

11 A part in an engine is rotating in a circle of radius 8.0 cm at 3000 revolutions per minute.

What is its centripetal acceleration?

- A 25ms^{-2}
- B 7900ms^{-2}
- C $3.1 \times 10^4\text{ms}^{-2}$
- D $7.2 \times 10^7\text{ms}^{-2}$