

# Burroughs

## A 9499-8 Dual Disk Storage/Controller Disk-Pack Subsystem



The A 9499-8 is an ideal batch or on-line storage and retrieval unit for use with the B 1716/ B 1718 Systems. The engineering advances assure reliability, flexibility and programming ease. Its low cost-per-character storage brings economy to each installation.

### General Characteristics

#### ■ Economy

The basic A 9499-8 Dual Disk Storage/Controller Disk-Pack Subsystem includes a single path controller and one B 9486-4 dual disk-pack drive.

The A 9499-8 Subsystem has a capacity of 87.2 million bytes of storage.

#### ■ Performance

Average random access time is 30 ms (average latency 12.5 ms). This high speed results from the disk file'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.

Segment size is 180 bytes.

Data transfer rate is 625,000 bytes per second.



A 9974-4 Disk Pack for use with A 9499-8 Subsystem

#### ■ Ease of Operation

A sequential addressing scheme permits a "cylinder" of data (20 tracks) to be accessed without head movement. This reduces effective total access time in sequential file accessing, file updating, and file maintenance.

The dual drive (included) contains two independent disk-pack drives, each containing 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.

The control provides a single access capability with simultaneous read/seek or write/seek operations. The control also includes automatic error detection, automatic data relocation, and data verification capabilities.

One disk-pack drive control (A 1486-1) is required for the A 9499-8 subsystem.

#### Physical Characteristics

##### ■ Controller (Single)

Width: 24"—61 cm

Depth: 35"—89 cm

Height: 60"—152 cm

Weight: 337 lbs.—153 kg

##### ■ Dual Drive

Width: 32 inches—81 cm

Depth: 34 inches—86 cm

Height: 61 inches—155 cm

Weight: 850 lbs.—386 kg