Cheetah 15K.3
35 Percent More I/Os per Second (IOPS) Than 10K Drives

73, 36 and 18 Gbytes • 15K RPM • Ultra320 SCSI, 2 Gbit/sec Fibre Channel

Key Advantages

- Economies of speed: Fewer drives are needed to deliver the same level of IOPS as 10K-RPM drives, leading to greater overall system reliability and savings on hardware, space, power, cooling, and IT administration costs, making this the lowest cost-per-I/O hard drive.
- Highest reliability rating in the industry: Backed by two previous generations of proven field reliability
- 35 percent more I/Os per second than 10K drives
- 29 percent faster minimum sustained transfer rate than 10K drives

Best-Fit Applications

- Broad range of mainstream Enterprise applications
- Workstations, mid-range and Enterprise servers
- NAS and SAN environments
**Cheetah® 15K.3**
35 Percent More I/Os per Second (IOPS) Than 10K Drives

The Seagate® 3D Defense System™—No One Does More to Protect Your Drives

**DRIVE DEFENSE**
- SeaShell™ packaging provides more than 1,000 Gs shock protection during handling, reducing returns up to 70 percent.

**DATA DEFENSE**
- Seagate Advanced Multidrive System™ (SAMS) reduces effects of rotational vibration generated by drives operating simultaneously.

**DIAGNOSTIC DEFENSE**
- SeaTools (available in Desktop or Enterprise editions)—this disc diagnostic utility prevents the expense and inconvenience of returning healthy drives.

**World-Class Technical Support**
- Certified, experienced support staff
- Rated “Above Average to Excellent” by 95 percent of our customers
- Support lines with the shortest wait times in the industry
- Individually archived case histories for quick reference
- Web-based Q&A forum and autoreply e-mail
- Seagate Design Service Centers (DSC) help companies transform innovative ideas into viable products.

www.seagate.com
1-800-732-4283 (1-800-SEAGATE)

### Specifications

<table>
<thead>
<tr>
<th>Capacity</th>
<th>73 GB¹</th>
<th>36 GB¹</th>
<th>18 GB¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>ST373453LC/LW/FC</td>
<td>ST336753LC/LW/FC</td>
<td>ST318453LC/LW/FC</td>
</tr>
<tr>
<td>Formatted 512 Kbytes/Sector (Bits)</td>
<td>73.4</td>
<td>36.7</td>
<td>18.4</td>
</tr>
<tr>
<td>Interface</td>
<td>Ultra 320 SCSI</td>
<td>Ultra 320 SCSI</td>
<td>Ultra 320 SCSI</td>
</tr>
<tr>
<td>External Transfer Rate (Mbytes/sec)</td>
<td>320</td>
<td>320</td>
<td>320</td>
</tr>
<tr>
<td>Interface</td>
<td>2 Gbit/sec FC</td>
<td>2 Gbit/sec FC</td>
<td>2 Gbit/sec FC</td>
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<tr>
<td>External Transfer Rate (Mbytes/sec)</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
</tbody>
</table>

**Performance**
- Spindle Speed (RPM) 15K 15K 15K
- Average Latency (msec) 2.0 2.0 2.0
- Seek Time
  - Average Read/Write (msec) 3.6/3.9 3.6/3.9 3.6/3.9
  - Track-to-Track Read/Write (msec) 0.2/0.4 0.2/0.4 0.2/0.4

**Transfer Rate**
- Internal (Mbits/sec) 609 to 891 609 to 891 609 to 891
- Internal Formatted (Mbytes/sec) 57 to 86 57 to 86 57 to 86
- Sustained (Mbytes/sec) 49 to 75 49 to 75 49 to 75

**Cache, Multisegmented (Mbytes)**
- 8

**Configuration/Organization**
- Discs
  - 4
  - 2
  - 1
- Heads
  - 8
  - 4
  - 2
- Nonrecoverable Read Errors per Bits Read
  - 1 sector per 10¹⁰
  - 1 sector per 10¹⁰
  - 1 sector per 10¹⁰
- MTBF (hours), AFR
  - 1,200,000, 0.73%
  - 1,200,000, 0.73%
  - 1,200,000, 0.73%

**Power Management**
- Typical Op (amps) +12V/+5V
  - 1.03/0.87
  - 1.03/0.87
  - 1.03/0.87
- Fibre Channel
  - 1.03/0.87
  - 1.03/0.87
  - 1.03/0.87
- Power Idle (watts)
  - SCSI
    - 12
    - 10
    - 9
  - Fibre Channel
    - 12
    - 10
    - 9

**Environmental**
- Temperature, Operating (°C)
  - 5 to 55
  - 5 to 55
  - 5 to 55
- Temperature, Nonoperating (°C)
  - -40 to 70
  - -40 to 70
  - -40 to 70
- Shock, Operating: 2 msec (Gs)
  - 60
  - 60
  - 60
- Shock, Nonoperating: 2 msec (Gs)
  - 250
  - 250
  - 250
- Acoustics Idle (bel—sound power)
  - 3.5
  - 3.2
  - 3.1
- Vibration, Operating: <400 Hz (Gs)
  - 0.5
  - 0.5
  - 0.5
- Vibration, Nonoperating: <400 Hz (Gs)
  - 2.0
  - 2.0
  - 2.0

**Physical**
- Height (in/mm)
  - 1.0/25.4
  - 1.0/25.4
  - 1.0/25.4
- Width (in/mm)
  - 4.0/101.6
  - 4.0/101.6
  - 4.0/101.6
- Depth (in/mm)
  - 5.75/146.6
  - 5.75/146.6
  - 5.75/146.6
- Weight (lb/kg)
  - 1.8/0.8
  - 1.8/0.8
  - 1.8/0.8

**Warranty**
- Limited Warranty (years)
  - 5
  - 5
  - 5

¹ 1 Mbyte = 1,000,000 bytes. For additional details, go to cheetah.seagate.com.