

## 612 OEM Disc Storage Drive Future Product Information

Because Memorex is committed to supporting the OEM market with the highest quality products, we are continually researching and updating our present OEM products to incorporate the latest technology. Although our 601 OEM Disc Storage Drive is a standard in the industry, we are currently improving that design still further. Our larger capacity 612 OEM Disc Storage Drive will soon be available through your Memorex representative.

The Memorex® 612 Disc Storage Drive is a modular, 28/56/84 - megabyte disc storage drive intended for a broad range of applications requiring a cost-effective, highly reliable, low maintenance, operator-independent unit. The 612 stores up to 84 megabytes of digital data on four fixed discs.

### Interfacing

Two interfaces are available: the standard SMD interface, and a TTL interface, which is designed to be compatible with disc drive controllers that use 5440 or 2315 cartridge disc packs. We also offer custom interfacing per your requirements.

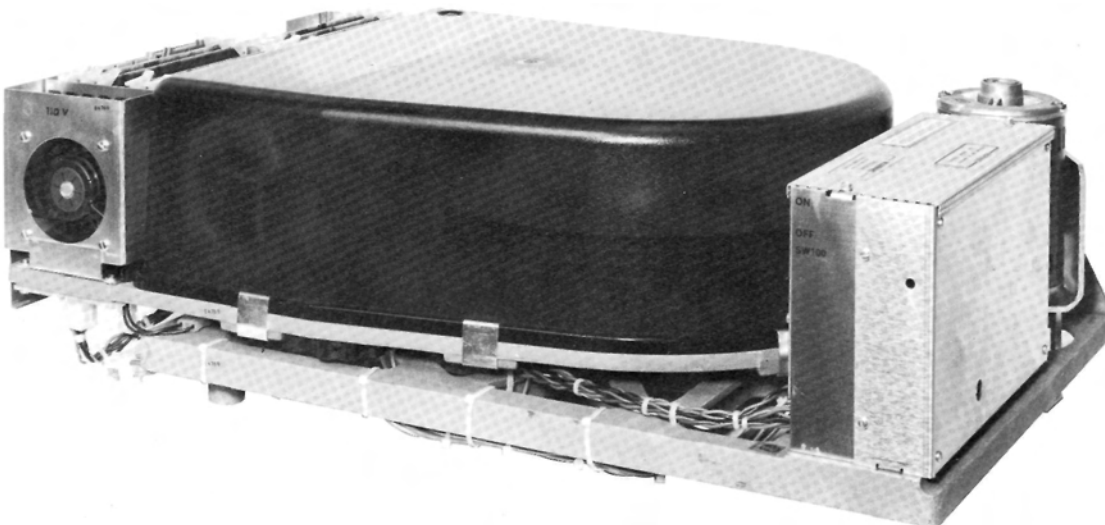
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## 612 OEM Disc Storage Drive Future Product Specifications

**Capacity** (unformatted)  
 Track Capacity 20,160 bytes  
 Cylinder Capacity 80.6K/161.3K/  
 241.9 Kbytes  
 Drive Capacity 28/56/84 MB

### Data Retrieval

Times	Horizontal	Vertical
Average Latency	8.45 msec	8.45 msec
Access Time		
Minimum	7 msec	7 msec
Average	32 msec	35 msec
Maximum	65 msec	75 msec
Data Transfer Rate	1.2MB/sec	1.2MB/sec

### Recording Characteristics

	Capacity 28	Capacity 56	Capacity 84
Data Surfaces	2	4	6
Data Heads	4	8	12
Heads per Surface	2	2	2
Tracks per Cylinder	4	8	12
Servo Surfaces	1	1	1

### All Models

Data Tracks per Head	350
Tracks per Inch	300
Bits per Inch	6350
Head Load (grams)	10
Head Mass (grams)	0.25
Head Flying Height (U in)	19

### Dimensions

Width	44.5 cm (17.5 in)
Height	25.4cm (10.0 in)*
Depth	72.4 cm (28.5 in)
Weight	40.4 kg (89.0 lbs)t
	*38.1 cm (15.0 in) with power supply
	t55.4 kg (122.0 lbs) with power supply

### Environmental Conditions

Operational	Nonoperational
Temperature	
+ 50°/+110°F	-40°/+140°F
(+10°/+43°C)	(-40°C/+60°C)
Relative Humidity	
10%/90%	10%/90%

### Power Requirements

110/117/208/230 VAC ± 10%, 60 Hz  
 100/110/125/200/220/230/240 VAC  
 ± 10%, 50 Hz

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