

27 A moving source emits sound of frequency 1200 Hz.

A stationary observer hears sound of frequency 960 Hz. The speed of the sound is 340 m s^{-1} .

What could be the velocity of the source?

- A** 68 m s^{-1} directly away from the observer
- B** 68 m s^{-1} directly towards the observer
- C** 85 m s^{-1} directly away from the observer
- D** 85 m s^{-1} directly towards the observer