
3.0 Tbyte, 3.5-inch, 7200 rpm, Disk Drive Specification

6 Gb SAS-2 Interface

Disk Drive Installation

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

See "[Product Documentation](#)" 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 ($\pm 5\%$)
Motor start (Surge Current, 20 sec)	0.6 A	1.7 A
Max I/O Conditions (Amp. rms)	1.0 A	0.8 A

Physical Characteristics¹

Height (max)	Width	Depth	Weight
1.028 in. max	3.750 in. +/-0.010	5.787 in. max	1.543 lb
26.10 mm max	101.6 mm +/-0.25	147.00 mm max	700 g

Usage Information

Usage	Description
Useful Life	Minimum 5 years
Expected AFR (Annualized Failure Rate)	0.73% for normal, 24x7 operating conditions
Normal Drive Temperatures	5°C to 45°C Derating of AFR applies above 45°C
Maximum Temperature	60°C maximum sustained temperature. Drive may be rendered unusable above 65°C
Other Environmental Factors	Conforms to IEC standards

1. Drive only, excluding bracket

Performance

Attribute	Value
Capacity, formatted	3000,592,982,016 bytes minimum (512 bytes per sector)
Rotational latency	
Average	4.16 msec (7,200 RPM)
Seek times (read/write)	(Typical)
Single track seek	0.5 msec read / 0.5 msec write
Average seek	8.3 msec read / 9.3 msec write
Maximum seek	15.5 msec read / 16.2 msec write
Random 2KB reads per sec	(Typical)
Queue=1, 100% Volume	82 IOPs
Queue=32, 100% Volume	175 IOPs
HDA data transfer rate	(Typical)
Sustained Sequential Read	75 MB/sec (at ID) to 152 MB/sec (at OD)
Interface data transfer rate	6Gb/3Gb/1.5Gb per sec. auto negotiation Dual Port, Full Duplex
Start/stop	(Typical)
Power up to ready	30 sec
Spin down	20 sec

Product Documentation

You can view, print, or purchase a broad selection of documentation, including localized versions, at:
<http://www.oracle.com/technetwork/indexes/documentation/index.html>

Technical Support

If you have technical questions about this product that are not answered in this document, go to:
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