9 A strong wind of speed $33\,m\,s^{-1}$ blows against a wall. The density of the air is $1.2\,kg\,m^{-3}$. The wall has an area of $12\,m^2$ at right angles to the wind velocity. The air has its speed reduced to zero when it hits the wall.

What is the approximate force exerted by the air on the wall?

A 330 N **B** 400 N **C** 480 N **D** 16 000 N

Space for working