


Product Description	Seagate 500GB Barracuda HDD
<p>The Seagate Barracuda 7200.9 is the industry's most comprehensive 3.5-inch drive. Providing leading technology targeted at PATA servers, mainstream and high performance PCs/workstations and media PCs.</p>	

Product Specification

MAIN SPECIFICATIONS

Manufacturer	Seagate Technology
Manufacturer Part Number	ST3500641A
Manufacturer Website Address	www.seagate.com
Product Line	Barracuda
Product Name	Barracuda 7200.9 500GB Hard Drive

EXTENDED SPECIFICATIONS

Technical Information

Storage Capacity	500GB
Heads	16 Logical
Cylinders	16383
Bytes per Sector	512
Sectors per Track	63
Platform Support	PC

Drive Performance

Data Transfer Rate	100MBps External Maximum Ultra ATA/100 (ATA-6)
Rotational Speed	7200 rpm
Seek Time	11 ms Average
Latency	4.16 ms Average
Buffer	16MB
Start/Stop Cycles	50000

Product Specification Continued

Interfaces/Ports

Interfaces/Ports Ultra ATA/100 (ATA-6) IDE/EIDE

Reliability

Shock Tolerance 63Gs @ 2 ms Operating
350Gs @ 2 ms Non-operating

Data Error Rate 1/10E14 bits Read Non-recoverable

Power Description

Input Voltage 5 V DC \pm 5%
12 V DC \pm 10%
Input Current 2.607 A Typical @ 12V DC Operating
Power Consumption 8.161W Seek(s)
6.946W Idle
0.329W Standby

Environmental Conditions

Temperature 0 °C to 60 °C Operating
-40 °C to 70 °C Non-operating
Sound Emission 28 dB Idle (Typical)
32 dB Seek(s)

Physical Characteristics

Form Factor 3.5" Internal
Dimensions 2.61cm Height x 10.16cm Width x 14.7cm Depth
Weight 0.69 kg

Miscellaneous

Additional Information 3D Defence System for comprehensive protection against handling damage and data loss
Recording Method: 96/102 GPRML
Best-Fit Applications:
Mainstream and High Performance PC's
Entry level ATA Servers, including RAID
PC Gaming Systems
Home Media Servers, Near-Line Storage

Certifications & Standards RHOS Compliant
S.M.A.R.T

Warranty

Standard Warranty 5 Year(s) Limited - Worldwide
Parts Warranty/Labour 5 Year(s)