

## CONTROL DATA® 841 MULTIPLE DISK DRIVE



The Control Data 841 Multiple Disk Drive is a large capacity, random access storage device that records and reads information from removable disk packs.

Modular in concept, the 841 is available in six models: 841-3 (three active drives, plus a spare) through 841-8 (eight active drives, plus a spare). The spare drive can be any one of the units and is available for immediate use if servicing or routine maintenance is required on any of the other drives. Additional drives may be added as user requirements dictate. Each disk storage drive

uses a removable, spindle-mounted disk pack with 20 recording surfaces. A hydraulic actuator positions the 20 magnetic read/write heads.

Utilizing the 3553 Mass Storage Controller, it is possible to perform multiple seek operations concurrently with one read or write operation. The dual access option allows a second controller to be connected to the 841, providing simultaneous data transfers to any two 841 drives.

**SPECIFICATIONS**

**Capacity (per drive)**

Sector: sector sizes of 644, with the 7054 Controller,  
or 5160 characters, with the 7654 Controller  
Track: 24 small sectors or 3 of the larger sectors  
Tracks per Surface: 404  
Number of Surfaces: 19  
Drive: ~~708~~ million bits *708 Million Bits*  
Capacity (8 drives): 5.7 billion bits

**Positioning Time**

Minimum: 10 milliseconds  
Maximum: 55 milliseconds  
Average: 30 milliseconds, random non-optimized  
Rotational Speed: 3600 RPM  
Average Latency Time: 8.3 milliseconds  
Disk Pack: Type CDC 872 or equivalent

**Physical Dimensions & Weight**

Height: 39 inches  
Depth: 49 inches  
Width: 22 inches  
Weight: 600 pounds

**Power Requirements**

Power Source: 208 VAC, 3 phase  
Operating Current: 6.5 amps