

## Samsung SpinPoint F1 334GB HDD 3.5" 320 GB Serial ATA II

**Brand :** Samsung      **Product family:** SpinPoint F1      **Product code:** HD321HJ

**Product name :** 334GB HDD



HD321HJ - 320GB SATA II HDD

Samsung SpinPoint F1 334GB HDD 3.5" 320 GB Serial ATA II:

- improved recording stability over temperature with PMR
- intelligent compensation of external disturbance
- device initiated SATA power management
- environment friendly product with RoHS compliance
- ATA S.M.A.R.T. compliant
- ATA 48-bit address feature
- NoiseGuard™
- advanced dynamic FOD control for best data integrity
- SATA native command queuing feature
- rotational vibration sensor
- improved performance with dual-ARM based firmware
- ATA automatic acoustic management feature
- ATA device configuration overlay feature
- SilentSeek™

Samsung SpinPoint F1 334GB HDD. HDD size: 3.5", HDD capacity: 320 GB, HDD speed: 7200 RPM

Features		Power	
HDD size *	3.5"	Start-up current	2 A
HDD capacity *	320 GB	<b>Operational conditions</b>	
HDD speed *	7200 RPM	Operating temperature (T-T)	0 - 60 °C
Interface *	Serial ATA II	Storage temperature (T-T)	-40 - 70 °C
Type *	HDD	Operating relative humidity (H-H)	5 - 90%
Storage drive buffer size	8 MB	Storage relative humidity (H-H)	5 - 95%
Average seek time	8.9 ms	Operating altitude	-300 - 3000 m
Average latency	4.17 ms	Non-operating altitude	-300 - 12000 m
Bytes per sector	512	Operating shock	70 G
Start/stop cycles	50000	Non-operating shock	350 G
<b>Power</b>		<b>Weight &amp; dimensions</b>	
Power consumption (standby)	1.13 W	Width	101.5 mm
Power consumption (PowerSave)	1.13 W	Height	26.1 mm
Power consumption (read)	6.64 W	Depth	147 mm
Power consumption (write)	6.64 W	Weight	470 g
Power consumption (idle)	5.32 W	<b>Other features</b>	
Operating voltage	5 / 12 V	Drive ready time	8 s

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