

1200 Gbyte, 2.5-inch, 10,000 rpm

Disk Drive Specification, 6Gb/3Gb/1.5Gb SAS-2 Interface

Disk Drive Installation

For information on how to install your disk drive, refer to your system or drive enclosure documentation. See ["Related Documentation"](#) on the back page if you need to order any documentation. The Disk Drive Bracket Assembly should not be disassembled for any reason by the user.

Power Requirements

Activity	+5 VDC (±5%)	+12 VDC (±5%)
Motor start (Surge Current, 20 seconds)	0.800 A	0.9 A
Max I/O Conditions (Amp. rms)	0.800 A	1.23 A

Physical Characteristics¹

Height (max)	Width	Depth	Weight
0.59 in.	2.76 in.	3.95 in.	0.480 lb
14.8 +/- 0.2 mm	70 +/- 0.1 mm	100.3 +/- 0.15 mm	0.218 kg

1. Drive only, excluding bracket

Usage Information

Usage	Description
Useful Life	Minimum 5 years
Expected AFR (Annualized Failure Rate)	0.44% for normal 24x7 operating conditions
Normal Drive Temperatures	5 degrees Celsius to 45 degrees Celsius De-rating of AFR applies above 45 degrees Celsius
Maximum Temperature	60 degrees Celsius maximum temperature Drive may be rendered unusable above 65 degrees Celsius
Other Environmental Factors	Conforms to IEC standards

Performance

Attribute	Value
Capacity, formatted	1,200,243,695,616 bytes minimum (512 bytes per sector)
Rotational latency	
Average	2.99 msec (10,000 RPM)
Seek times (read/write)	(Typical)
Single track seek	0.4 msec
Average seek	5.0 msec
Maximum seek	12.9 msec
Random 2KB reads per second	(Typical)
Queue=1, 100% Volume	125 IOPs
Queue=32, 100% Volume	310 IOPs
HDA data transfer rate	(Typical)
Sustained Sequential Read	110 MB/sec (at ID) to 180 MB/sec (at OD)
Interface data transfer rate	6Gb/3Gb/1.5Gb per second auto negotiation, dual port, full duplex
Start/stop	(Typical)
Power up to ready	15 seconds
Spin down	20 seconds

Related Documentation

Documentation for this product is available at:

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

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