



Burroughs

B 9484-3

Disk-Pack

Memory System

Single Data Access,

Dual Drive,

Magnetic Actuator

A high-speed, removable, on-line data storage and retrieval system that provides outstanding flexibility, programming ease, and reliability.

Operating Characteristics

- A disk-pack memory subsystem is comprised of a B 9484-3 Single Data Access Dual Drive and up to three B 9486-3 Dual Drive Increments (a maximum of four dual drives).
- The cabinet houses two disk-pack drives, each with its own power supply and associated electronics.
- Each disk-pack drive includes 11 disks with 20 data recording surfaces. Each drive is contained in a sliding assembly. A pack may be removed without affecting the on-line operation of the other drive.
- Data transfer rate is 312,500 bytes per second.
- Segment size is user-selectable at 180 bytes, or 7,470 bytes in full-track mode.
- Capacity is 121 million bytes per dual drive (in full-track mode) or up to 968 million bytes for two subsystems.
- Average random access time is 30 ms (average latency 12.5 ms). This high speed results from the disk drive's magnetic actuator.
- Each read/write head (one per disk surface) is attached to the magnetic actuator, forming a comb-like mechanism. The actuator positions each head over corresponding tracks on each disk surface at the same time.
- If the user's files are sequential, a "cylinder" of data 19 or 20 tracks deep, can be stepped through without moving the actuator. This reduces effective total access response time for sequential file accessing, updating, and maintenance. Or, files may be established randomly and the disk drive used in random access mode.
- One or two subsystems can be connected to the computer's Single Control.
- Each control provides a single access capability with simultaneous read/seek or write/seek operations. The control also includes on-line pack initialization, automatic error detection and correction, automatic data relocation, and data verification capabilities.

Physical Characteristics

- Dual Drive
 - Width: 31 inches.
 - Depth: 34 inches.
 - Height: 61 inches.
 - Weight: 650 pounds.



The B 9974-1 Disk-Pack for the B 9484-3 and B 9486-3
Single Data Access Dual Drive

