

## Mark VI Disc Pack Description

The Mark VI is a 29 megabyte capacity disc pack, compatible with the Memorex 3660, IBM 2314, 2319, 5445 (System/3) and equivalent drives. It is directly interchangeable with the IBM 2316 disc pack. Additionally, Memorex manufactures Mark VI packs which are offered in 200 TPI and special sector configurations to assure compatibility with non-IBM drives and drives requiring higher densities.

When used on the various drives, Mark VI's data can be recorded on each of the 20 surfaces (eleven recording discs) at a packing density of 2200 BPI. Actual capacity is determined by drive and program parameters.

Each pack is equipped with one top protective disc and a sector disc with index slot, and sectoring to match your disc drive.

The Mark VI is backed by full factory and field engineering support. And it is offered with a wide variety of financial programs.

**Mark VI—A Dependable Performer**  
Maximum reliability of your system begins with a pack that records data dependably. That pack is Mark VI. Mark VI's high performance and endurance come from years of Memorex experience in the manufacture of packs—with quality, precision components—and from thorough testing. For example, Mark VI's disc substrates are micro-finished the smoothest in the industry. And its disc coating is applied extra uniformly by Memorex's unique spin coating technique.

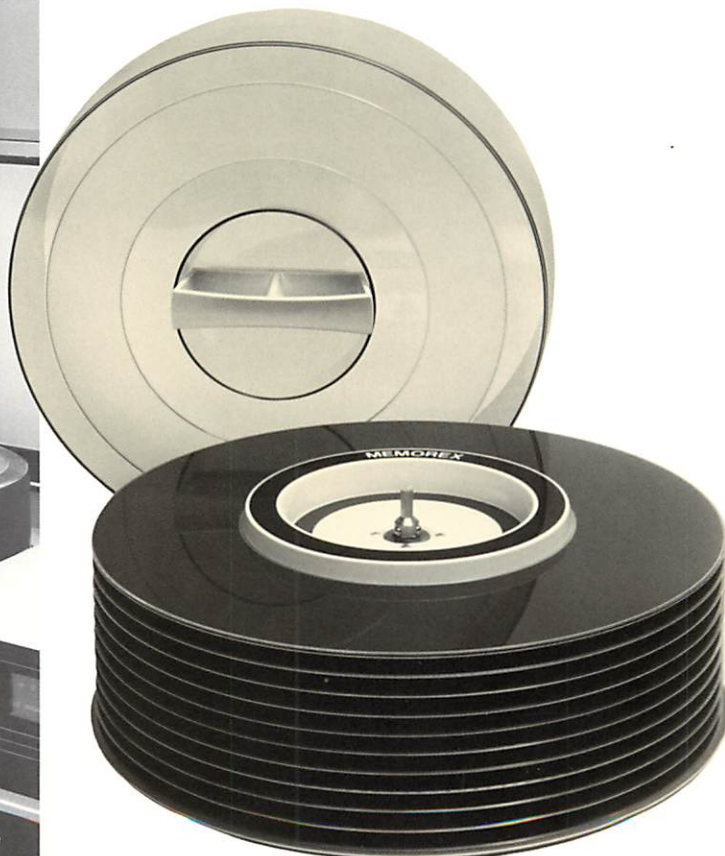
Comprehensive testing is another measure of Mark VI's excellence. Each disc is 100% surface tested and one-half altitude tested for maximum data integrity. Final testing is accomplished on specially designed drives and equipment to assure unequalled performance. Finally, dynamic, dual-plane balancing insures pack stability and reliability during operation.

Mark VI's extra performance means you get that "extra" from your DP operation. Like stainless steel cover inserts which provide optimum support of the locking assembly. And forged aluminum hubs which provide solid support at the pack mount point on the drive spindle. Also, the entire pack is protected by a durable Lexan\* coverset.

For quality, long life and versatility on a wide variety of drives, Mark VI offers unsurpassed support in your system.

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# MEMOREX



## Mark VI Disc Pack

THE COMPUTER HISTORY MUSEUM



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### Mark VI Disc Pack Technical Data

#### Compatibility

The Mark VI is designed for use on the Memorex 3660, IBM 2314, IBM 5445 and other compatible disc drives.

The Mark VI will meet or exceed the specifications detailed in IBM's Reference Manual A26-5554.

#### Physical Dimensions

(Including coverset)

Height	5.75 inches
Diameter	15 inches
Weight	14 pounds
Shipping Weight	20 pounds

#### Disc Information

Total discs per pack	13 each
Top protective disc	1 each
Bottom sector disc	1 each
Recording discs	11 each
Disc thickness	0.050 inch
Nominal coating thickness	100 $\mu$ inch
Surface smoothness	2 $\mu$ inch (arithmetic average)

#### Recording Surfaces

Data surfaces per pack 20 each  
(Top protective disc, top surface of top recording disc and bottom surface of bottom recording disc are not used for recording.)

#### Data Storage

Bits per inch (inside track) 2200  
Bytes per pack (when used on the Memorex 3660 or IBM 2314 compatible drives; 100 tracks per inch) 29.17 million

When used on 200 TPI drives, the bytes per pack are 58.34 million

**Alternate Tracks** 3 per surface (100 TPI)  
60 per pack (100 TPI)  
6 per surface (200 TPI)  
120 per pack (200 TPI)

**Data Tracks** 200 per surface  
(100 tracks per inch)  
4000 per pack  
(plus 60 available alternates)  
400 per surface  
(200 tracks per inch)  
8000 per pack  
(plus 120 available alternates)

#### Recommended Environment

Temperature 60-120°F (in drive)  
Relative humidity 8-80%  
Maximum wet bulb 78°F

#### Shipping Environment

Temperature 40° - 150°F

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

#### Memorex Corporation

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