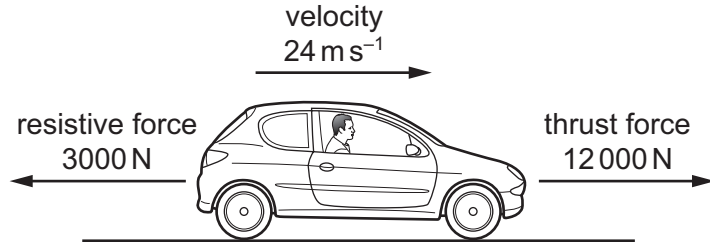


18 A car of weight 15 000 N is travelling along a horizontal road.



At one instant, the thrust force acting on the car from the engine is 12 000 N and the resistive force acting on the car is 3000 N. The velocity of the car at this instant is 24 m s^{-1} .

What is the power output from the engine?

A 72 kW

B 220 kW

C 290 kW

D 360 kW