



500 Gbyte, 7200 rpm Disk Drive Specifications - SATA Interface

Disk Drive Installation

For information on how to install your disk drive, refer to your system or drive enclosure documentation.

See “Sun Documentation on the Web” on the back page if you need to order any documentation.

Drive Specifications

The following tables show the disk drive specifications.

Power Requirements

Activity	+5 VDC (± 5%)	+12 VDC (± 7%)
Motor start max	1.20 A	2.0 A
Typical Operating (Random IOs)	0.67 A	0.85 A
Idle	0.47 A	0.6 A

Physical Characteristics

Height	Width	Depth	Weight
1.028 in ± 0.01	4.0 in ± 0.010	5.748 in ± 0.023	1.54 lb
25.4 mm ± 0.4	101.6 mm ± 0.4	146.0 mm ± 0.6	0.70 kg

Performance

Attributes	Values
Capacity, formatted	500,107,862,000 bytes minimum (512 bytes per sector)
Seek times (read/write)	
Single track seek	0.8 msec / 1.3 msec
Average seek	8.2 msec / 9.2 msec
Maximum seek	14.7 msec/ 15.7 msec
Rotational latency	
Maximum	8.34 msec (7.2 Krpm)
Average	4.17 msec
HDA data transfer rate	
Disk to read buffer	817 Mbits per sec maximum
Interface data transfer rate	
Maximum instantaneous	1.5 Gbytes per sec
Start/stop	
Power up to ready	20 sec typical, 31 sec maximum
Spin down	30 sec maximum

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