



RC 8251/52/53/54

***Disc Storage
Modules***

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



GENERAL

The RC 8251/52/53/54 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 8251/52/53/54 has 33, 66, 124, 248 Mbytes (8-bit bytes) available for data. The devices are free standing and they can be connected to RC 8000 as well as to RC 3600.

CHARACTERISTICS

The RC 8251 and 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 RC 8253 and RC 8254 use disc packs with 20 magnetic coated surfaces. Of these 20 surfaces one is used for positioning purposes and 19 for data storage. All 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 8251/52/53/54 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. Any combination of up to 4 of the RC 8251/52/53/54 Disc Storage Modules can be daisy-chained via a single RC 8201/RC 3789 Disc Storage Channel.

SPECIFICATIONS

	RC 8251	RC 8252	RC 8253	RC 8254
Total capacity (8-bit bytes)	33 Mbytes	66 Mbytes	124 Mbytes	248 Mbytes
No. of cylinders:	411	823	411	823
No. of surfaces:	5	5	19	19
Bit density:		4038 bits/inch outer track 6038 bits/inch inner track		
Record format:		MFM		
Transfer rate:		1.2 Mbytes/s		
Average latency:		8.33 ms		
Head positioning:		Adjacent tracks 18 ms Average 41 ms Outer to inner track 66 ms		
Heat dissipation:		2521 kJ/h (602 kcal/h, 2390 BTU/h)	4748 kJ/h (1134 kcal/h, 4500 BTU/h)	
Power requirements:		220 V, 50 Hz, 16 A fuse, single phase		
Power consumption:		720 W running	1300 W running	
Mounting:		Free standing		

DIMENSIONS

Height:	86.4 cm (34.0 inches)	92.0 cm (36.2 inches)
Width:	48.9 cm (19.0 inches)	58.4 cm (23.0 inches)
Depth:	85.1 cm (33.5 inches)	91.4 cm (36.0 inches)
Weight:	110 kg (243 lbs)	252 kg (550 lbs)