



Tech Info Library

Hard Disk 20: Specification (Discontinued)

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I. Technical Specifications

A. Storage Characteristics

1. Data Capacity: 20,769,280 Bytes (formatted)
2. Data Surfaces: 4
3. Heads per surface: 1
4. Blocks
 - a. Total: 39,040
 - b. Size: 532 bytes
 1. 512 bytes user data
 2. 20 bytes system data
5. Tracks
 - a. Per surface: 305
 - b. Spacing: 600 tracks per inch
6. Sectors
 - a. Per Track: 32
 - b. Per Surface: 9760

B. Drive Characteristics:

1. Average seek time: 85 milliseconds
2. Head-to-disk transfer rate: 7.5 million bits per second
3. Rotational speed: 2744 RPM
4. Drive startup time: 15 seconds
5. Drive spin-down time: 25 seconds
6. Stepper motor

C. Power Requirements:

1. Line voltage: 85 to 270 volts AC, RMS
2. Frequency: 47 to 64 Hz
3. Power: 30 watts
4. Amp requirements (maximum power utilization): 0.25 amps

D. Environmental Characteristics:

1. Temperature:

	Degrees	
	Fahrenheit	Celsius

- | | | |
|---------------|-------------|-----------|
| a. Operating: | 50 to 104 | 10 to 40 |
| b. Storing: | -104 to 122 | -40 to 50 |

2. Relative Humidity: 20% to 80% (noncondensing)

3. Altitude: -1000 to 10,000 feet

E. Interface:

-- Transfer Rate: 500 Kilobits per second (serial)

1. DB-19 connector (to Macintosh External Disk Drive port)

2. Expansion port: DB-19 connector

-- Compatible with Macintosh external disk drive

F. Physical Specifications

1. Weight: 7 pounds (3.2 kilograms)

	inches	millimeters
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- | | | |
|------------|------|------|
| 2. Width: | 9.7 | 246 |
| 3. Height: | 3.1 | 78.5 |
| 4. Depth: | 10.5 | 266 |

II. System Configuration

The Hard Disk 20 with Startup Disk can be used with any Macintosh 512K, Macintosh 512Ke, Macintosh Plus, or Macintosh SE.

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