DiamondMax® 20 Series

DiamondMax 20 and DiamondMax 21

ATA HARD DRIVE

40GB | 80GB | 160GB | 200GB | 250GB | 320GB

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.

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**ORDER INFORMATION**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>DiamondMax 20</th>
<th>DiamondMax 21</th>
</tr>
</thead>
<tbody>
<tr>
<td>40GB</td>
<td>60040K0</td>
<td>—</td>
</tr>
<tr>
<td>80GB</td>
<td>60080K0</td>
<td>6A200V0</td>
</tr>
<tr>
<td>160GB</td>
<td>60160K0</td>
<td>6A250V0</td>
</tr>
<tr>
<td>200GB</td>
<td>—</td>
<td>6A320V0</td>
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<tr>
<td>250GB</td>
<td>—</td>
<td>6A250V0</td>
</tr>
<tr>
<td>320GB</td>
<td>—</td>
<td>6A320V0</td>
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</tbody>
</table>

All products are RoHS Compliant

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

**Acoustics**

- **Idle-typical (Bels)**:
  - Quiet Seek—typical (Bels): 2.5
  - Normal Seek—typical (Bels): 2.8

**Environmental Limits**

- **Temperature**:
  - Operating (°C): 0 to 60
  - Non-operating (°C): -40 to 70

- **Shock**:
  - Operating Mechanical Shock 2ms (G): 65
  - Non-operating Mechanical Shock 2ms (G): 300

**Power Consumption**

- **12V start up current, peak (A)**: 2.8
- **Seek (W)**: 12.4
- **Idle (W)**: 8.9
- **Standby Mode (typical W)**: 0.8

**Physical Dimensions**

- **Height (mm max)**: 26.1
- **Width (mm max)**: 101.6
- **Length (mm max)**: 146.9
- **Weight nominal, g**: 580

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 9389 3662. In Japan, call 005316-53616, and in Singapore, call 65-6852-0220 or 1-800-481-6788.

For purposes of measuring drive storage capacity, a gigabyte (GB) equals 1,000,000,000 bytes.

Total accessible capacity varies depending on operating and formatting. Seek times are at nominal conditions and include settling. Specifications subject to change without notice.

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