Burroughs

B 9384 Disk-Pack Drive Subsystem With Head-Per-Track Compatibility

B9384-6

Burroughs B 9384 Disk-Pack Drive Subsystem's intelligent controller enables all system software, program product development aids, program product conversion aids and application program products, currently released for B 4700/B 3700/B 2700 Systems with head-per-track disk, to be run without any modification.

The B 9384 is an ideal batch or on-line storage and retrieval unit for installations in which performance and economy are especially important considerations. It combines low cost-per-character mass storage capabilities with transfer rates and access times rivaling higher priced devices.

The B 9384 engineering advances, combined with rigorous quality control in manufacturing, assure reliability.

General Characteristics

- **Flexibility**

  The B 9384 disk-pack drives and controllers can be field retrofitted from a head-per-track compatibility environment to a true B 9383 disk-pack drive subsystem at full capacity of 174.4MB per dual drive. The B 9974-4 disk packs need only be reinitialized and verified on the B 9383 disk-pack drive subsystem.

- **Modularity**

  The B 9384 subsystem can expand from 129.5MB to 1,036MB in economical 129.5 MB increments.
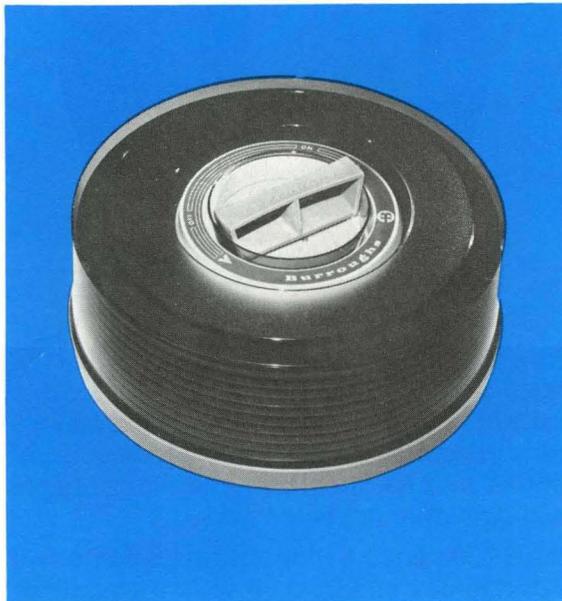
- **Compactness**

  The subsystem requires considerably less floor space than head-per-track disk units, and substantially reduces the physical installation site requirements.

- **Economy**

  Users with large data bases will find the B 9384 subsystem's cost-effectiveness particularly appealing in comparison to head-per-track disk storage.

- **Compatibility**

  Design similarity between the B 9384 and other Burroughs installation-proven disk-pack drive subsystems optimizes ease of use and maintainability.

B 9974-4 Disk Pack for all B 9384 Subsystem Drives

System Hardware Components

B 9384-6 Head-Per-Track (HPT) Compatible Disk-Pack Drive/Single Controller (129.5MB).
Combination (1 x 1) controller and one dual drive.

B 9384-7 HPT Compatible Disk-Pack Drive/Dual Controller (129.5MB).
Combination (2 x n) controller and one dual drive (expandable to 2 x 4 dual drives).

B 9384-8 HPT Compatible Disk-Pack Drive/Dual Controller (647.5MB).
Combination (2 x n) controller and five dual drives (expandable to 2 x 8 dual drives).

B 9388-2 HPT Compatible Dual Drive Increment (129.5MB) (for B 9384-7 and B 9384-8 only).

B X304 Disk-Pack Drive Control
B 9384 Disk-Pack Drive Subsystem interface to B 4700/B 3700/B 2700 Systems.

System Software Program Products

B 9484-6 HPT Compatible Controller for B 9384-6.
B 9484-7 HPT Compatible Controller for B 9384-7 and B 9384-8.

Operating Characteristics

- **B 9388-2 HPT Compatible Dual Drive Increment**

Capacity:	129.5MB per dual drive.
Segment Size:	100-byte sectors.
Seek Time:	30 ms.
Latency:	12.5 ms.
Transfer Rate:	320KB per second.
Recording Density:	4400 BPI.

Physical Characteristics

- **Controller (Single or Dual)**

Width:	32 inches—81.3 cm
Depth:	34 inches—86.3 cm
Height:	60.5 inches—153.7 cm
Weight:	Single—240 pounds—109.1 kg
	Dual —410 pounds—186.3 kg

- **Dual Drive**

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

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