


Product Description	Seagate 80GB Barracuda HDD
<p>The World's toughest and quietest high performance desktop drive with record setting storage density.</p>	

Product Specification

MAIN SPECIFICATIONS

Manufacturer	Seagate Technology
Manufacturer Part Number	ST380013A-RK
Manufacturer Website Address	www.seagate.com
Product Line	Barracuda
Product Name	Barracuda 7200.7 80GB Hard Drive

EXTENDED SPECIFICATIONS

Technical Information

Storage Capacity	80GB
Heads	2 Physical 16 Logical
Cylinders	16383
Discs/Platters	1
Bytes per Sector	512
Sectors per Track	63

Drive Performance

Data Transfer Rate	100MBps External Maximum 85.4Mbps Internal >58Mbps Sustained Average
Rotational Speed	7200 rpm
Seek Time	8.5 ms Average
Latency	4.16 ms Average
Buffer	2MB
Start/Stop Cycles	50000

Product Specification Continued

Interfaces/Ports

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

Reliability

MTBF 600000 Hour(s)
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 2.8 A Typical @ 12V DC Operating
Power Consumption 12.5W Seek(s)
12W Read/Write
7.5W Idle
0.9W Standby

Environmental Conditions

Temperature 0 °C to 60 °C Operating
-40 °C to 70 °C Non-operating
Sound Emission 25 dB Idle (Typical)
25 dB Quiet Seek
31 dB Performance Seek

Physical Characteristics

Form Factor 3.5" Internal
Dimensions 2.6cm Height x 10.16cm Width x 14.7cm Depth
Weight 0.635 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 S.M.A.R.T
Warranty

Standard Warranty 1 Year(s) Limited - Worldwide
Parts Warranty/Labour 1 Year(s)

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