

13 A motor of power 10 W is used to lift a load of 20 N. The efficiency of the motor is 25 %. How long does it take to lift the load through a vertical distance of 0.50 m?

- A 0.040 s B 0.25 s C 4.0 s D 39 s

14 A lift is at the ground floor of a building. It is to move up to the 10th floor. The lift is to move up at a constant speed of 1.0 m s⁻¹. The height of the 10th floor is 30 m. How long does it take for the lift to reach the 10th floor?