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 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	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/Organization			
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, 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 (bels—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)	1.9/0.8	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.