
900 GByte, 2.5-inch, 10,000 rpm, 6 Gb SAS-2 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 "[Related 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 (5%)	12 VDC (5%)
Motor start (Surge Current, 20sec)	0.60 A	1.65 A
Max I/O Conditions (Amp. rms)	0.80 A	1.20 A

Physical Characteristics (Drive only, excluding bracket)

Height (max)	Width (max)	Depth (max)	Weight
0.59 in.	2.760 in.	3.950 in.	0.530 lb
15.0 mm	70.10 mm	100.45 mm	0.241 kg

Usage Information

Useful Life	Minimum five years
Expected AFR (Annualized Failure Rate)	0.44% for normal, 24x7 operating conditions
Normal Drive Temperatures	5 degC to 45 degC. Derating of AFR Applies above 45 degC
Maximum Temperature	60degC maximum sustained temperature. Drive may be rendered unusable above 65degC
Other Environmental Factors	Conforms to IEC Standards

Performance

Attribute	Value
Capacity, formatted	900,185,481,216 bytes minimum (512 bytes per sector)
Rotational latency	
Average	3.0 msec (10,000 RPM)
Seek times (read/write) (Typical)	
Single track seek	0.4 msec
Average seek	4.4 msec
Maximum seek	5.0 msec
Random 2KB Reads Per Sec (Typical)	
Queue=1, 100% Volume	135 IOPs
Queue=32, 100% Volume	325 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 sec auto negotiation Dual Port, Full Duplex
Maximum instantaneous	638 Mbytes per sec (6Gb mode)
Start/stop	
Power up to ready	25 sec typical
Spin down	30 sec typical

Related Documentation

Documentation for this product is available at:

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

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