

The XMD-Series of mini-computer mass memory systems offers 10 to 160 million bits of storage. The disk drives are similar to the IBM 2310 drive. and the disks come in 1025 or 2200 bit-per-inch densities - each with a fixed or removable platter.

A mini-computer coupler, controller, necessary cables and power supplies, plus one to four disks comprise the system. Software includes a disk formatter, I/O driver and a diagnostic maintenance program.

The disks have 203 cylinders (head positions) - and each cylinder contains two tracks (single platter) or four tracks (double platter). The tracks are divided into eight sectors (1025 BPI density) or 16 sectors (2200 BPI density) and each sector contains 256 12-bit data words or 192 16-bit data words.

Available at a modest additional cost is our complete disk operating system software package (XDOS) which provides the user with a turnkey-type system for creating and manipulating named files on the disks.



## CONTROLLER

- Automatic Formatting
- Write Protect
- Write Data Verification
- Unrestricted Data Transfer
- Continuous Transfer of Multiple Sectors
- Positioning Verification
- Data-Error Checking
- **Overlap Seek**
- **User-Error Checking**

# **DISK DRIVE**

- Self-Clocking **Recording Technique**
- Interchangeable Unit-to-Unit
- Easy Loading

1 1 2200 203 2
2200 203 2
203 2
2
16
256
192
3,325,952
2,494,464
130 K Wd/s
98 K Wd/s
20 ms
40 ms
15 ms
60 ms
100 ms
Voice Coil
IBM 2314
in 2315

## SECTOR LAYOUTS

	Overhead	SYNC	Preamble	Data	Checksum	Overhead
1025 BPI	202 µsec	1 Wd.	1 Wd.	256 Wds. 3072 Bits	1 Wd.	230 µsec
2200 BPI	202 µsec	1 Wd.	1 Wd.	256 Wds. 3072 Bits	1 Wd.	125 µsec

# SIZES

	Panel	Panel	Module Depth*	
	Width	Height	Behind Front Rails	
Controller	19"	5-1/4"	27"	
Disk Drive	19"	17-1/2"	29"	
Disk Drive Power Supply	19"	8-3/4"	24"	

\*Module depth includes space for adequate airflow, and cable access.

### POWER REQUIREMENTS

	50 Hz	60 Hz
Voltage	220-240 VAC	105–125 VAC
Current (Average)	3.5 Amps	4.5 Amps
Current (Peak)	6 Amps	9 Amps
Phase	Single	Single
Frequency Tolerance	±1/2 Hz	<u>±</u> 1/2 Hz



Cartridge