13 A speed-boat with two engines, each of power output 36 kW, can travel at a maximum speed of $12\,ms^{-1}$. The total drag D on the boat is related to the speed v of the boat by the equation shown.

$$D \propto v^2$$

What is the maximum speed of the boat when only one engine is working?

A $3.0\,ms^{-1}$ **B** $6.0\,ms^{-1}$ **C** $8.5\,ms^{-1}$ **D** $9.5\,ms^{-1}$