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Apple 1000MB Hard Drive: Specifications (3/93)

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TOPIC --

What are the technical specifications of the internal 1000MB (1GB) hard disk
drive for the Macintosh?

DISCUSSION ---

Capacity

Formatted Data Capacity: 1000MB
Data Surfaces: 16
Heads: 16
Block Size: 512 bytes

Performance

Average Seek Time: 12 ms NOC (Nominal Operating Conditions)
                              15 ms WOC (Worst Operating Conditions)
Data Transfer Rate: Up to 10.0 MB/sec (Asynchronous)
                     Up to 5.0 MB/sec (Synchronous)
Startup: <20 sec WOC
Spindown: <30 sec WOC

Must operate equally well in any orientation

Physical

Form Factor: 3.5 inch
Weight: 2.3 lb
Dimensions: 150 x 102 x 42 mm

50 Pin SCSI Connector

Environmental

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Temperature
- Operating                    5 degrees C to 55 degrees C
- Non-operating               -40 degrees C to 65 degrees C


Relative Humidity:             10 to 90%, operating, non-condensing
                                5 to 95%. non-operating, non-condensing


Altitude
- Operating                    0 feet to 10,000 ft
- Non-operating                0 feet to 10,000 ft


Vibration peak levels:
- Operating                   1.0 g  5 to 300 Hz, with no errors
- Non-operating               2.0 g  5 to 500 Hz, with no damage allowed


Shock levels
- Operating                    10 g  with no errors
- Non-operating                60 g & 60 ips



Power   Requirements
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Voltage                        5V DC with tolerance of +/-5%
                              12V DC with tolerance of +10%/-8&


Power Draw:
- Startup              18.0 watts (avg.)
- Idle                 11.0 watts (avg.)
- Access               13.0 watts (avg.) during combination duty cycle of
                                       40% W/R, 40% seek, 20% standby.


- Peak current         <1.1 amps on 5V, <2.5 amps on 12V



Termination power is provided through pin 26 of the 50 pin SCSI
connector.
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Article Change History:
22 July 1993 - Revised for technical accuracy
19 March 1993 - Updated to include additional specifications
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