

Memorex Corporation

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**650 Flexible Disc File
Description**

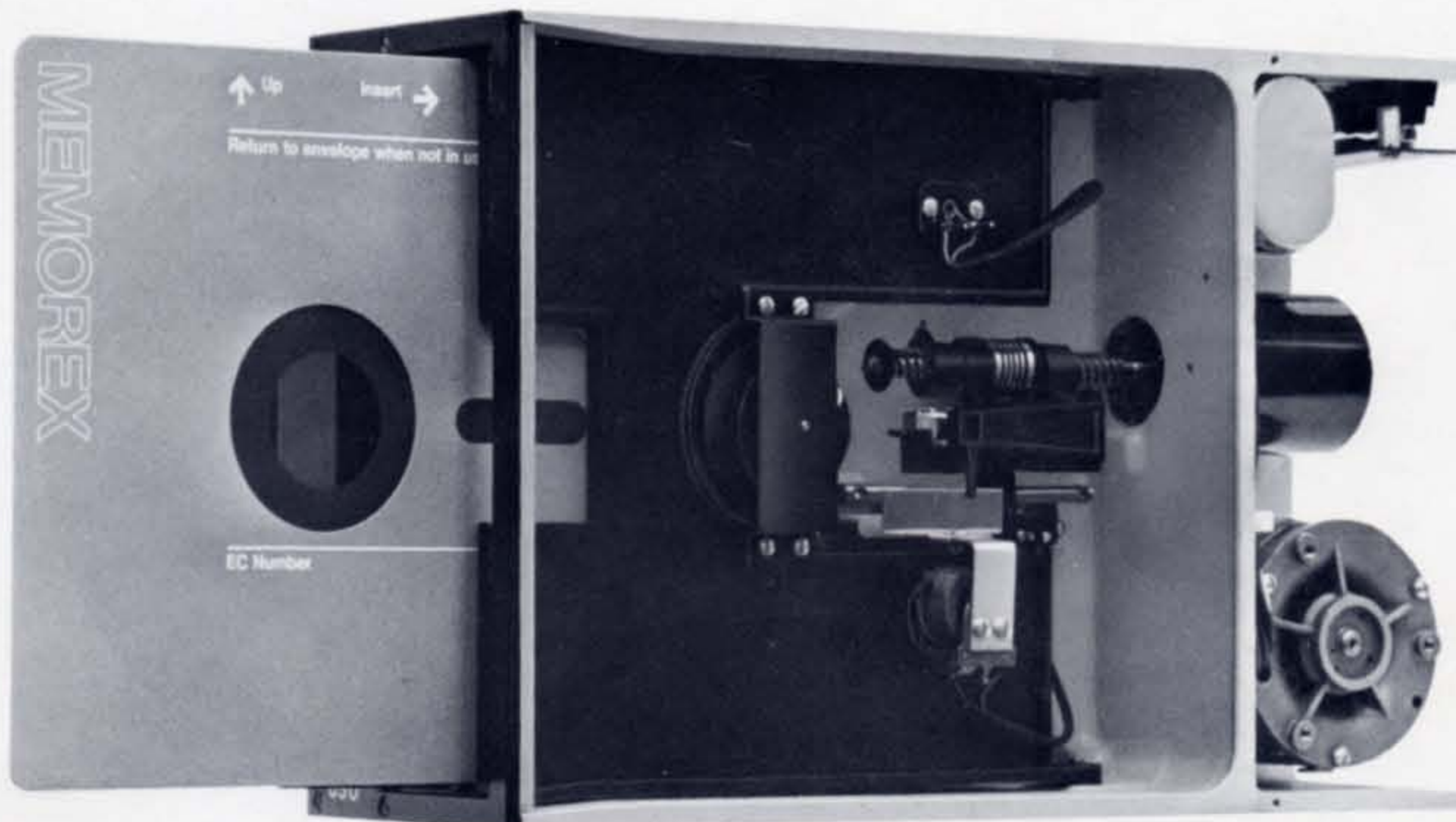
The Memorex 650 Flexible Disc File is a compact, direct access, removable disc unit intended to simplify the distribution, handling and storage of digital information.

The file is composed of a drive mechanism, recording head, head actuator and associated electronics. The file is connected to the host system by signal and power cables with addressing, function requests, data formatting and power supplied by the host system.

The FD/III Flexible Disc Cartridge is composed of a Mylar® disc substrate coated with a magnetic oxide and encased in a flexible plastic envelope, eight inches square by one-sixteenth inch thick, which provides protection during handling, operation and storage. The disc is 7.5 inches in diameter, and it has eight holes spaced around the periphery for sector definition, plus one additional hole for indexing.

The 650 Flexible Disc File can write and read discs interchangeably from unit to unit. For those applications not requiring a write capability, read-only capability is available.

The 650 Flexible Disc File is designed for applications that require a small, low cost data storage device, yet demand a much higher degree of performance and reliability than is available in cassette, cartridge, or small reel-to-reel tape drives. Typical applications for the Memorex 650 are control store loading, auxiliary storage, data logging, key-entry recording, programmable calculator storage, point-of-sale recording and accounting machine storage.



MEMOREX

650 Flexible
Disc File

650 Flexible Disc File Features

Designed for digital applications

1.5 megabit capacity

200 kilobits per second transfer rate

Recording media is simple, convenient and reliable.

650 Flexible Disc File Characteristics

Capacity	
Maximum record length Sectorized, 8/track	3.5 kilobits
Maximum record length Indexed, 1/track	30 kilobits
Maximum disc capacity Sectorized	1.4 megabits
Maximum disc capacity Single record	1.5 megabits

Recording Density
Approximate bit density (inside track)
2400 BPI

Format
Sectors per track 8
Index per track 1

Rotational Speed
375 RPM

Access Time
Track-to-track 20 ms

Tracks
50 per disc

Recording Mode
Frequency modulation

Data Rate
200 kilobits per second

Operational Environment
60° to 100°F
20% to 80% RH with maximum wet bulb 78°F

Power
Primary
110 VAC, single phase, 50/60 Hz

Secondary
+24 VDC, 2.0 amp
-15 VDC, 0.16 amp (or -12 VDC)
+ 5 VDC, 0.60 amp

Heat Dissipation
280 BTU per hour, nominal

Physical Dimensions
9" high x 4½" wide x 14" deep

Weight
17 pounds

Options
208/230 VAC, single phase, 50/60 Hz
Read-Only
Slide Mounting Hardware