



400 Gbyte, 7200 rpm, Serial ATA Interface Disk Drive Specification

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.

The Disk Drive Bracket Assembly consists of the disk drive and an Adaptor card assembled within the bracket assembly.

The Adaptor card is matched to the Disk Drive at the factory and function as one unit.

The Disk Drive Bracket Assembly should not be disassembled for any reason by the user.

Power Requirements

Activity	+5 VDC ($\pm 5\%$)	+12 VDC ($\pm 7\%$)
Motor start	1.2 A	2.0 A
Max Operating (Random IOs)	1.6 A	2.1 A
Idle	0.5 A	0.6 A

Physical Characteristics

Height	Width	Depth	Weight
1.0 in	4 in	5.75 in	1.54 lb
25.4 mm	101.6 mm	146 mm	0.700 kg

Performance

Attribute	Value
Capacity, formatted	400,088,000,000 bytes minimum (512 bytes per sector)
Seek times (read/write)	
Single track seek	0.8 msec / 1.3 msec
Average seek	8.2 msec / 9.2msec
Maximum seek	14.7 msec / 15.7 msec
Rotational latency	
Average	4.17 msec (7200 RPM)
HDA data transfer rate	
Disk to read buffer	379 Mbits per sec to 757 Mbits per sec
Interface data transfer rate	
Maximum instantaneous	150 Mbytes per sec (1.5 Gigabit Mode)
Start/stop	
Power up to ready	30 sec typical
Spin down	31 sec typical

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