

Burroughs

B 9383-16 B 9383-17

Disk Storage/Controller Disk-Pack Drive Subsystem



The B 9383-16 and B 9383-17 are ideal on-line direct storage devices for very large data base users. The engineering advances assure reliability, flexibility and programming ease. Their low cost-per-byte storage brings economy to each installation.

General Characteristics

■ Economy

The B 9383-16 Disk Storage/Single Controller Disk-Pack Drive Subsystem includes a single path controller and one dual disk-pack drive. The B 9383-17 Disk Storage/Dual Controller Disk-Pack Drive Subsystem includes a dual path controller and one dual disk-pack drive.

Each subsystem has a basic capacity of 348.8 million bytes of storage and may be expanded to a 1.4 billion byte subsystem by the addition of B 9484-8 Dual Drive (348.8MB capacity) increments.

■ Improved Reliability and Pack Interchangeability

Burroughs exclusive servo technique provides high reliability when interchanging pack media. Instead of using a fixed external reference, these devices use embedded servo information pre-recorded between data sectors to guide the heads on seek operations. Reliability improves because the heads track the data accurately.

■ Performance

Average random access time is 30 ms (average latency 12.5 ms). Each read/write head (one per disk surface) is attached to the actuator forming a comb-like mechanism. The actuator positions each head over corresponding tracks on each disk surface at the same time.

Segment size is 180 bytes.

Data transfer rate is 625,000 bytes per second.



B 9974-7 Disk Pack for B 9383-16/17 Subsystem Drives

■ Improved Throughput

The Dual Port feature allows each drive to be physically addressed by two dual controllers allowing four channels to address up to 16 spindles.

Physical Characteristics

■ B 9383-16 Disk Storage/Single Controller

Width: 64 inches – 162.6 cm
Depth: 34 inches – 86.4 cm
Height: 61 inches – 154.9 cm
Weight: 1091 pounds – 495.9 kg

■ B 9383-17 Disk Storage/Dual Controller

Width: 64 inches – 162.6 cm
Depth: 34 inches – 86.4 cm
Height: 61 inches – 154.9 cm
Weight: 1260 pounds – 572.7 kg

■ B 9484-8 Dual Drive Increments

Width: 32 inches – 81.3 cm
Depth: 34 inches – 86.4 cm
Height: 61 inches – 154.9 cm
Weight: 850 pounds – 386.3 kg