


Product Description	Seagate 40GB Barracuda HDD
<p>Barracuda 5400.1 delivers a cost-efficient design with features you would expect from a more expensive drive. Whether integrating into an entry-level PC or consumer electronics application, Barracuda 5400.1 is the ideal solution for cost-sensitive systems.</p>	

Product Specification

MAIN SPECIFICATIONS

Manufacturer	Seagate Technology
Manufacturer Part Number	ST340015A
Manufacturer Website Address	www.seagate.com
Product Line	Barracuda
Product Name	Barracuda 5400.1 ATA Hard Drive

EXTENDED SPECIFICATIONS

Technical Information

Storage Capacity	40GB
Heads	1 Physical 16 Logical
Cylinders	16383
Discs/Platters	1
Bytes per Sector	512
Sectors per Track	63

Drive Performance

Data Transfer Rate	100MBps External Maximum Ultra ATA/100 (ATA-6) 511Mbps Internal
Rotational Speed	5400 rpm
Seek Time	12.5 ms Average
Latency	5.55 ms Average
Buffer	2MB
Start/Stop Cycles	50000

Product Specification Continued

Interfaces/Ports

Interfaces/Ports 1 x 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 A Typical @ 12V DC Operating
1.2 A Typical @ 5V DC Operating
Power Consumption 7.3W Seek(s)
6.6W Read/Write
5W Idle
1.4W Standby
0.9W Sleep

Environmental Conditions

Temperature 0 °C to 60 °C Operating
-40 °C to 70 °C Non-operating
Sound Emission 26 dB Idle (Typical)
27 dB Seek(s)

Physical Characteristics

Form Factor 3.5" Internal
Dimensions 2cm Height x 10.2cm Width x 14.69cm Depth
Weight 0.454 kg

Miscellaneous

Additional Information SoftSonic FDB Motor
Enhanced G-Force Protection
Recording Method: 96/102 GPRML

Best-Fit Applications:

Entry-Level PCs
Office Computers
External Storage
Printers and Copiers
Consumer Electronics

Certifications & Standards

S.M.A.R.T

Warranty

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

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