15 Water from a reservoir is fed to the turbine of a hydroelectric system at a rate of $510\,\text{kg}\,\text{s}^{-1}$. The reservoir is 280 m above the level of the turbine.

The electrical output from the generator driven by the turbine is a current of 205 A at a potential difference of 5800 V.

What is the efficiency of the system?

A 8.3%   **B** 12%   **C** 83%   **D** 85%