



# Tech Info Library

## PowerBook 100 External SuperDrive: Specifications

Revised: 5/31/94  
Security: Everyone

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

-----

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

### Capacity

-----

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

### Drive Characteristics

-----

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

### Head Position Accuracy

-----

- ± 30 micrometers

#### Interface

-----

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

#### Environment

-----

- 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

-----

- Macintosh PowerBook 100

#### Dimensions and Weight

-----

- 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

Copyright 1992-93, Apple Computer, Inc.

Tech Info Library Article Number:11154