



## Seagate Desktop HDD Barracuda 320GB Serial ATA II



**Brand :** Seagate

**Product family:** Desktop HDD

**Product code:** ST3320820NS

**Product name :** Barracuda  
320GB

Barracuda 320GB, SATA II

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### These drives provide the following key features:

- 7,200 RPM spindle speed.
- High instantaneous (burst) data-transfer rates (up to 300 Mbytes per second).
- Perpendicular recording technology provides the drives with increased areal density.
- State-of-the-art cache and on-the-fly error-correction algorithms.
- Native Command Queueing with command ordering to increase performance in demanding applications.
- Full-track multiple-sector transfer capability without local processor intervention.
- Quiet operation.
- SeaTools diagnostic software performs a drive self-test that eliminates unnecessary drive returns.
- Support for S.M.A.R.T. drive monitoring and reporting.
- Supports latching SATA cables and connectors.

Seagate Desktop HDD Barracuda 320GB. HDD capacity: 320 GB, HDD speed: 7200 RPM

Features		Operational conditions	
HDD capacity *	320 GB	Operating vibration	5-22Hz: 0.25Gs, 22-350Hz: 0.50Gs, 350-500Hz: 0.25Gs
HDD speed *	7200 RPM	Non-operating vibration	5-22Hz: 0.25Gs, 22-350Hz: 5.0Gs, 350-500Hz: 1.0Gs
Interface *	Serial ATA II	Operating altitude	-60.96 - 3.048 m
Storage drive buffer size	8 MB	Non-operating altitude	-60.96 - 12.192 m
HDD number of heads	4	Operating shock	63 G
HDD number of cylinders	16383	Non-operating shock	350 G
Read seek time	0.8 ms	<b>Weight &amp; dimensions</b>	
Write seek time	1 ms	Width	101.6 mm
Average latency	4.16 ms	Height	26.1 mm
Bytes per sector	512	Depth	147 mm
<b>Power</b>		Weight	635 g
Operating voltage	5 V	<b>Other features</b>	
Start-up current	2.8 A	Sustained data rate	72 MB/s
<b>Operational conditions</b>		Internal	✓
Operating temperature (T-T)	5 - 55 °C	Maximum data transfer rate	1030 Mbit/s
Storage temperature (T-T)	-40 - 70 °C	Drive devices burst data transfer rate (PIO)	0-4
Operating relative humidity (H-H)	5 - 90%	Drive devices burst data transfer rate (Ultra DMA)	0-6
Storage relative humidity (H-H)	5 - 95%	USB powered	✗
		Recording density	781 kbit/inch

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