10 The drag force acting on a car moving at a speed v through still air is proportional to v^2.

When the car is travelling at 20 m s^{-1} on a level road, the power required to overcome the drag force is 4800 W.

What power is required when the car travels at 25 m s^{-1}?

A 6000 W **B** 7500 W **C** 8000 W **D** 9400 W