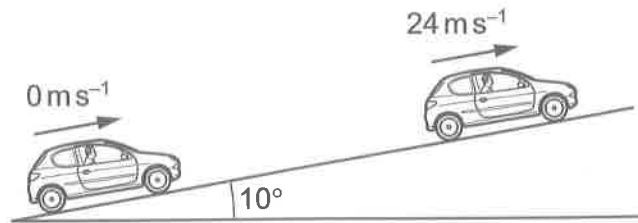


- 16 A car of mass 1000 kg accelerates uniformly up a road inclined at 10° to the horizontal. Starting from rest, the car reaches a speed of 24 m s^{-1} in 10 seconds.



Ignoring resistive forces, what is the power output of the car's engine when the car reaches the speed of 24 m s^{-1} ?

- A** 28 kW **B** 49 kW **C** 57 kW **D** 98 kW

