



# 1.0 Tbyte, 7,200 rpm, 3.5” Disk Drive Specification SATA Interface

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## **Disk Drive Installation**

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

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

The Disk Drive Bracket Assembly consists of the disk drive assembled within the bracket assembly.

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 max	1.20 A	2.0 A
Typical Operating (Random IOs)	0.68 A	0.85 A
Idle	0.5 A	0.54 A

## Physical Characteristics

Height	Width	Depth	Weight
1.028 in	4.000 in $\pm .010$	5.787 in	1.466 lb
26.1 mm	101.6 mm	146.99 mm	0.665 kg

# Performance

Attribute	Value
Capacity, formatted	1,000,204,886,016 bytes minimum (512 bytes per sector)
Seek times (read/write)	
Single track seek	0.8 msec / 1.0msec
Average seek	8.5 msec / 9.5 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	1,287 Mbits per sec maximum
Interface data transfer rate	
Maximum instantaneous	1.5/3.0 Gb per sec
Start/stop	
Power up to ready	15 sec typical, 31 sec maximum
Spin down	10 sec maximum

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