

Mark X^{T.M.} Disc Pack

Description

The Memorex Mark X is a high performance disc pack with a capacity of 100 megabytes. It is compatible with the Memorex 3670 and IBM 3330 disc drives. The Mark X is also interchangeable with the IBM 3336 Model 1 disc pack.

The Mark X contains 12 discs and 19 data surfaces plus one for the pre-recorded servo tracks. Each pack is pre-initialized with home address and record zeros assigned, thus, saving programming and computer time.

Mark X—Quality and Reliability Combined

You want absolute data integrity from your pack, and you get it from Mark X. The assurance of data integrity is the result of the company's extensive experience in both testing and servo writing. Our proprietary servo writer for Mark X is used to insure precise head positioning and indexing of data tracks.

At Memorex, this procedure has set the standard for servo written disc products—all other servo written Memorex products are based upon the technology used in developing the servo writer for this pack.

Stringent testing further assures the pack's data integrity. A 200% read/write analysis and half-altitude testing with special heads are performed on the recording surface of each disc. Once the pack is assembled each Mark X is tested again on specially-designed marginalized equipment. These key tests assure the highest standards of excellence for data throughput.

The proven and reliable performance of Mark X provides you with a smoother, more reliable operation. Thousands of units have been installed, worldwide, due to the company's expertise in coating processes.

Additionally, pack excellence is insured by rigid quality control procedures which are among the most rigorous in the industry. From raw materials to finished product, Mark X undergoes over one-hundred audits and tests, further assuring maximum performance, before the pack is ever shipped.

Mark X: the "benchmark" in quality and reliability that you require in a high performance disc pack.

MEMOREX

Mark X
Disc Pack



MEMOREX

Mark X Disc Pack

Mark X Disc Pack Technical Data

Compatibility

The Mark X is designed for use on the Memorex 3670, the IBM 3630 and other compatible disc drives. It will also perform on any disc drive designed to utilize an IBM 3386 type pack.

The Mark X will meet or exceed the specifications detailed in IBM Document GA26-1614.

Physical Dimensions (including coverset)

Height	7.06 inches
Diameter	14.9 inches
Weight	21.0 pounds
Shipping Weight	26.5 pounds

Disc Information

Total discs per pack	12 each
Bottom protective disc	1 each
Top protective disc	1 each
Recording discs	10 each
Disc thickness	0.075 inches
Nominal coating thickness	50 μ inch
Surface smoothness	2 μ inch

Recording Surfaces

Data surfaces per pack	10 each
Servo surfaces per pack	1 each

Maximum Data Storage

Per pack	100,018,000 bytes
Per cylinder	247,570 bytes

Servo Tracks Initialization

Pre-Recorded Home Addresses and track descriptors (R0) are assigned prior to shipment

Alternate Tracks	7 per surface 133 per pack
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Data Tracks	404 per surface 7676 per pack
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Recommended Environment

Temperature	60-120°F
Relative humidity	8-80%
Maximum wet bulb	78°F

Before the Mark X is placed into operation, it shall be conditioned in the computer room environment for a minimum of two hours.

Memorex Corporation

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