



# Tech Info Library

## ProFile Hard Drive: Specifications (Discontinued)

This article last reviewed: 10 May 1985

Model A9M0005 5 Megabyte (Discontinued)

A9M0100 10 Megabyte (Discontinued)

### I. Technical Specifications

#### 1. Data Storage Characteristics:

	A9M0100	A9M0005
Data Capacity (formatted)		
in megabytes:	10	5
Data Surfaces:	4	4
Heads per Surface:	1	1
Track Spacing per inch:	345	254
Tracks per Surface:	306	152
Sectors per Track:	16	16
Sectors per Surface:	4896	2432
Block Size		
in bytes:	512	512
5.25" Floppy Equivalence:	70	35

#### 2. Drive Characteristics:

Average Seek Time		
in milliseconds:	85	180
Data Transfer Rate		
in megabits/sec:	5	5
Rotational Start-up Time		
in seconds:	20	20
Drive Ready to Operate		
in seconds:	120	60
Rotational Speed		
in RPMs +/- 1%:	3600	3600
Mean Time Between Failure:		
in hours:	10,000	10,000

--Winchester technology

#### 3. Interface:

- a. Type: 8-bit parallel
- b. Connector: DB-25
- c. Drives per Interface: 1

#### 4. Power Requirements:

- a. U.S.: 110 VAC, 35 Watts
- b. Europe: 230 VAC
- c. Drive power source internal to the ProFile.

#### 5. Environmental Requirements

- a. Temperature
  - Operating: 50 to 104 degrees F (10 to 40 degrees C)
  - Storage: -7.6 to 176 degrees F (-22 to 80 degrees C)
- b. Humidity
  - Operating: 20 to 80% noncondensing.
  - Storage: 1 to 95%

#### 6. Physical Characteristics

	inches	centimeters
Height:	4.39	11.15
Width:	17.28	43.89
Depth:	8.81	22.38

	pounds	kilograms
Weight:	11	5

## II. Package

With the 5 Megabyte or 10 Megabyte ProFile package:

1. Apple ProFile hard-disk drive
2. Apple ProFile Accessory Kit including:
  - a. ProFile interface cable
  - b. System-specific ProFile owner's manual
  - c. Warranty and product registration
  - d. User Input Report
3. Included in the Apple II Accessory Kit:
  - a. Catalyst II software
  - b. Apple II SOS Driver and Utilities software
  - c. Backup II software
  - d. Apple II ProFile Interface Card
4. Included in the Apple III Accessory Kit:
  - a. Catalyst 2.0 software
  - b. Pascal ProFile Manager software
  - c. Backup III software
  - d. Apple III ProFile Interface Card

## III. System Configuration

--Either ProFile may be used the following Apple personal computers:

1. IIe
  - a. RAM: Minimum of 64 kilobytes
  - b. Operating System: ProDOS Pascal 1.2
  - c. Interface Cards:
    - The difference between the 5Mb and 10Mb ProFile Interface cards is the ROM at location C6. The ROM is 341-027 for the 5Mb Card and 341-0299-B for the 10 Mb.
2. Apple III
3. Macintosh XL

NOTE: The Macintosh XL containing a built-in 10-megabyte hard disk requires a Parallel Interface Card (Order A6BB101, obsolete).

#### Features

Controller automatically scans for error conditions, relocating marginal data blocks elsewhere on the hard disk, if necessary.

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