9   A speed boat with two engines, each of power output of 36 kW, can travel at a maximum speed of 12 m s⁻¹. The total drag force D on the boat is related to the speed v of the boat by the following equation:

$$D \propto v^2$$

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

A   3.0 m s⁻¹   B   6.0 m s⁻¹   C   8.5 m s⁻¹
                        D   9.5 m s⁻¹