CHEETAH 73LP

HIGH-PERFORMANCE, HIGH-CAPACITY LOW-PROFILE DRIVES. THE FASTEST 10K RPM CHEETAHS EVER.

ULTRA160 SCSI & 2 GBIT/SEC FIBRE CHANNEL

10K RPM

The Cheetah® 73LP family was designed for the demanding requirements of e-commerce, departmental servers and A/V applications.
When performance, reliability and high-storage capacities are critically important, the new Cheetahs deliver.

- Formatted capacity of 73.4 Gbytes and 36.7 Gbytes
- Ultra160 SCSI or 2-Gbit-per-second Fibre Channel interface options
- Excellent Performance:
  - Average seek time as fast as 5.1 msec
  - Formatted data-transfer rates up to 63.9 Mbytes per second— 59 percent faster than previous generations
- Seagate's G-Force protection system and SeaShell™ for more than 1,000 Gs nonoperating shock protection.

Seagate

Cheetah™

- 59 percent improved data-transfer rates.
- 18-Gbit-per-square-inch areal density
- Reduced power requirments. Only 10.2 watts (SCSI)
- Ultra160 SCSI or 2-Gbit-per-second Fibre Channel options.
- Sound barrier technology ensures whisper-quiet acoustics of 3.6 bels.
- Full 5-year warranty.

CHEETAH 73LP	73.4 GB[1]	36.7 GB[1]	KEY ADVANTAGES
Model Number	ST373405LC/LCV*		LVD, Single Connector SCSI / with 16-Mbyte V-code cache option
	ST373405LW		LVD, Wide SCSI / with 16-Mbyte V-code cache option
	ST373405FC	ST336605FC	200 Mbyte-per-second Fibre Channel / with 16-Mbyte V-code cache option
INTERFACE			
Interface/External Transfer Rate (Mbytes/sec)	Ultra160 SCSI/160		
Interface/External Transfer Rate (Mbytes/sec)	2Gb/s FC/200	2Gb/s FC/200	**Fast** 200 Mbytes per second data rate.
PERFORMANCE			
Spindle Speed (RPM)	10K	10K	
Latency, average (msec)	2.99	2.99	
Seek Time			
Average read/write (msec)	5.1/5.5	4.7/5.2	
Track-to-Track read/write (msec)	0.4/0.6	0.4/0.6	
Transfer Rate			Industry-leading areal density provides fastest data-transfer rates
Internal (Mbits/sec)	399 to 671	399 to 671	for the most demanding applications
Internal Formatted (Mbytes/sec)	38.4 to 63.9	38.4 to 63.9	
			16-Mbyte V-code cache special order option is designed for high speed sequential
Cache Multisegmented (Mbytes)	4	4	and data-streaming video, prepress and imaging applications.
CONFIGURATION/ORGANIZATION			
Discs/Heads	4/8	2/4	
Sectors per drive, 512 bytes/sector	143,374,740	71,687,370	
Cylinders	29,549	29,549	
Recording Method PRML	EPR4	EPR4	
RELIABILITY/DATA INTEGRITY			
Error Rate			
Recoverable, per bits read	10 per 10^{12}	10 per 10^{12}	**Best** reliability rating in the industry
Nonrecoverable sectors, per bits read	1 per 10^{15}	1 per 10^{15}	
Seek Errors, per seek	10 per 10^8	10 per 10^8	
ENVIRONMENTAL			
Acoustics, Idle (bels)	3.6	3.6	
Temperature: Operating/Nonoperating (ºC)	5 to 55/–40 to 70	5 to 55/–40 to 70	**Temperature Sensor** warns when the drive exceeds heat specifications.
Shock: Operating 11 msec/Nonoperating 2 msec (Gs)	10/225	10/225	**SeaShell** provides more than 1,000 Gs nonoperating shock.
Vibration: Operating/Nonoperating 22–400 Hz (Gs)	0.5/2.0	0.5/2.0	**G-Force Protection** increases drive ruggedness.
POWER REQUIREMENTS			
+12/+5 VDC ± 5% (amps)	0.91/0.82	0.81/0.88	
Power, Idle SCSI, FC (watts)	10.2/11.3	11.3	
PHYSICAL			
Height (in/mm)	1.0/25.4	1.0/25.4	
Width (in/mm)	4.0/101.6	4.0/101.6	
Depth (in/mm)	5.75/146.05	5.75/146.05	
Weight (lb/kg)	1.3/0.589	1.3/0.589	

1. Capacity calculated as 1 Gbyte = 10^9 bytes, based on 512 bytes/sector *LCV with 16 Mbyte cache special order only.

3D DEFENSE SYSTEM

Designed for Microsoft® Windows® 95

Designed for Microsoft® Windows NT® Windows® 98

Designed for Microsoft® Windows® 2000 Professional

SCSI

Ultra160 SCSI

ASA II

yes NetWare Tested and Approved

S·M·A·R·T SYSTEM COMPLIANT

Seagate's 3D Defense System™—No One Does More to Protect Your Drives

Drive Defense

- **G-Force** protection reduces susceptibility to shock.
- **SeaShell** packaging reduces handling damage tenfold and returns by 70 percent.

Data Defense

- **Seagate's Advanced Multidrive System (SAMS)** reduces effects of rotational vibration generated by drives operating simultaneously.
- **Temperature Sensor** warns the host if heat exceeds configured limits.

Diagnostic Defense

- **SeaTools** software utility determines a drive's health and efficiency.
- **Web-Based Tools** help to solve common nondisc-related problems.

World-Class Technical Support

- Certified, experienced support staff
- Rated "Above Average to Excellent" by 95 percent of our customers
- Toll-free support with the industry's shortest queues
- Individually archived case histories for quick reference
- Web-based Q&A forum and autoreply e-mail

www.seagate.com ▪ **1-800-732-4283; 1-800-SEAGATE**

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