## SAMSUNG :

## FEATURES

* Max. 500GB formatted capacity per disk
* SATA Native Command Queuing feature
* TuMR/PMR head with FOD technology
* SATA 6Gb/s interface support
* Load/unload head technology
* ATA Security Mode feature set
* ATA S.M.A.R.T. feature set
* SilentSeek™
* NoiseGuard™

## DRIVE CONFIGURATION

* Interface: SATA 6Gb/s (3.0Gb/s, 1.5Gb/s)
* Rotational Speed: 5400-RPM class

## PERFORMANCE SPECIFICATIONS

* Average Seek Time (typical): 12ms
* Average Latency: 5.6ms
* Drive Ready Time (typical)2 : 3 sec
* Data Transfer Rate - Media to/from Buffer (max.): 145MB/s - Buffer to/from Host (max.): 600MB/s

## RELIABILITY SPECIFICATIONS

* Nonrecoverable Read Error: 1 sector in 1014 bits
* Controlled Ramp Load/Unload: 600,000

## ACOUSTICS

* Idle: 2.3 Bel
* Performance Seek: 2.5 Bel

## POWER REQUIREMENTS

* Voltage: + 5V ± 5%
* Spin-up Current (max.): 1000 mA
* Seek (avg.)3 : 2W