

PERFORMANCE

HIGHLIGHTS

- 3.5-inch 7200 RPM mainstream performance hard drive
- Designed for mainstream commercial and consumer performance PC Users

FEATURES

Industry leading design, optimized to meet the needs of entry level and value applications:

- Supports today's favorite capacity – 40GB
- ATA/133, the fastest and latest IDE interface
- FDB (fluid dynamic bearing) motor for quiet operation
- Low height to improve airflow and cooling
- Low weight to reduce shipping costs
- Improved reliability with:
 - Shock Protection System™
 - Data Protection System™
- RoHS compliant version available

DiamondMax® Plus 8

ATA HARD DRIVE

40GB

Mainstream Performance for Desktop Systems

Maxtor hard drive leadership continues with the DiamondMax® Plus 8 drive, the industry's first single-head, single-platter, 7200 RPM product. DiamondMax Plus 8 drives provide 40GB capacity. Combining performance and value, the drive is a perfect combination for the mainstream consumer or commercial user.

Maxtor-developed Ultra ATA Interface

DiamondMax Plus 8 drives use the Ultra ATA/133 interface, the fastest desktop interface, with data transfer rates of 133 MB/sec.

Fluid Dynamic Bearing (FDB) Motors

DiamondMax Plus 8 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.

RoHS Compliant

Maxtor supports the EU directive for Restriction of Hazardous Substances (RoHS)¹. RoHS compliant versions of DiamondMax Plus 8 are available.

Delivering Reliability

DiamondMax Plus 8 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 minimize costly drive returns. When your application requires excellent performance at mainstream capacities, select DiamondMax Plus 8 drives from Maxtor.



¹Directive 2002/95/EC of the European Parliament and of the Council of 27 January, 2003.

ORDER INFORMATION

Capacity	40GB
Model ATA/133 2MB buffer	6E040L0

RoHS Compliant Version



Model ATA/133 2MB buffer	6K040L0
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Performance Specifications

Rotational Speed	7200 RPM
Buffer Size	2MB
Max External Transfer Rate (MB/sec)	133
Average Seek (ms)	<10
Average Latency (ms)	4.17

Drive Configuration

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

Reliability Specifications

Head Load/Unload (min)	100,000
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)	562	440
Idle (mA)	396	440
Standby (mA)	65	35

Environmental Limits

Acoustics FDB motor

Idle (sound power: bel)	2.7
Seek (sound power: bel)	2.8

Temperature

Operating (°C)*	5 to 60
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)	17.5
Width (typical mm)	101.6
Length (max mm)	146.1
Weight (LB/G)	1.12/510



For support or information, call us at 1-800-2Maxtor or visit us at www.maxtor.com

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

Service includes:

- Advance replacement in 2 business days
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In Australia, call +61 2 9369 3662. In Japan, call 00531653616, And in Singapore, call 65-6852-0220 or 1-800-481-6788.

*See product manual for operating temperature
Specifications subject to change without notice. For purposes of measuring drive storage capacity, 1 GB means 1 billion bytes. Total accessible capacity varies depending on operating environment. Seek times and acoustics are average values. Seek performance developed utilizing technology licensed from Convolve, Inc.

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