

- 7 A motor is used to lift a load of mass 0.80 kg vertically upward at an acceleration of 1.0 m s^{-2} for a distance of 2.0 m . The efficiency of the motor is 60% .

What is the electrical energy supplied to the motor in performing this task?

- A** 2.7 J **B** 17 J **C** 26 J **D** 29 J