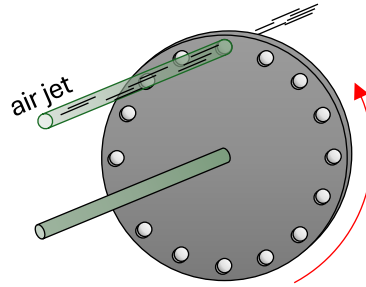


- 10 A siren can be made by blowing a jet of air through 16 equally spaced holes in a rotating disc as shown. The time it takes for successive holes to move past the air jet is the period of the sound wave.



What is the angular speed of rotation if the frequency of the sound produced is 2200 Hz?

- A 438 rad s⁻¹
- B 864 rad s⁻¹
- C 1728 rad s⁻¹
- D 3456 rad s⁻¹