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TECHNOLOGY GROUP

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Full-service, independent repair center
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PERFORMANCE

3.5-Inch 7200 RPM Performance-Class Hard Drives

Capacities up to 80GB

Designed for Commercial Desktop Systems & High-End Consumer Applications

HIGHLIGHTS:

- Fast ATA/Enhanced IDE Compatible
- Ultra ATA/133 Data Transfer Speed
- 2MB Cache Buffer
- Quiet Drive Technology Plus
- Shock Protection System
- Data Protection System
- 3-Year Warranty

DiamondMax®Plus D740X

Demonstrating Outstanding Performance and Reliability

The Maxtor DiamondMax® Plus D740X hard disk drive is designed to meet the need for performance. With 40GB per platter at industry standard capacity points, the D740X confirms Maxtor's leadership in drive technology. The D740X uses optimized electrical and mechanical designs to achieve leading capacity points, quality, reliability and acoustics at competitive prices. In summary, the D740X is the best choice for commercial and consumer needs.

20GB

40GB

60GB

80GB

Maxtor Developed Ultra ATA/133 Interface

The Maxtor-developed Ultra ATA/133 interface has a data transfer rate of 133 megabytes-per-second. With this leading-edge-interface, end users will experience blazing-fast data transfer rates of 133 MB/sec.

Maxtor "Quiet Drive Technology Plus"

Maxtor's Quiet Drive Technology Plus delivers world class acoustics, with Fluid Dynamic Bearing motors, available on all models. This innovation improves the overall sound quality, thus enhancing the user experience.

Delivering Reliability

Like previous generations, the DiamondMaxPlus D740X takes reliability and data integrity to an even higher level with Maxtor's Shock Protection and Data Protection Systems, which give the user enhanced protection against both operating and non-operating shock and verifies essential functions in seconds to eliminate costly and unnecessary drive returns. These systems deliver high reliability as shown by the D740X product line's annualized return rate (ARR) of less than 1.0%.



DiamondMax**Plus**
D740X

Model

BB Motor FDB Motor	6L020J1 6L020L1	6L040J2 6L040L2	6L060J3 6L060L3	6L080J4 6L080L4
Capacity	20GB	40GB	60GB	80GB
Heads	1	2	3	4
Platters	1	1	2	2

Performance Specifications

Seek Times (typical read, ms)	
Track to Track	0.8
Average (normal seek)	8.5
Full Stroke (normal seek)	17.8
Average Latency	4.2
Drive Ready Time (typical, sec)	15.0

Data Transfer Speed (MByte/sec, max)

To/From Interface	133
To/From Media	54.2
Sustained at OD	44.4
Sustained at ID	24.2

Drive Configuration

Integrated Controller	Ultra ATA/133
Buffer Size	2 MB
Buffer Type	SDRAM
Data Zones per Surface	15
Bytes per Sector/Block	512
Rotation Speed (RPM ± 0.1%)	7200

Reliability Specifications

Start/Stop Cycles (min)	> 50,000
Component Design Life (min)	5 years
Data Errors (non-recoverable)	< 1 per 10E14 bits read
Annualized Return Rate (ARR)	< 1.0%

S·M·A·R·T SYSTEM COMPLIANT

ULTRA ATA/133

FAST DRIVES ATA/133 Maxtor

Power Requirements (rms average)

Mode	12V (ma)	5V (ma)	Power (W)
Spin-up (peak)	1800	450	24.0
Seek	850	450	12.5
Read/Write	450	475	8.0
Idle	425	375	7.4
Standby	30	100	0.8

Environmental Limits

Acoustics[1] (sound power: bel)	BB	FDB
Idle mode	3.0 avg	2.7 avg
Normal seek mode	3.5 avg	3.2 avg

Temperature	
Operating	5° C to 55° C
Non-operating, Storage	-40° C to 65° C

Relative Humidity (non-condensing)	
Operating, Non-operating, Storage	5% to 95%
Maximum Wet Bulb, Operating	30° C

Vibration	
Operating, random, no errors[2]	10 to 300 Hz at 0.004 G2/Hz 301 to 500 Hz at 0.00005 G2/Hz

Shock	
Operating Mechanical Shock	30 Gs, 2 ms, no errors[2]
Non-operating Mechanical Shock	300 Gs, 2 ms, no damage[2]

Physical Dimensions

Height (max mm)	26.1 mm
Width (typical mm)	102.1 mm
Length (max mm)	147.0 mm
Weight (max kg)	0.580 kg

Specifications subject to change without notice. GB means 1 billion bytes. Total accessible capacity varies depending on operating environment. [1]Acoustics measured at sea level. [2]Without non-recoverable errors. *©2001 Maxtor Corporation. Maxtor, DiamondMaxPlus, MaxFax and No Quibble Service are registered trademarks of Maxtor Corporation.* *Printed in the USA. Maxtor Corporation, 500 McCarthy Boulevard, Milpitas, CA, 95035. 9/01 6238 Viper JC/Muller/50K-PDFupdate4/02*

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All Maxtor products are backed by the No Quibble Service® policy—the benchmark for service and support in the industry.

No Quibble Service includes:

- **Advance replacement in 2 business days**
- **MaxFax® 24-hour automated technical support**
- **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 9:30 a.m. to 6 p.m (CET) and Fri. 9:30 a.m. to 5 p.m. (CET).

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Maxtor®

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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