# Cheetah 15K.3

## 35 Percent More I/Os per Second (IOPS) Than 10K Drives

Lowest
Cost-per-Performance
Disc Drive

## 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

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

**DRIVE DEFENCE**

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

**DATA DEFENCE**

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

**DIAGNOSTIC DEFENCE**

- 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 Centres (DSC) help companies transform innovative ideas into viable products.

**www.seagate.com**
**00-800-6890-8282**

| Specifications | 73 GB[1] | 36 GB[1] | 18 GB[1] |
|---|---|---|---|
| Model Number | ST373453LC/LW/FC | ST336753LC/LW/FC | ST318453LC/LW/FC |
| **Capacity** | | | |
| Formatted 512 Kbytes/Sector (Gbytes) | 73.4 | 36.7 | 18.4 |
| Interface | Ultra 320 SCSI | Ultra 320 SCSI | Ultra 320 SCSI |
| External Transfer Rate (Mbytes/sec) | 320 | 320 | 320 |
| Interface | 2 Gbit/sec FC | 2 Gbit/sec FC | 2 Gbit/sec FC |
| External Transfer Rate (Mbytes/sec) | 200 | 200 | 200 |
| **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 | 8 | 8 |
| **Configuration/Organisation** | | | |
| Discs | 4 | 2 | 1 |
| Heads | 8 | 4 | 2 |
| Nonrecoverable Read Errors per Bits Read | 1 sector per $10^{15}$ | 1 sector per $10^{15}$ | 1 sector per $10^{15}$ |
| 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    SCSI | 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, Non-operating (°C) | -40 to 70 | -40 to 70 | -40 to 70 |
| Shock, Operating: 2 msec (Gs) | 60 | 60 | 60 |
| Shock, Non-operating: 2 msec (Gs) | 250 | 250 | 250 |
| Acoustics Idle (bels—sound power) | 3.5 | 3.2 | 3.1 |
| Vibration, Operating: <400 Hz (Gs) | 0.5 | 0.5 | 0.5 |
| Vibration, Non-operating: <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) | 1.9/0.8 | 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.