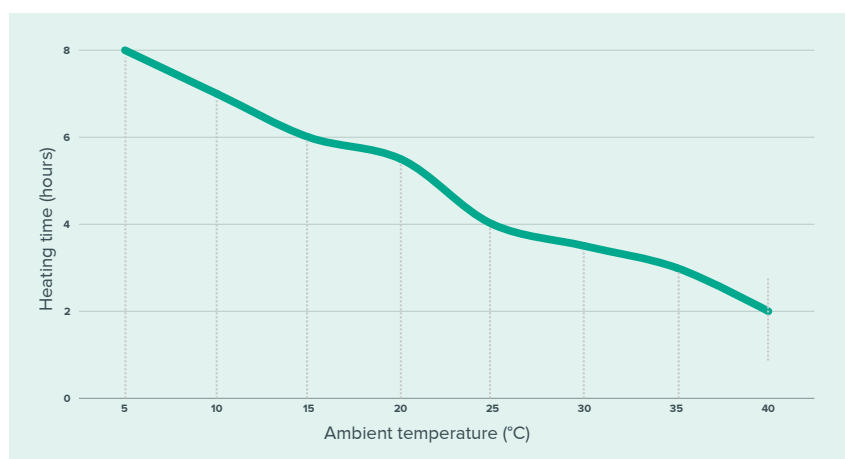
# Optimise your Heat Pump this winter

## Your heat pump's efficiency will vary from season to season

Heat pump technology involves extracting heat from the outside air to heat your water system. Naturally, as the outside air becomes colder in winter, your hot water heat pump has to work harder and longer to heat to heat the water in your tank.

Understanding how the temperature can effect how long it takes your tank to heat your hot water, helps you plan around your water usage.

## See graph for how the outdoor temperature effects how long it takes to heat your water



\*Graph uses multiple scenarios and average temperatures throughout seasons.



# Winter Heat Pump Tips

1



## Monitor hot water levels via **Emerald App**

Link your All-In-One hot water heat pump with the Emerald App to track your hot water in real time, wherever you are. View your available hot water and control your usage. The app allows you to understand your usage and plan to ensure you always have glorious warm showers 24/7.

2



## Use **'Boost'** strategically

Boost mode increases the heating output temporarily to quickly meet your demands for warmer water. It's especially useful on days when your household needs more hot water than usual and the weather forecast predicts colder than usual days.

3



## Do an **efficiency check** on your home

Ensuring the insulation of your home's pipes and hot water system is crucial for winter efficiency. Items like your shower head and pipe insulation can go a long way in improving the hot water (or lack there of) in your household over winter.

4



## Adapt solar setup for Winter

If you're heating your Emerald All-In-One Heat Pump through solar alone, you may notice a drop in performance during the winter months. Particularly if you live in a colder climate. During winter months you may need to adapt your solar setup to allow for heating without daylight.

5



## Consider **Smart Actions**

Emerald's App was designed with 'Smart Actions', allowing you to schedule operating times for your heat pump. Don't know what Smart actions are? [We've written a blog explaining them in detail](#), give it a read to consider if Smart Actions are right for you.

