19 A water pump is driven by an engine. The pump raises a volume of $0.50 \, m^3$ of water in 1.0 minute from a depth of 30 m. The pump has an efficiency of 70%.

The density of water is $1000 \, kg \, m^{-3}$.

What is the useful output power from the engine?

A 2.5 kW   **B** 3.5 kW   **C** 150 kW   **D** 210 kW