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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 "Sun Documentation on the Web" on the back page if you need to order any documentation.

## Drive Specifications

### Power Requirements

Activity	+5 VDC ( $\pm 5\%$ )	+12 VDC ( $\pm 7\%$ )
Motor start	0.94A	2.50A
Seeking - peak (<2 msec)	0.85A	1.45A
Seeking average maximum (33%)	0.80A	1.02A
Continuous write / read	1.1A	1.0 A
Idle	0.71A	0.57A

### Physical Characteristics

Height	Width	Depth	Weight
1.0 in	4 in	5.75 in	1.54 lb
25.4 mm	101.6 mm	146.1 mm	0.70 kg

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## Performance

Attribute	Specification
Capacity, formatted	18,113,808,384 bytes (512 bytes per sector)
Seek times (read/write)	
Single track seek	0.8 msec / 1.0 msec
Average seek	7.5 msec / 8.5 msec
Maximum seek	16 msec / 17 msec
Rotational latency	
Average	2.99 msec (10K rpm)
HDA data transfer rate	
Disk to read buffer	22.7 Mbytes per sec (minimum)
Interface transfer rate	narrow / wide / ultra
Synchronous	10 to 40 Mbytes per sec
Asynchronous	5 to 20 Mbytes per sec
Start/stop	
Power up to ready	30 sec typical, 60 sec maximum
Spin down	30 sec typical

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## Sun Documentation on the Web

This and other Sun disk drive specifications can be found at:

[http://www.sun.com/products-n-solutions/hardware/docs/Network\\_Storage\\_Solutions/Drives/index.html](http://www.sun.com/products-n-solutions/hardware/docs/Network_Storage_Solutions/Drives/index.html)

You can also view, print, and purchase a broad selection of Sun documentation, including localized versions, at:

<http://www.sun.com/documentation>

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# 18 Gbyte 10K rpm Disk Drive Specifications

*SCA SCSI Interface*

