

**13** An electric motor is used to haul a cage of mass 100 kg, at a constant speed, up a mine shaft through a vertical height of 1000 m in 90 s.  
What will be the electrical power required if the overall efficient is 70 %?

- A** 1.6 kW
- B** 7.8 kW
- C** 15.6 kW
- D** 952 kW