



# Tech Info Library

## PowerBook 100 External SuperDrive: Specifications

Article Created: 23 December 1992

Article Reviewed/Updated: 27 August 1993

TOPIC -----

This article gives technical specifications for the Macintosh HDI-20 External 1.4MB Floppy Disk Drive (PowerBook 100 External SuperDrive).

DISCUSSION -----

### Recording Media

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- Disk diameter: 3.5 inches (9.0 cm)
- Recording surfaces: 2
- Tracks per inch: 135 (5.31 per mm)
- Number of cylinders: 80

### Capacity

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- Formatted data:
  - 1.4MB (MFM)
  - 800K (GCR)
  - 720K (MFM)
- Unformatted data: 1 or 2MB

### Drive Characteristics

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- Seek time (track-to-track): 3 milliseconds
- Settle time: 18 milliseconds
- Drive startup time: 800 milliseconds

### Head Position Accuracy

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- $\pm$  30 micrometers

### Interface

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- Connects directly to the Macintosh PowerBook 100 HDI-20 floppy drive port, via the drive's attached interface cable.

### Environment

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- Operating temperature: 50 to 122° F (10 to 50° C)
  - Relative humidity: 5% to 90% noncondensing
  - Storage temperature: -40 to +149° F (-40 to +65° C)

#### System Requirements

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- Macintosh PowerBook 100

#### Dimensions and Weight

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- Height: 1.1 inches (28 mm)
- Width: 4.5 inches (115 mm)
- Depth: 7.0 inches (174 mm) not including attached interface cable
- Weight: 1.5 lb. (.68 kg)

#### Article Change History:

27 August 1993 - Revised storage temperature

#### Support Information Services

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Keywords: SPECSHT,kpbook

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19960215 11:05:19.00

Tech Info Library Article Number: 11154