



Tech Info Library

Macintosh 800K External Disk Drive: Specs (Discontinued)

Revised: 9/24/93
Security: Everyone

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I. Technical Specifications

A. Recording Media:

1. Disk diameter: 3.5 inches
 - Hard shell
2. Recording surfaces: 1 or 2
 - Finder can initialize a disk as a 400K MFS single-sided disk or an 800K HFS double-sided disk.
3. Tracks per surface: 80

B. Capacities with double-sided disk:

1. Formatted data: 800 kilobytes
2. Unformatted data: 1,246 kilobytes

C. Driver Characteristics:

1. Access Time:
 - a. Seek time (track to track): 6 milliseconds maximum
 - b. Settle time: 30 milliseconds maximum
 - c. Drive-motor start time: 600 milliseconds maximum
2. Transfer Rate: 500 Kilobits
3. Eject time: 2 seconds maximum

D. Power Consumption:

1. +12 volts
 - a. Standby: 10 microamps
 - b. Typical: 120 milliamps
 - c. Peak: 600 milliamps
2. +5 volts
 - a. Standby: 170 milliamps
 - b. Typical: 360 milliamps

E. Head Position Tolerance: Plus or minus 0.035 mm

F. Environmental Requirements:

1. Temperature:

	Degrees	
	Fahrenheit	Celsius
a. Operating:	40 to 120	5 to 50
b. Nonoperating:	-40 to 140	-40 to 60

2. Humidity: 5% to 90%
 - a. Maximum wet bulb temperature: 85 F, 29 C
 - b. No condensation

G. Physical Dimensions:

	inches	millimeters
1. Length:	7.87	200
2. Width:	4.72	120
3. Height:	1.91	48.5
	pounds	kilograms
4. Weight:	2.84	1.29

II. System Configuration:

A. External disk port on:

1. Macintosh (see item C below)
 - a. Macintosh 512K
 - b. Macintosh 512K extended
2. Macintosh Plus
3. Personal Hard Disk 20

B. Software:

1. System File: 3.0 or greater
2. Finder: 5.0 or greater

C. NOTE: The limited memory is a 128K Macintosh will not support an 800K external drive.

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