

PERFORMANCE

HIGHLIGHTS:

3.5-inch 7200 RPM performance hard drives

Capacities up to 200GB

Designed for performance PCs, PC gaming systems, and digital video

FEATURES:

- Fast ATA/Enhanced IDE-compatible
- Ultra ATA data transfer speeds up to 133MB/sec
- Serial ATA option with transfer speeds up to 150MB/sec
- 100% FDB (fluid dynamic bearing) motors
- 2MB and 8MB cache buffer
- Shock Protection System™
- Data Protection System™
- 1-year limited warranty

DiamondMax® PLUS 9

Superior Performance Combined with Industry-leading Capacity

The DiamondMax® Plus 9 hard disk drive is designed to exceed previous standards for desktop performance. DiamondMax Plus 9 drives are offered with industry-standard capacity points up to 200GB. By delivering a performance hard drive using a highly leveraged design with state-of-the-art quality and reliability, Maxtor demonstrates technology leadership with DiamondMax Plus 9 drives.

Maxtor-developed Ultra ATA interface and Serial ATA interface

Maxtor-developed Ultra ATA interfaces have data transfer rates of 133 MB/sec. DiamondMax Plus 9 drives will also be available with optional serial ATA interface. With either parallel Ultra ATA/133, or the increased speed and capabilities of Serial ATA/150, users will have a choice of the fastest available data transfer rates and interface functionality. These interfaces place Maxtor on the leading edge of interface technology.

Fluid Dynamic Bearing (FDB) Motors

All DiamondMax Plus 9 drives are equipped with FDB motors. This technology allows the drive to operate with very low sound output for performance users who are concerned about acoustics.

Delivering Reliability

DiamondMax Plus 9 drives deliver high reliability and data integrity using the Maxtor-developed Shock Protection System (SPS) and Data Protection System (DPS). SPS and DPS give the drive enhanced protection against operating and non-operating shock to eliminate costly drive returns. When your application demands reliability, performance and capacity, DiamondMax Plus 9 drives are the ideal choice.



60GB

80GB

120GB

160GB

200GB

Capacity	60GB	80GB	120GB	160GB	200GB
Model ATA/133 2MB buffer	6Y060L0	6Y080L0	6Y120L0	6Y160L0	
ATA/133 8MB buffer		6Y080P0	6Y120P0	6Y160P0	6Y200P0
SATA/150 8MB buffer	6Y060M0	6Y080M0	6Y120M0	6Y160M0	6Y200M0

Note: L-FDB motor

Performance Specifications

Rotational Speed	7200 RPM	
Buffer Size	2MB and 8MB cache	
External Transfer Rate(MB/sec)	ATA/133	133
	SATA	150
Average Seek (ms)	≤9.4	
Average Latency (ms)	4.2	

Drive Configuration

Bytes per Sector/Block	512	
Logical CHS	16,383/16/63	

Reliability Specifications

Start/Stop Cycles (min)	>50,000	
Component Design Line (min)	5 years	
Data Errors (non-recoverable)	<1 per 10E 15 bits read	
Annualized Return Rate (ARR)	<1%	

Power Requirements

Mode	5V	12V
Seek (mA)	858	662
Idle (mA)	668	334
Standby (mA)	90	37

Environmental Limits

Acoustics FDB motor

Idle (sound power: bel)	2.7
Seek (sound power: bel)	3.5

Temperature

Operating (°C)	5 to 55
Non-operating (°C)	-40 to 71

Shock

Operating Mechanical Shock 2ms (G)	60
Non-operating Mechanical Shock 2ms (G)	300

Physical Dimensions

Height (max mm)	26.1
Width (typical mm)	101.6
Length (max mm)	147
Weight (LB/g)	1.27/630

Specifications subject to change without notice. GB means 1 billion bytes. Total accessible capacity varies depending on operating environment. Seek times and acoustics are average values. ©2003 Maxtor Corporation. Maxtor and DiamondMax are registered trademarks of Maxtor Corporation. All other trademarks are the property of their respective owner. Printed in the USA. Maxtor Corporation, 500 McCarthy Boulevard, Milpitas, CA, 95035. 1/03 CL/GI



For more information on Maxtor storage products, visit www.maxtor.com

All Maxtor products are backed by our leading service and support staff.

Warranty services include:

- Advance replacement in 2 business days
- 24-hour online troubleshooting tools and email
- Maxtor's commitment to total customer satisfaction
- Product support representatives available Monday-Friday

To speak with a Maxtor product support representative in the U.S. and Canada, call 1-800-2MAXTOR, Mon.-Fri. from 5 a.m. to 5 p.m (PST).

In Europe, call +353 1 204 1111 Mon.-Thur. from 8:30 a.m. to 5 p.m (GMT) and Fri. 8:30 a.m. to 4 p.m. (GMT).

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