

- 8** A toy car of mass 70 kg is moving at a constant velocity of 20 m s^{-1} up a track that is inclined at an angle of 30° to the horizontal.

A constant resistive force of 120 N acts on the toy car throughout its motion.

What is the power supplied by the motor of the toy car?

- A** 2400 W **B** 4500 W **C** 9300 W **D** 16000 W