9 A lorry of mass 2000 kg has an engine which can deliver a maximum power of 50 kW.

What is the minimum time in which the lorry can be accelerated from rest to a speed of $100\ \text{km}\,\text{h}^{-1}$ on level ground?

A 11.3 s   **B** 15.4 s   **C** 30.9 s   **D** 200 s