

$$T_{avg\ rotation} = \frac{1}{2} \times \frac{1}{15,000RPM} \times \frac{60secs}{1min} \times \frac{1,000ms}{1sec} = 2ms$$

$$T_{avg\ transfer} = \frac{1}{15,000RPM} \times \frac{1track}{800sectors} \times \frac{60secs}{1min} \times \frac{1,000ms}{1sec} = 0.005ms$$

$$T_{access} = T_{seek} + T_{avg\ rotation} + T_{avg\ transfer} = 4ms + 2ms + 0.005ms = 6.005ms$$