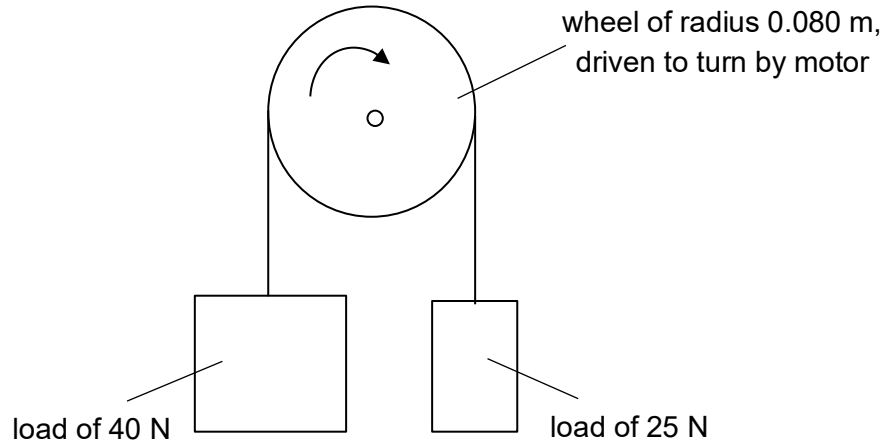


7

A light rope is passed over the circumference of the wheel.

One end of the rope is fastened to a freely hanging load of weight 40 N. The other end of the rope is fastened to a load of weight 25 N.



When the wheel turns at a constant rate of 10 revolutions per second, both loads remain stationary.

What is the output power of the motor?

- A** 12 W                      **B** 38 W                      **C** 50 W                      **D** 75 W