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Apple Tape Backup 40SC: Specifications (Discontinued)

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Security: Everyone

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Following are the specifications for the Apple Tape Backup 40SC (part # M2640):

I. GENERAL SPECIFICATIONS

A. Storage Media

1. Type: 0.25-inch magnetic tape cartridge (DC 2000)
2. Length: 205 ft (62.5 meters)
3. Width: 0.25 in (6.35 mm)
4. Lifespan: 5,000 passes

B. Data Capacity

1. Total capacity: 38.5 MB
2. Encoding method: GCR (Group Code Recording)
3. Flux density: 12,500 ftpi
4. Bit density: 10,000 bpi (GCR)
5. Block size: 8192 bytes (8320 w/ 128 bytes of system data appended)
6. Number of tracks: 24 serpentine
7. Track width: 8 mils (.020 mm) write
5 mils (.0125 mm) read
10 mils (.025 mm) spacing

C. Speed and Timing

1. Tape speed: 60 ips R/W; 90 ips search/rewind
2. Drive data transfer rate: 600 Kb/s noninterleaved (uncorrected raw); 400 Kb/s noninterleaved (fully corrected)
3. SCSI data transfer rate:
 - avg. for continuous tape motion: 21.3 Kb/s corrected, noninterleaved
 - maximum burst rate: 500 Kb/s
4. Rewind time: 27 seconds, end-to-end (nominal)

5. Start/Stop time: 150 ms (nominal)
6. R/W head position time: 250 ms track-to-track

II. MECHANICAL SPECIFICATIONS

A. Dimensions

1. Height: 3.07 in (78 mm)
2. Width: 9.7 in (246 mm)
3. Depth: 10.5 in (266 mm)
4. Weight: 7.3 lb (3.3 Kg)

B. Temperature

1. Operating: 5 to 45 deg C (cartridge limited)
2. Shipping/Storage: - 40 to 65 deg C (hardware only)

C. Humidity

1. Operating: 20 to 80% (noncondensing)

D. Altitude

1. Operating: tested to 15,000 ft
2. Non-Operating: tested to 50,000 ft

III. ELECTRICAL SPECIFICATIONS

A. Input power

1. Line voltage: 85 to 270 VAC, 47 to 64 Hz
2. Power dissipation: 15W

B. Data interface: Two 50-pin SCSI ports

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