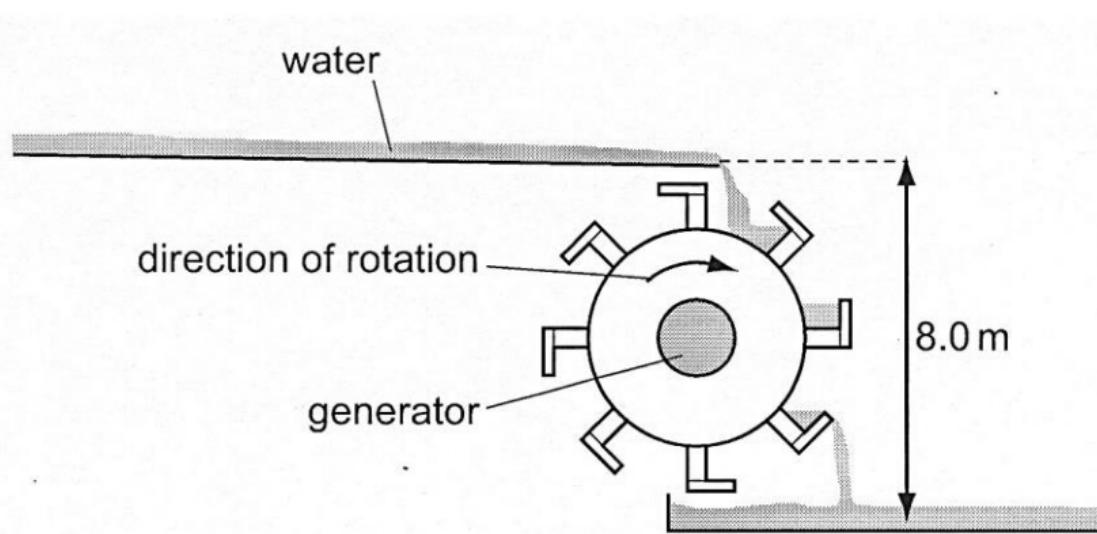


- 9 The diagram shows the design of a water wheel which drives a generator to produce electrical energy. The flow rate of water is 200 kg s^{-1} . The generator supplies a current of 32 A at a voltage of 230 V.



Ignoring any changes in the kinetic energy of the water, what is the efficiency of the system?

A 5 %

B 14 %

C 22 %

D 47 %