RC 8251/52
Disc Storage Modules

- INTERCHANGEABLE DISC PACKS
- FORMATTED DISC PACKS
- SEEK OVERLAP CAPABILITY
- LOW ACOUSTIC NOISE LEVEL

GENERAL

The RC 8251/52 Disc Storage Modules are random access mass storage devices. The storage medium is a stack of magnetic coated discs with a protective cover plate in each end of the stack. The RC 8251 has 33 Mbytes (8-bit bytes) available for data and the RC 8252 66 Mbytes. The devices are free standing and they can be connected to RC 8000 as well as to RC 3600.

CHARACTERISTICS

Both the RC 8251 and the RC 8252 use disc packs with 6 magnetic coated surfaces. Of these 6 surfaces one is used for positioning purposes and 5 for data storage. The units have one read/write head per data storage surface and one read head for the positioning surface.

The average access time - latency and positioning - is 50 ms. Seek overlap capability, channel program control, error detection and correction and automatic positioning check are standard features.

The RC 8251/52 Disc Storage Modules are connected to RC 8000 via the RC 8201 Disc Storage Channel or to RC 3600 via the RC 3789 Disc Storage Channel. Combinations of up to 4 Disc Storage Modules can be daisy-chained to a system using one Disc Storage Channel.

SPECIFICATIONS

	RC 8251	RC 8252
Total capacity (8-bit bytes):	33 Mbytes	66 Mbytes
Number of cylinders:	411	823
Number of surfaces:	5	5
Bit density:	4038 bits/inch - outer track 6038 bits/inch - inner track	
Record mode:	MFM	
Transfer rate:	1.2 Mbytes/sec.	
Average latency:	8.33 ms	
Head positioning:	adjecent tracks: 18 ms outer to inner track: 66 ms average: 41 ms	
Power supply:	220 V, 50 Hz, 16 A fuse, single phase, 720 W running	
Temperature, ambient:	16 - 27 ^{o}C	
Humidity, relative:	20 - 80%, non-condensing	
Heat dissipation:	600 kcal/h	
Mounting:	free standing	

DIMENSIONS

Height:	86.4 cm (34.0 inches)
Width:	48.9 cm (19.0 inches)
Depth:	85.1 cm (33.5 inches)
Weight:	110 kg (243 lbs)

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