

MEMOREX

Mark XV™ Disc Pack

Description

One of Memorex's newest disc packs, the Mark XV™ disc pack, is specially built and servo written for use on the Calcomp T-300, the Ampex DM 9300, and other equivalent disc drives.

The Mark XV pack has a maximum data storage capacity of 300 megabytes contained on 10 discs (19 data surfaces plus one for the prerecorded servo tracks).

Each pack includes a Lexan* coverset, temper-hardened steel top cover inserts, stainless steel locking assembly, chip-resistant face gear, and forged aluminum hubs. High speed performance is insured by dynamic balancing during manufacture.

*Registered trademark of General Electric Co.

Why Mark XV Disc Pack?

It provides the assurance that your system's stored data will be there when you want it. We took extra steps in designing the Mark XV pack. Rather than equipping our pack with standard 3336-11 type media, we designed Mark XV discs for higher capacity, 6060 BPI recording. These discs feature "Armor-Tough" coating, which gives added data availability assurance.

Because of our stringent testing, the Mark XV pack assures high performance right from the first day. Before the Mark XV pack is assembled, the discs are polished and tested beyond standard parameters. And after assembly, the packs are critically tested to tighter levels, well beyond normal operating conditions. This means that each pack will perform reliably in your system.

Mark XV disc pack. Built and tested to insure your system's excellent operation.



Mark XV™
Disc Pack

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Mark XV Disc Pack
Technical Data

Compatibility

The Mark XV disc pack is designed for use on the Calcomp T-300, the Ampex DM 9300 disc drives, and other equivalent disc drives.

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 i.d. to o.d.	35-50 μ inches
Surface smoothness	less than 1.0 μ inch

Recording Surfaces

Data surfaces per pack	19 each
Servo surfaces per pack	1 each

Maximum Data Storage

Per pack	300,000,000 Bytes
Per cylinder	364,964 Bytes
Servo Tracks	Prerecorded
Initialization	Complete factory initialization and pack test. User must re-initialize the home address and track descriptor according to his system format requirements.
Alternate Tracks	7 per surface 133 per pack

Data Tracks	808 per surface 15,352 per pack
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Environmental Conditions

Temperature range	60°-135°F
Relative humidity	8%-80%
Maximum wet bulb	78°F

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

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