



CONTROL DATA 879/881 Disk Packs are removable memory devices used in conjunction with disk storage units (DSU's). The disk packs and associated drives provide rapid random-access data storage for computer systems. The disk packs are certified for use at 192 tracks-per-inch (tpi) track density, 4,040 bits-per-inch (bpi) bit density, and have pre-recorded servo-track locations for precise track accessing. 411 cylinders are available for data storage, seven of which are reserved for use as alternates.

The CDC® 879 Disk Pack is used on the CDC 9752/9754/9756 and IBM 3330 or equivalent disk storage units. The 881 Disk Pack is used on the CDC 844 and 9750 DSU's.

The 879/881 Disk Packs contain ten recording disks, 14 inches in diameter and 0.075 inches thick. The disks are made of aluminum which is coated with a ferromagnetic oxide in a suitable binder. The ten disks provide 19 recording surfaces with an additional surface containing pre-recorded servo-track locations (timing-track data) for each of the 411 cylinders. The servo-tracks are used by the servo mechanism on the disk drive to precisely position the other 19 read/write heads. This ensures maximum readability.

The ten recording disks on the 879 and 881 are protected by an upper cover disk which has an oxide coating. This disk has the same general appearance as the 0.075-inch recording disks.

The protective lower cover disk on the 879 is made of aluminum but does not contain any index or sector notches. However, the 881 does have a sector disk containing 24 equally spaced radial slots and an index slot to allow a sensor on the disk storage unit to monitor disk speed and position.

An especially strong special plastic is used in all Control Data Disk Pack Canisters. This enclosure is engineered to prevent particles from entering the pack assembly while in storage and protects the entire pack from damage. The disk pack is attached to the top cover which contains a handle for easy load/unload handling.

Specifications

Number of recording disks: 10

Recording surfaces: 19 (plus the pre-recorded servo-track surface)

Recording density: 4040 bits per inch

Track density: 192 tracks per inch

Storage capacity: 800,000,000 bits or 100,000,000 8-bit bytes per pack

Operating speed: 3600 rpm

Canister size: 15 inches maximum diameter

Overall weight: 20 pounds (with covers)
25 pounds (shipping weight)

Sector disk: CDC 879 — lower cover disk only
CDC 881 — 24 sectors and 1 index slot
(special sectoring available upon request)

Drive compatibility: CDC 879 — CDC 9752/9754/9756
and IBM 3330 or equivalent
CDC 881 — CDC 844 and 9750

Preinitialization: CDC 879 — IBM compatible
CDC 881 — CDC compatible

All Control Data disk packs are designed and manufactured in a stringently controlled environment under strict quality control conditions and are warranted to perform according to the most critical performance standards. For further details please contact your nearest Control Data Representative.