

# 600 Gbyte, 2.5-inch, 10,000 rpm Disk Drive Specification

6Gb 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](#)" 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 ( $\pm 5\%$ )
Motor start (Surge Current, 20sec)	0.89 A	1.55 A
Max I/O Conditions (Amp. rms)	0.98 A	0.47 A

# Physical Characteristics<sup>1</sup>

Height (max)	Width	Depth	Weight
0.58 in	2.76 in	3.95 in	0.45 lb
14.8 +/- 0.2 mm	70 +/- 0.1 mm	100.3 +/- 0.15 mm	0.204 kg

# 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 degC to 45 degC Derating of AFR applies above 45 degC
Maximum Temperature	60 degC maximum sustained temperature. Drive may be rendered unusable above 65degC
Other Environmental Factors	Conforms to IEC standards

1. Drive only, excluding bracket

---

# Performance

Attribute	Value
Capacity, formatted	600,127,266,816 bytes minimum (512 bytes per sector)
Rotational latency	
Average	2.99 msec (10,000 RPM)
Seek times (read/write)	(Typical)
Single track seek	0.3 msec read / 0.4 msec write
Average seek	3.7 msec read / 4.2 msec write
Maximum seek	4.4 msec read / 5.0 msec write
Random 2KB reads per sec	(Typical)
Queue=1, 100% Volume	142 IOPs
Queue=32, 100% Volume	333 IOPs
HDA data transfer rate	(Typical)
Sustained Sequential Read	99 MB/sec (at ID) to 160 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	30 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:

<https://support.oracle.com>

Copyright © 2011, Oracle and/or its affiliates. All rights reserved.

Copyright © 2011, Oracle et/ou ses affiliés. Tous droits réservés.



Part No.: 821-0744-10  
April 2011