





# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for MAXTOR BARRACUDA 7200.10. You'll find the answers to all your questions on the MAXTOR BARRACUDA 7200.10 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual MAXTOR BARRACUDA 7200.10**  
**User guide MAXTOR BARRACUDA 7200.10**  
**Operating instructions MAXTOR BARRACUDA 7200.10**  
**Instructions for use MAXTOR BARRACUDA 7200.10**  
**Instruction manual MAXTOR BARRACUDA 7200.10**






**Barracuda 7200.10**  
Experience the industry's proven flagship perpendicular 3.5-inch hard drive

**80 GB to 750 GB • SATA 1.5Gb/s or 3Gb/s and PATA 100**


**Key Advantages**

- First 3.5-inch drive to utilize capacity- and reliability-boosting perpendicular recording technology
- First drive to reach 750 GB—a full year ahead of competition—enabling new solutions for data-intensive applications.
- Industry's most proven and established desktop hard drive available today—more than 16 million shipped to date\*
- "One-stop shopping" with a broad range of capacity, cache and interface options for all your computing needs
- Best-in-class environmental specifications and reliability features
- Adaptive Fly Height offers consistent read/write performance from the beginning to the end of your computing workload.
- Clean Sweep automatically calibrates your drive.
- Directed Offline-Scan runs diagnostics when storage access is not needed.
- RoHS-compliant design assures an environmentally conscious product.
- Enhanced G-Force Protection™ defends against handling damage.
- Seagate® SoftSonic™ motor enables whisper-quiet operation.
- Backed by a 5-year limited warranty



**Best-Fit Applications**

- Desktop and High-Performance PCs
- Gamer PCs
- Workstations
- High-end PCs
- Desktop RAID
- Mainstream PCs
- Point-of-sale devices/ATMs
- USB/FireWire/eSATA personal external storage



\*18 million Barracuda 7200.10 drives shipped as of 4/18/07



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**Manual abstract:**

Clean Sweep automatically calibrates your drive. Directed Offline Scan runs diagnostics when storage access is not needed. RoHS-compliant design assures an environmentally conscious product. Enhanced G-Force Protection™ defends against handling damage. Seagate® SoftSonic™ motor enables whisper-quiet operation. Backed by a 5-year limited warranty . . . . . Best-Fit Applications Desktop and High-Performance PCs · Gamer PCs · Workstations ·

High-end PCs · Desktop RAID · Mainstream PCs · Point-of-sale devices/ATMs · USB/FireWire/eSATA personal external storage \*16 million Barracuda 7200.10 drives shipped as of 4/18/07 Barracuda 7200.10 Experience the industry's proven flagship perpendicular 3.5-inch hard drive Specifications Model

Number 750 GB1 ST3750640A ST3750640AS 500 GB1 ST3500630A ST3500630AS 400 GB1 ST3400620A ST3400620AS 320 GB1 ST3320620A ST3320620AS 250 GB1 ST3250620A ST3250620AS ST3250820A ST3250820AS Ultra ATA/100 SATA 3Gb/s NCQ SATA 1.5Gb/s NCQ 100/300 16, 8 4.

16 7200 3/2 512 50,000 1 per 1014 700,000 0.34% 5 2.8 12.6 13.0 9.

3 0 to 60 40 to 70 68 350 2.53 3.03 1.028/26.1 4.

000/101.6 5.787/146.99 1.28/580 ST3250410AS ST3250310AS 160 GB1 ST3160815A ST3160815AS ST3160215A ST3160215AS Ultra ATA/100 SATA 3Gb/s NCQ SATA 1.5Gb/s NCQ 100/300 8, 2 4.16 7200 2/1 512 50,000 1 per 1014 700,000 0.34% 5 2.0 9.0 8.

5 5.3 0 to 60 40 to 75 63 350 2.8 4 2.9 4 .787/19.99 4.000/101.6 5.787/146.99 .

838/380 80 GB1 ST380815AS ST380215A ST380215AS Ultra ATA/100 SATA 3Gb/s NCQ SATA 1.5Gb/s NCQ 100/300 8, 2 4.16 7200 1/1 512 50,000 1 per 1014 700,000 0.34% 5 2.0 9.

0 8.5 5.3 0 to 60 40 to 75 63 350 2.8 4 2.9 4 .

787/19.99 4.000/101.6 5.787/146.99 .805/365 Interface Options Ultra ATA/100 SATA 3Gb/s NCQ SATA 1.5Gb/s NCQ 100/300 16 4.16 7200 8/4 512 50,000 1 per 1014 0.34% 5 2.

8 12.6 13.0 9.3 0 to 60 40 to 70 68 300 2.8 3 3.73 1.028/26.1 4.000/101.6 5.

787/146.99 1.59/720 Ultra ATA/100 SATA 3Gb/s NCQ SATA 1.5Gb/s NCQ 100/300 16 4.16 7200 6/3 512 50,000 1 per 1014 700,000 0.34% 5 2.8 12.6 13.0 9.3 0 to 60 40 to 70 68 300 2.

8 3 3.73 1.028/26.1 4.000/101.6 5.787/146.99 1.59/720 Ultra ATA/100 SATA 3Gb/s NCQ SATA 1.5Gb/s NCQ 100/300 16 4.

16 7200 5/3 512 50,000 1 per 1014 700,000 0.34% 5 2.8 12.6 13.0 9.3 0 to 60 40 to 70 68 300 2.73 3.4 3 1.028/26.1 4.

000/101.6 5.787/146.99 1.4/635 Ultra ATA/100 SATA 3Gb/s NCQ SATA 1.

5Gb/s NCQ 100/300 16 4.16 7200 4/2 512 50,000 1 per 1014 700,000 0.34% 5 2.8 12.6 13.

0 9.3 0 to 60 40 to 70 68 350 2.53 3.03 1.028/26.1 4.000/101.6 5.787/146.99 1.

4/635 SATA 3Gb/s NCQ SATA 1.5Gb/s NCQ Performance Transfer Rate, Max Ext (MB/s) Cache (MB) Average Latency (msec) Spindle Speed (RPM)

Configuration/Organization Heads/Disks 2 Bytes per Sector Reliability/Data integrity Contact Start-Stops Nonrecoverable Read Errors per Bits Read Annualized Failure Rate (AFR) Limited Warranty (years) Power Management +12 VDC +/-10% (amps peak) Power Management (watts) Seek Avg Operating Avg Idle Avg Environmental Temperature, Operating (°C) Temperature, Nonoperating (°C) Shock, Operating: 2 msec (Gs) Shock, Nonoperating: 1 msec (Gs) Acoustics, Idle (bels--sound power) Acoustics, Seek (bels--sound power) Physical Height (in/mm) Width (in/mm) Depth (in/mm) Weight (lb/kg) 1 100/300 16,

8 4.16 7200 2/1 512 50,000 1 per 1014 700,000 0.34% 5 2.0 9.0 8.5 5.3 0 to 60 40 to 70 63 350 2.7 4 2.8 4 .

787/19.99 4.000/101.6 5.787/146.

99 .805/365 Mean Time Between Failures (MTBF, hours) 700,000 @@2 Leading areal density enables fewer heads/disks. @@@@All rights reserved.

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