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PowerCD: Specifications (10/93) (Discontinued)

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TOPIC -----

This article gives the technical specifications for the PowerCD.

DISCUSSION -----

GENERAL DESCRIPTION:

Weight

- 1.4 kg

Dimensions (assembled)

- 6.5 inches high
- 8.6 inches wide
- 4.9 inches deep

Operating temperature

- +41° F to 104 ° F (+5° C to 40° C)

Operating Humidity

- 5% to 90% (no condensation)

Interfaces

- One video/audio port
- One 50-pin SCSI interface port
- One stereo output port
- One headphone port

POWER:

Power Adapter

- One of the following:

120 V AC, 60 Hz
230 V AC, 50 Hz
100 V AC, 50/60 Hz
240 V AC, 50 Hz

DC Input

- 7 to 11 V, 1.2 A

Power Consumption

- 15 W

VIDEO:

Video Out (CVBS)

- 1 Vpp (75-ohm load)

Signal-to-noise ratio

- >4.5 MHz (PAL)
>4.2 MHz (NTSC)

AUDIO:

Analog output

- 2 Vrms+/- 2dB

Headphones output power

- 30 mW (47-ohm load)

Signal-to-noise ratio

- 95 dB (speakers)
82 dB (headphones)

Dynamic range

- 80 dB (speakers)
84 dB (headphones)

Channel separation

- 90 dB (speakers)
75 dB (headphones)

Total harmonic distortion

- 70 dB (speakers)
75 dB (headphones)

DATA

Data capacity

- 656 MB, Mode 1
- 748 MB, Mode 2

Number of blocks per disc

- 270,000 (typical)

Data per block

- 2,048 bytes, Mode 1
- 2,336 bytes, Mode 2

Address description

- Minutes, seconds, frames

DATA STREAMING

Blocks per second

- 75

User bytes per second

- 153.6K, Mode 1
- 175.2K, Mode 2

SCSI transfer rate

- 2.1 MB per second

Buffer size

- 256K

LASER

Type

- Semiconductor laser GaAIAs

Wavelength

- 780 nm

Output power

-
- 0.6 mW

Beam divergence

-
- 54.8°

CD Formats Supported

-
- Macintosh HFS
 - ISO-9660/High Sierra
 - Standard CD-DA Audio
 - CD-ROM XA, Multisession Kodak Photo CD

Article Change History:

7 June 1994 - Added CD Formats

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