



Tech Info Library

Apple 350MB/700MB Internal Hard Drive: Specifications (2/95)

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TOPIC -----

What are the technical specifications of the internal 350MB & 700MB hard disk drives for the Macintosh?

DISCUSSION -----

Capacity

Formatted Data Capacity:	350MB	700MB
Data Surfaces:	*	*
Heads:	*	*
Block Size:	512 bytes	512 bytes
No. of Blocks	713,472 min	1,427,328 min

* Note: The number of data surfaces and heads is specific to each vendor and changes.

Performance

Average Seek Time:	12 ms NOC (Nominal Operating Conditions)
Data Transfer Rate:	Up to 10.0 MB/sec (synchronous) Up to 5.0 MB/sec (Asynchronous)
Startup:	<10 sec
Rotational Speed:	>4500rpm

Physical

Form Factor:	3.5 inch
Weight:	1.4lbs (540gms)
Dimensions:	146 X 101.6 X 25.4mm

50 Pin SCSI-2 Connector (Single ended)

Environmental

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% RH 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 22 to 300 Hz, with no errors
- Non-operating 2.0 g 22 to 500 Hz, with no damage allowed

Shock levels

- Operating 10 g & 20 g with no errors
- Non-operating 70 g & 60 ips

Power Requirements

Voltage

- 5V DC with tolerance of +/-5%
- 12V DC with tolerance of +10%/-8%

Power Draw:

- Startup 10.0 watts (avg.) RMS over 1st 8 seconds
- Idle 5.0 watts (avg.)
- Access 8.0 watts (avg.) during combination duty cycle
40% W/R, 40% seek, 20% standby.

Must operate equally well in any orientation

Termination power is provided through pin 26 of the 50 pin SCSI connector.

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