LD25 Series

2.5-inch, low-profile disc drives

2.5-Inch HDD Designed for the New Breed of Low-Profile PCs, Videogame Consoles and CE Devices

20 and 40 Gbytes • 2.5 Inch • Low Profile • Low Power • SATA, PATA

Key Advantages

- 20- and 40-Gbyte capacities in a small 2.5-inch form factor provide economical and reliable storage for smaller computing and consumer electronics systems.
- Whisper-quiet operation delivers pure enjoyment of digital media.
- Power consumption performance is ideal for low-power systems and add-on storage device requirements.

Best Fit Applications

- Stationary videogame consoles
- Digital Video Recorders (DVR)
- Low-profile computing devices

Seagate
We turn on ideas

LD25 Series
Small, economical and silent storage options for stationary consumer systems.

Uniquely designed for stationary appliances or low-profile computing platforms

- Provides 2.5-inch storage options without the cost burden of drives designed for notebook PCs or other mobile applications
- Low-profile form factor delivers up to 40 Gbytes of storage while enabling innovative industrial designs suited for stylish consumer electronic systems.
- Quiet operation and low power consumption help enable reliable, distraction-free delivery of multimedia content.

Seagate Design Service Centers

- Expertise in helping consumer electronics (CE) companies and manufacturers overcome technical issues
- Speeds your time to market by solving CE design issues quickly and efficiently
- Improves your product's reliability and performance
- Field engineering and business support teams are available in person, worldwide
- Advanced application design advice available through our design centers in USA and Singapore

World-Class Technical Support

- Certified, experienced support staff
- Rated "Above Average to Excellent"
- Support lines with shortest wait times
- Individually archived case histories
- Web-based Q&A forum and autoreply e-mail

www.seagate.com
1-800-732-4283 (1-800-SEAGATE)

Specifications	40 GB[1]	20 GB[1]
Model Number	ST9402115AS ST9402115A	ST920217AS ST920217A
Interface Options	SATA/150 Ultra ATA/100	SATA/150 Ultra ATA/100
Performance		
Spindle Speed (RPM)	5400	5400
Average Latency (msec)	5.6	5.6
Seek Time		
Average Read/Write (msec)	<16	<16
Transfer Rate		
Maximum Internal (Mbytes/sec)	57.6	57.6
Maximum Sustained (Mbytes/sec)	150/100	150/100
Cache, Multisegmented (Mbytes)	2	2
Configuration/Organization		
Bytes per Sector	512	512
Reliability/Data integrity		
Nonrecoverable Read Errors per Bits Read	1 sector per 10^{14}	1 sector per 10^{14}
Power Management		
Startup current (5V, typical Amps)	1	1
Seek (typical, watts)	2.9	2.9
Idle Average (watts)	2.5	2.5
Standby Average (watts)	<1.5	<1.5
Environmental		
Temperature, Operating (°C)	5 to 55	5 to 55
Temperature, Nonoperating (°C)	−40 to 70	−40 to 70
Shock, Operating: 2 msec (Gs)	100	100
Shock, Nonoperating: 1 msec (Gs)	500	500
Acoustics Idle (bels—sound power)	2.4	2.4
Rotational Vibration (Rad/sec, Gs)	.5	.5
Physical		
Height (mm)	9.5	5.0 +/−0.1
Width (mm)	69.85	69.85
Depth (mm)	100.51	100.51
Weight (g)	100	100

[1] One gigabyte, or GB, equals one billion bytes when referring to hard drive capacity.