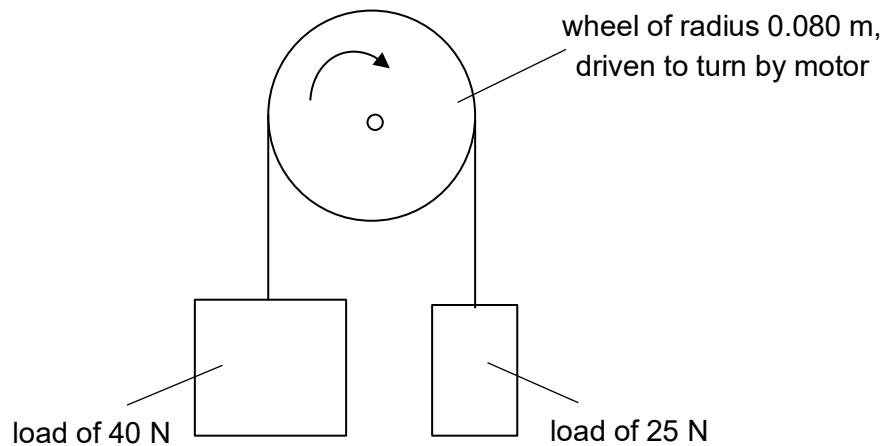


- 7 A wheel of radius 0.080 m is driven by a motor, as shown in the diagram below.  
A light rope is passed over the circumference of the wheel.  
One end of the rope is fastened to a freely hanging load of weight 40 N. The other end of the rope is fastened to a load of weight 25 N.



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