

22 A source of sound waves is moving at a constant speed directly towards a stationary observer.

The sound waves have a speed of 340 m s^{-1} and a frequency of 480 Hz . The observer hears sound waves of frequency 650 Hz .

What is the speed of the source?

- A** 89 m s^{-1} **B** 120 m s^{-1} **C** 250 m s^{-1} **D** 340 m s^{-1}