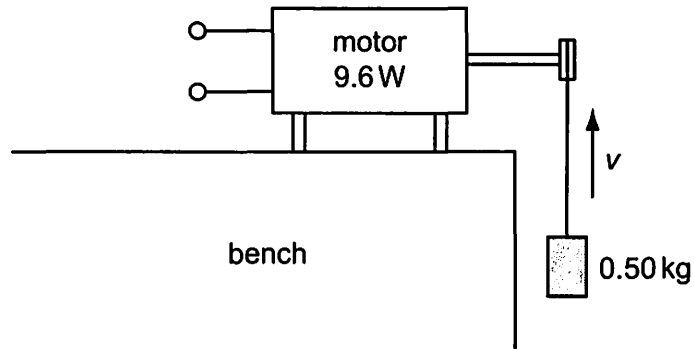


- 15 A small electric motor is 20% efficient. Its input power is 9.6 W when it is lifting a mass of 0.50 kg at a steady speed  $v$ .



What is the value of  $v$ ?

- A  $0.39\text{ ms}^{-1}$       B  $2.0\text{ ms}^{-1}$       C  $2.8\text{ ms}^{-1}$       D  $3.0\text{ ms}^{-1}$