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You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI ULTRASTAR 73LZX. You'll find the answers to all your questions on the HITACHI ULTRASTAR 73LZX in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HITACHI ULTRASTAR 73LZX
User guide HITACHI ULTRASTAR 73LZX
Operating instructions HITACHI ULTRASTAR 73LZX
Instructions for use HITACHI ULTRASTAR 73LZX
Instruction manual HITACHI ULTRASTAR 73LZX

High capacity and performance for demanding server environments



IBM Ultrastar 73LZX hard disk drive

Highlights

Rotational speeds of 10,000 RPM and average seek times as low as 4.9 ms help boost performance.

Capacities including 73, 36, 18, and 9 GB provide outstanding configuration flexibility.

A new suspension feature and Drive Fitness Test combine with load/unload technology and glass substrate disks to enhance reliability and robustness, and prolong drive lifetime.

Advanced drive technology

The fifth generation of the award-winning IBM Ultrastar 10,000 RPM disk drive family, IBM Ultrastar 73LZX drives offer proven quality and superior performance. These drives feature more powerful processors and read/write channels, a new feed-forward servo control that improves seek and settle time, and better suspension dynamics that enable greater servo bandwidth, faster speeds, and improved mechanical stability.

To achieve maximum I/O performance, the drives combine fast seek times, large 4 MB multisegmented buffers, a sophisticated command queuing system, hardware automation, and industry-leading sustained data rates. They also employ fifth-generation giant magnetoresistive (GMR) head technology to double areal density (up to 131 Gbit/sq. in.) and performance. In addition, highly efficient No-ID* sector formatting enables more data to be stored per disk.

Reliability leadership

Drive Fitness Test enables drive self-testing and analysis—helping to prevent returned drives. To help ensure data protection, IBM Ultrastar drives include IBM-exclusive reporting tools, such as Predictive Failure Analysis* (to signal potential drive problems) and Drive-TIP* (to monitor drives and avoid malfunctions).

Load/unload technology and glass substrate disks also increase reliability by providing a more robust solution at high rotational speeds.

Outstanding environmental

IBM Ultrastar drives provide extremely quiet operation. In addition, tri-laminate drive covers reduce both idle and seek acoustics while an improved spindle motor driver enables smoother commutation. Moreover, a new electronic design enables 20 percent lower power requirements than previous IBM 10,000 RPM drives to help reduce costs.

Support for advanced applications and interfaces

IBM Ultrastar drives provide high data throughput for data-intensive applications and offer a choice of 1 and 2 Gbit Fibre Channel and Ultra160 SCSI (backward-compatible) interfaces.



IBM Ultrastar 73LZX 3.5-inch 73.4 GB high-performance disk drive



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Manual abstract:

A new suspension feature and Drive Fitness Test combine with load/unload technology and glass substrate disks to enhance reliability and robustness, and prolong drive lifetime. Advanced drive technology The fifth generation of the award-winning IBM Ultrastar* 10,000 RPM disk drive family, IBM Ultrastar 73LZX drives offer proven quality and superior performance. These drives feature more powerful processors and read/write channels, a new feed-forward servo control that improves seek and settle time, and better suspension dynamics that enable greater servo bandwidth, faster speeds, and improved mechanical stability. To achieve maximum I/O performance, the drives combine fast seek times, large 4 MB multisegmented buffers, a sophisticated command queuing system, hardware automation, and industry-leading sustained data rates. They also employ fifth-generation giant magnetoresistive (GMR) head technology to double areal density (up to 13.1 Gbits/sq. in.) and performance. @@@@in. 1 480,000 BPI 27,312 TPI 4096 KB1

10,000 RPM 3.

00 ms 373-690 Mbits/sec 160 MB/sec 29.2-57 MB/sec .0 4.9 ms 0.5 ms 10.

5 ms 1 in 10E14 bits read 50,000 cycles FC-AL-2 512-528 (8-byte inc.) 200/400 MB/sec Error rate (nonrecoverable) Start/stop cycles 1.3 A (5V), 2.4 A (12 V) 11.5/9.

4/8.7/8.7 W 0.00016, 0.00026, 0.00048, 0.00096 W/MB Nonoperating -40° to 65° C 5% to 95% 35.0° C 75 G (11 ms) / 225 G (2 ms) 73 G; 300 G (2 ms) 36, 18, 9 GB 1.04 G FC-AL-2 IC35L009F2D210, IC35L018F2D210, IC35L036F2D210, IC35L073XF2D210 Upper 512 KB used for firmware. factors.

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