

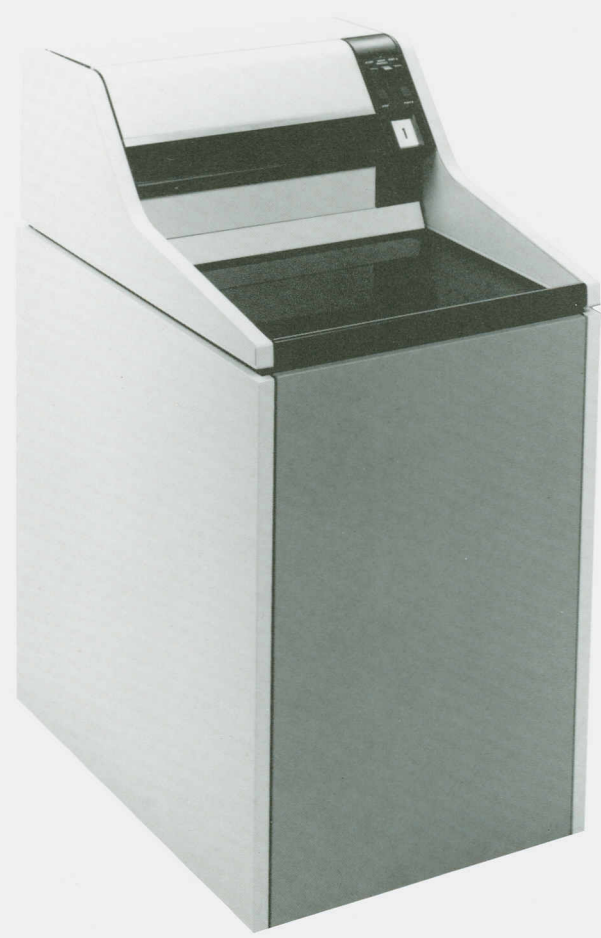
**677-30 OEM Disc Storage Drive
Future Product Information**

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 677 OEM Disc Storage Drive is a standard in the industry, we are currently improving that design still further. Our larger capacity 677-30 OEM Disc Storage Drive will soon be available through your Memorex representative.

The Memorex® 677-30 is a 300-megabyte, highly reliable, direct-access disc storage drive that features fast data access and simplicity of design and packaging for ease

of maintenance. In operation, the drive rotates the disc pack at 3600 rpm, selects one of nineteen read/write heads for an operation, positions the selected head to one of 823 tracks on the disc surface, and synchronizes the data transfer at 1.209 megabytes per second transfer rate. The mechanical and electrical characteristics of the Memorex 677-30 can be tailored to match your control-unit/ drive interface specifications.

Memorex's 200-megabyte drive, the 677, is field upgradable to this highly reliable 300-megabyte product. The CDC 300-megabyte drive is plug-to-plug and back-to-back compatible with the Memorex 677-30. Write on one, read on the other.



MEMOREX

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Future Product Specifications**Data Retrieval Times**

Average Latency: 8.33 msec
Track-to-Track Access Time (maximum):
6 msec
Maximum Access Time: 53 msec
Average Access Time: 28.5 msec
Data Transfer Rate: 1,209,000 bytes/sec

Disc Pack Characteristics

Number of Recording Discs: 10
Number of Recording Surfaces: 19
Tracks per Surface: 823
Track Density: 384 tracks/inch
Bit Density (Innermost Track):
6060 bits/inch
Bit Density (Outermost Track):
3990 bits/inch
Encoding Scheme: MFM (Miller)
Coating Material (Memorex Mark XI):
Oriented pfizer iron oxide
Servo Surface: Surface 10
Index Pattern: 111110101101
Rotational Speed: 3600 rpm

Capacity

Track Capacity: 20,160 bytes
Cylinder Capacity: 383,040 bytes
Disc Pack Capacity: 309,500,000 bytes

Dimensions

Width: 22 inches
Depth: 32 inches
Overall height (Top of Control Panel):
47 inches

Start/Stop Time

20 sec nominal

Weight

550 lbs.

Power Requirements

Voltage: 60 Hz, 208/230 VAC \pm 10%,
3 phase (DELTA)
50 Hz, 220/230/240 VAC \pm
10%, 3 phase (DELTA); 380/
398/415 VAC \pm 10%, 3 phase
(WYE)
Frequency: 60 \pm 1%; 50 \pm 1%

Maximum Heat Dissipation

4450 BTU/hour

Internal Air Flow

550 CFM

Operating Environmental Conditions

Temperature: Range, 60° to 90°F;
Optimum, 75°F; Allowed Variation, 5°F/hour
Relative Humidity: Range, 20% to 80%;
Optimum, 50%
Maximum Wet Bulb: 78°F

Nonoperating Environmental Conditions

Temperature: Range, 50° to 110°F;
Allowed Variation, No Condensation
Relative Humidity: 10% to 90%
Maximum Wet Bulb: 80°F

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