

Consider the following disk and answer the questions based on the parameters.

Parameter	Value
Model	Seagate ST34321A
Cylinders	8912
Heads	15
Sectors	63 Sectors/Track
Sector Size	512 Bytes
RPM	5400 RPM
Bus	ATA/33 (33 MB/s)
Random Seek Latency	11 ms

Question 4. What is the random 4 kB read speed of the disk in IOPS (I/Os per second)?

Question 1. How big is the drive in sectors?

Question 5. If we double the rotational speed how does it improve the sequential and random performance?

Question 2. How big is the drive in megabytes?

Question 3. What is the sequential read speed of the disk in MB/s?