

Samsung Spinpoint T 320GB SATA II HDD 3.5" Serial ATA II

Brand : Samsung **Product family:** Spinpoint T **Product code:** HD320LJ

Product name : 320GB SATA II HDD



320GB SATA II HDD, 7200 RPM, 8MB Buffer

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Features:

- Bowl type architecture.
- Fluid Dynamic Bearing (FDB) motor technology.
- Low power seek control with PWM driver.
- Multi Sinusoidal Seek (MSS) algorithm.
- SMART Command Transport (SCT) feature.
- Adaptive error recovery algorithm.
- Auto-reassign of potential data error location.
- ATA security Mode feature.
- ATA Host Protected Area feature.
- ATA Automatic Accoustic Management feature.
- ATA Device Configuration Overlay feature.
- Permuted RLL/ECC on-the-fly error correction.
- ATA SMART Selective Self-test.
- Device Initiated SATA power Management.
- RoHS compliant.
- NoiseGuard™.
- SilentSeek™.
- ImpacGuard™.

Samsung Spinpoint T 320GB SATA II HDD. HDD size: 3.5", HDD capacity: 320 GB, HDD speed: 7200 RPM

Features		Operational conditions	
HDD size *	3.5"	Storage temperature (T-T)	-40 - 70 °C
HDD capacity *	320 GB	Operating relative humidity (H-H)	5 - 90%
HDD speed *	7200 RPM	Storage relative humidity (H-H)	5 - 95%
Interface *	Serial ATA II	Operating altitude	0 - 3000 m
Storage drive buffer size	8 MB	Non-operating altitude	0 - 12000 m
Full stroke seek time	18 ms	Operating shock	63 G
Track to track seek time	0.8 ms	Non-operating shock	300 G
Average seek time	8.9 ms	Weight & dimensions	
Average latency	4.17 ms	Width	147 mm
Bytes per sector	512	Height	26.1 mm
Mean time between failures (MTBF)	600000 h	Depth	101.6 mm
Power		Weight	651 g
Power consumption (typical)	10 W	Other features	
Power consumption (standby)	1.3 W	Power requirements	+5V±5%; +12V±10%
Operating voltage	5 / 12 V	Acoustic pressure emissions	2.8 dB
Operational conditions		Internal	✓
Operating temperature (T-T)	0 - 60 °C	Drive ready time	10 s

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