

## Product Overview

# CHEETAH 15K0.5

**Best price/performance, lowest cost  
of ownership disc drive**

**300, 146 and 73GB • 15K RPM • Ultra320 SCSI  
3 Gbit/sec SAS • 4 Gbit/sec FC**

### Key Features and Benefits

- Perpendicular recording is fundamentally superior, delivering 300GB capacity with 30 percent faster sequential performance and the highest reliability rating of any 3.5-inch drive in the industry.
- Enables higher performance with fewer drives, reducing supporting infrastructure, maintenance and space needs while boosting system reliability.
- 30 percent more IOPS and over 20 percent faster response times than 3.5-inch 10K drives; first drive to break 100-Mbyte sustained transfer rate barrier.
- Reduces RAID rebuild times while minimising reliability risk exposure; nonrecoverable error rate has been improved by a factor of 10.

### Best-Fit Applications

All mainstream enterprise applications, such as:

- E-mail
- Business processing
- Transaction processing
- Decision support
- Storage Area Networks (SAN)
- Networked Attached Storage (NAS)
- Internet and e-commerce



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## Product Description

The new Seagate® Cheetah 15K.5 enterprise disc drive employs innovative perpendicular recording technology to set new standards for storage cost-effectiveness. While doubling available capacity to 300GB, the Cheetah 15K.5 also delivers 30 percent higher sequential performance. This enables enterprises to meet their throughput and capacity requirements with fewer drives, significantly reducing total cost of ownership (TCO). Seagate designed the Cheetah 15K.5 for maximum reliability in demanding enterprise applications, including a non-recoverable error rate that has been improved by a factor of 10. Cheetah 15K.5 incorporates such Seagate-exclusive features as IRAW (Idle Read After Write), enhanced ECC (Error Correction Code) and BMS (Background Media Scan) to safeguard data integrity in the most rigorous environments.

## The Seagate Advantage

- Fifth-generation Cheetah 15K is the fastest, highest capacity and most reliable ever; delivers lower TCO for a wide variety of enterprise applications.
- Cheetah 15K.5 employs perpendicular recording technology to deliver 300GB capacity with 30 percent faster sequential performance.

- Non-recoverable error rate has been improved by a factor of 10, safeguarding data integrity and reducing risk exposure during RAID rebuilds.

## Enabling New Opportunities

- Cheetah 15K.5 drives employ perpendicular recording to enable systems with an unprecedented blend of storage performance, capacity and reliability.
- Cheetah 15K.5 drives offer lasting value, ensuring systems can keep up with growing performance and capacity needs over a longer period of time.
- Cheetah 15K drives have the highest field-proven reliability of any 3.5-inch drives in the world, and boost system reliability even further due to the need for fewer drives.

[www.seagate.com](http://www.seagate.com)

00-800-6890-8282

Specifications	
Capacity (GB)	300, 146, 73
Seek Time, Read/Write (average, msec)	3.5/4.0
Transfer Rate, Sustained (Mbytes/sec)	Up to 125
Reliability Rating at Full 24x7 Operation (AFR)	0.62%
Non-recoverable Read Errors per Bits Read	1 sector per 10 <sup>16</sup>
Power Consumption SCSI (W, idle)	12.5 (300GB), 9.6 (146GB), 8.1 (73GB)
Interface	Ultra320 SCSI, 3 Gbit/sec Serial Attached SCSI (SAS), 4 Gbit/sec Fibre Channel
Warranty (years)	5

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