

Burroughs

B 9383-18 Disk Storage/Dual Controller Disk-Pack Drive Subsystem



The B 9383-18 is an ideal on-line direct storage device for very large data base users. The engineering advances assure reliability, flexibility and programming ease. Its low cost-per-byte storage brings economy to each installation.

General Characteristics

■ Economy

The B 9383-18 Disk Storage/Dual Controller Disk-Pack Drive Subsystem includes a dual path controller and five dual disk-pack drives.

The subsystem has a basic capacity of 1.7 billion bytes of storage and may be expanded to a 2.8 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, this drive uses embedded servo information pre-recorded between data sectors to guide the heads on seek operations. Readability 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 is 625,000 bytes per second.

■ 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 9383-18 Disk Storage/Dual Controller

Width: 192 inches – 487.7 cm
Depth: 34 inches – 86.4 cm
Height: 61 inches – 154.9 cm
Weight: 4660 pounds – 2118.1 kg

■ B 9484-8 Dual Drive Increment

Width: 32 inches – 81.3 cm
Depth: 34 inches – 86.3 cm
Height: 61 inches – 154.6 cm
Weight: 850 pounds – 386.3 kg



B 9974-7 Disk Pack for B 9383-18 Subsystem Drive.