

3 The units of specific heat capacity are $\text{J kg}^{-1} \text{K}^{-1}$.

What are the SI base units of specific heat capacity?

A $\text{m s}^{-2} \text{K}^{-1}$

B $\text{m s}^{-1} \text{K}^{-1}$

C $\text{m}^2 \text{s}^{-2} \text{K}^{-1}$

D $\text{m}^2 \text{s}^{-1} \text{K}^{-1}$