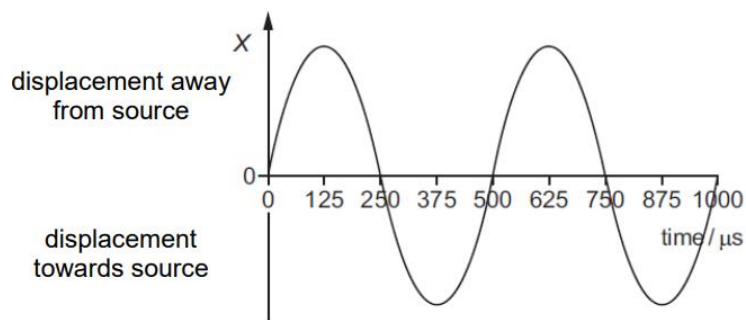**16** The graph shows the variation with time of the displacement X of an air particle as a continuous sound wave passes through the air.

The speed of sound in the air is 330 m s^{-1}. All the graphs below have the same scales for the time axes as the graph above.

What is the displacement-time graph for another particle that is 0.04125 m away in the direction of the wave motion from this particle?