8 A car of mass 800 kg is moving at 20 m s^{-1} along a horizontal road. The total resistive force acting on the car is 200 N.

It begins to accelerate at 0.50 m s^{-2}.

What is the total output power developed by the car at its initial acceleration?

A	2.0 kW	**B**	4.0 kW
C	8.0 kW	**D**	12 kW