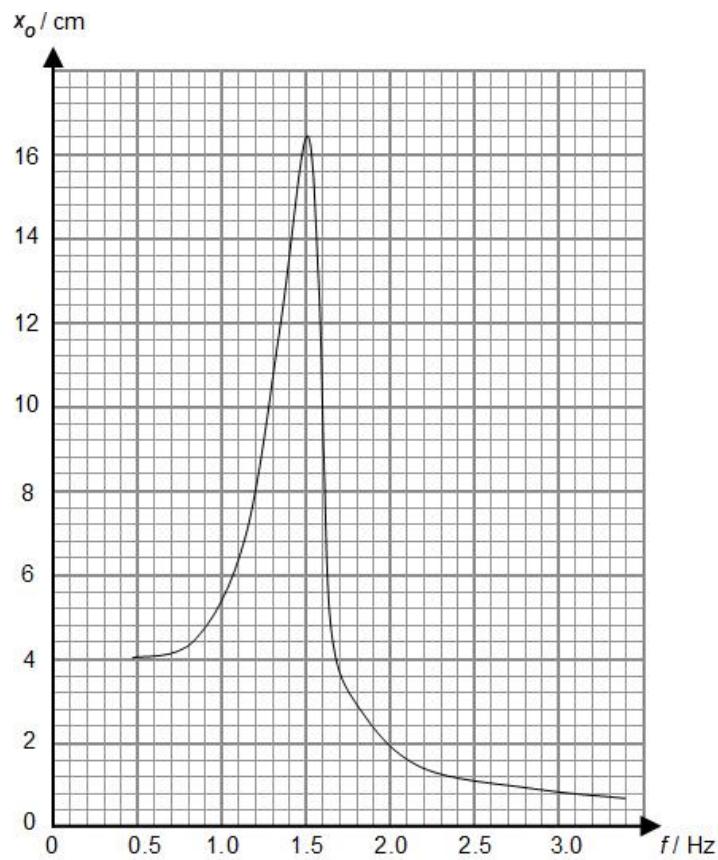


- 16** The diagram below shows the variation with frequency  $f$  of the amplitude  $x_0$  of the forced oscillation of a machine.



At resonance, what is the maximum speed of the machine and the degree of damping it experiences?

	maximum speed / $\text{m s}^{-1}$	degree of damping
<b>A</b>	1.55	light
<b>B</b>	1.55	heavy
<b>C</b>	14.6	light
<b>D</b>	14.6	heavy