



Tech Info Library

Macintosh 400K Disk Drive: Specifications (Discontinued)

Revised: 9/24/93
Security: Everyone

Macintosh 400K Disk Drive: Specifications (Discontinued)

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I. Capacity

- A. Unformatted disk space 437.5 K bytes
- B. Formatted disk space 409.6 K bytes
- C. Burst TRANSFER RATE 489.6 K bits per second

II. Access time

milliseconds

- A. Track to track 15
- B. Average* 415
- C. Settling time 15
- D. Head load time 60
- E. Average latency 50

* Average access time = 1/3 x (Track Nos.)x(Track to track)+(Settling Time)

III. Functional

- A. Rotational speed(s) 394, 429, 472, 525, 590 RPM
- B. Recording density (inside track) 7610 BPI
- C. Track density 135 TPI
- D. Cylinders 80
- E. Tracks 80
- F. R/W heads 1
- G. Encoding method APPLE GCR
- H. Component life 5 years
- I. Media life over 3 million passes track
- H. Diskette Interchange 20,000 times minimum
- J. Soft Read Error 1 per billion bits read
- K. Hard Read Error 1 per trillion bits read
- L. Seek Error 1 per billion seeks

IV. Heat Dissipation

A. Operating mode (head load)	7.5 W
B. Standby mode	3.3 W

V. Physical Dimensions

	inches	millimeters
A. Height	2.0	51
B. Width	4.0	102
C. Depth	5.1	130

	pounds	grams
D. Weight	1.5	65

VI. Power requirements

A. +12 Volts DC +/-5%	0.1V p-p	Max Ripple 0.1 V (max)
B. +5 Volts DC +/-5%	0.05V p-p	Max Ripple 0.1 V (max)

VII. Environmental limits (Operating)

	degrees Fahrenheit	Celsius
A. Temperature	40-140	5-45
B. Humidity	20% to 80% relative humidity (no condensation)	

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