



Tech Info Library

AppleCD SC: Specifications (Discontinued)

Revised: 9/13/93
Security: Everyone

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Article Created: 1 March 1989
This article last reviewed: 25 January 1991

Physical Dimensions

depth 266 mm (10.47 inches)
width 246 mm (9.69 inches)
height 84 mm (3.31 inches)
weight 4.0 kg (8.8 lbs)

(the drive mechanism alone is 146 x 212 x 62mm)

Disc Specifications

recording surfaces 1
disc diameter 120 mm
disc center hole 15 mm
thickness 1.2 mm
track pitch 1.6 microns (15,875 tracks per inch)
scanning velocity 1.2 - 1.4 meters per second
rotation speed Varies over radius, approximately 530 to 230 rpm
latency (average) approximately 55 to 130 milliseconds
blocks per rotation 8.4 to 19.5 variable

Data Specifications

Data capacity 550 MB, mode 1
630 MB, mode 2
number of blocks/disc 270,000
data per block 2048 bytes, mode 1
2336 bytes, mode 2
address description minutes, seconds, frames

playing time 1 hour

Data Streaming Rates

blocks per second 75 blocks per second
user bytes per second 153.6K, mode 1
 175.2K, mode 2
SCSI bus transfer rate 800K per second

Access Time
 Average Less than 600 milliseconds (500ms, typical)
 Maximum (First to
 last block) Less than 1.2 seconds (800ms, typical)

Modes Supported

CD-ROM modes 1 and 2
CD-Audio

Environmental

Noise (maximum)
Drive on (seek or non-seek) <46 dB(A)

Temperature

 Operating Temperature +10 degrees C to +40 degrees C
 Storage (6 months) -30 degrees C to +50 degrees C
 Transit (72 hours) -30 degrees C to +55 degrees C

Humidity Classified as Class 1 equipment

Power Requirements

AC Input (US and Canada) 120V AC +/- 10%, 58 to 62 Hz
AC Input (Universal) 100/120/200/220/240V AC +/- 10%, 48 to 62 Hz
The drive cannot be powered directly by a 12V power supply.

Power Consumption

Drive on 40 watts

Interface

SCSI expansion ports 50-pin connector

(NOTE: The AppleCD SC does not perform oversampling of the audio section.)

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Tech Info Library Article Number:2596