Maxtor®

DiamondMax® 20 Series
DiamondMax 20 and DiamondMax 21

ATA HARD DRIVE
40GB | 80GB | 160GB | 200GB | 250GB | 320GB

HIGHLIGHTS

- 3.5-inch 7200 RPM ATA hard drive
- Mainstream capacities up to 320GB
- Reliability, features and performance for Desktop PC computing

FEATURES

- Supports popular capacity points
- Ultra ATA data transfer speeds up to 100MB/s
- Engineered for robustness and reliability
- RoHS compliant

DESIGNED FOR

- Home desktop PCs
- Office and business PCs
- General, non-PC, ATA hard drive storage applications

Reliability, performance and leading mainstream features

DiamondMax 20 Series from Maxtor has been designed to provide reliability and value for home or office desktop PC users.

Capacities

The drive offers the most efficient support of desktop capacity points 40GB to 320GB.

Quiet Operation

The DiamondMax 20 Series disk drive design combines performance with low acoustics.

Delivering reliability

The robust design of the DiamondMax 20 Series drive has been engineered to deliver reliability and data integrity. The drives have been designed to protect against operating and non-operating shock.

Parallel ATA

Ultra ATA/100 interface

RoHS Compliant

Maxtor supports the EU directive for Restriction of Hazardous Substances (RoHS)[1]. DiamondMax 20 Series drives are RoHS compliant.

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

ORDER INFORMATION

	DiamondMax 20			DiamondMax 21		
Capacity	**40GB**	**80GB**	**160GB**	**200GB**	**250GB**	**320GB**
All products are RoHS Compliant 🌿						
Model ATA/100 2MB buffer	**60040K0**	**60080K0**	**60160K0**	—	—	—
Alternative model number	—	60080L0	—	—	—	—
Model ATA/100 8MB buffer	—	—	**60160V0**	**6A200V0**	**6A250V0**	**6A320V0**
Alternative model number	—	—	60160P0	—	—	—
Model ATA/100 16MB buffer	—	—	—	—	**6A250Y0**	**6A320Y0**
Alternative model number	—	—	—	—	6A250R0	—

Note: early shipments of some drive configurations may be described by the alternative model number

SPECIFICATIONS

Performance Specifications

Rotational Speed	7200 RPM
Buffer Size	
40GB to 160GB ATA/100	2MB
160GB ATA/100	2MB or 8MB
250GB to 320GB ATA/100	8MB or 16MB
External Data Transfer Rate (max)	
Parallel ATA (MB/s)	100
Typical Seek time (ms)	<12
Average latency (ms)	4.17

Reliability Specifications

Contact Start-Stops	500,000
Component Design Life (min)	5 years
Annualized Return Rate (ARR)	<1%
Warranty	3 years

Acoustics

	DiamondMax 20	DiamondMax 21
Idle-typical (Bels)		
Quiet Seek—typical (Bels)	2.5	3.2
Normal Seek—typical (Bels)	2.8	3.2

Environmental Limits

	DiamondMax 20	DiamondMax 21
Temperature		
Operating (°C)	0 to 60	0 to 60
Non-operating (°C)	-40 to 70	-40 to 70
Shock		
Operating Mechanical Shock 2ms (G)	65	65
Non-operating Mechanical Shock 2ms (G)	300	300

Power Consumption

	DiamondMax 20	DiamondMax 21
12V start up current, peak (A)	2.8	2.9
Seek (W)	12.4	12.6
Idle (W)	8.9	9.3
Standby Mode (typical W)	0.8	0.8

Physical Dimensions

	DiamondMax 20	DiamondMax 21
Height (mm max)	26.1	26.1
Width (mm max)	101.6	101.6
Length (mm max)	146.9	146.9
Weight nominal, g)	580	635

S·M·A·R·T SYSTEM COMPLIANT

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.

To speak with a Maxtor product support representative in the U.S. and Canada, call 1-800-2MAXTOR, Mon.-Fri. from 7 a.m. to 4 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).

In Australia, call +61 2 9369 3662. In Japan, call 005316-53616, and in Singapore, call 65-6852-0220 or 1-800-481-6788.

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