

## DOCKETED

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## **Water cooled pool pumps**

Hi,

I would like to raise the possibility of adding provision in the standard to cover water cooled pool pumps. While having a focus on the energy efficiency of the motor is no doubt important there are alternate ways in which energy can be recovered in these systems that has similar results.

One way is to use a water cooled pump and capture the wasted heat from the motor and feed it into the pool water. This is seen in spa baths and pools and is an effective way in reducing wasted heat.

For a typical 1kW pool pump up to 250W of the heat that would normally feed into the surrounding air can be captured in the pool water. For locations where external heating of the water is common this can have varying degrees of energy saving.

I'm not sure how this might be added to the standard but I think these alternate solutions to solving the energy efficiency of pool pumps should be considered.

Regards,

Joel