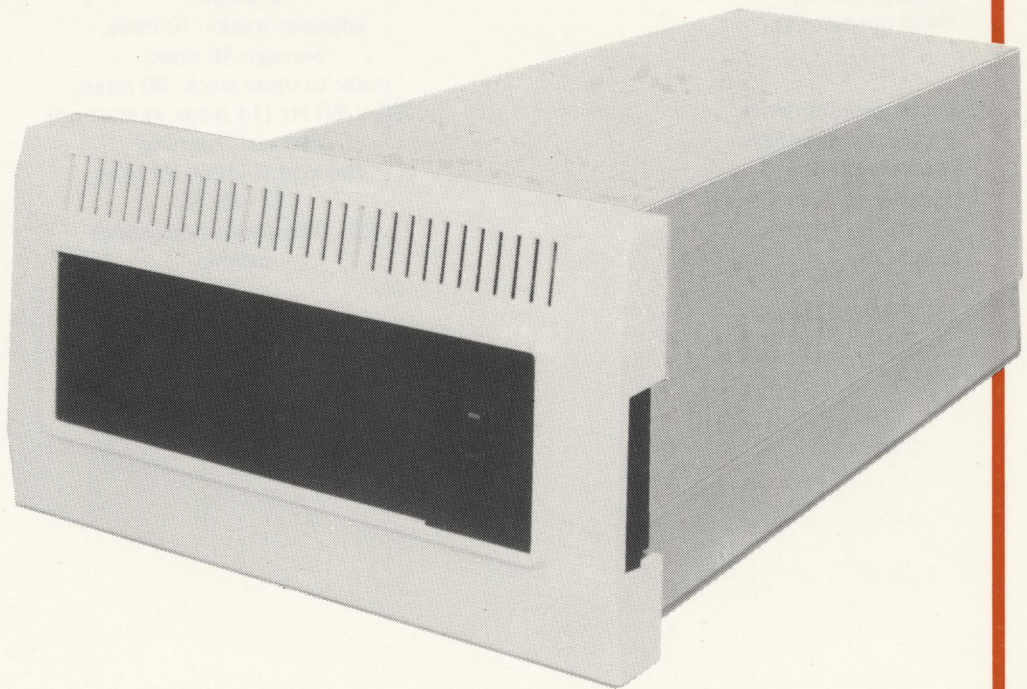




# **RC 8230/33**

## **Fixed Disc Drive**

- **FIXED DISC PACKS**
- **FORMATTED DISC PACKS**
- **SEEK OVERLAP CAPABILITY**
- **CABINET MOUNTING**





## GENERAL

The RC 8230/33 Fixed Disc Drives are random access mass storage devices. Sealed magnetic disc packs which are permanently fixed to the drive are used as storage medium. RC 8230 has 10 Mbytes (1 byte = 8 bits) available for data storage. RC 8233 has 21 Mbytes available for data storage of which 0,8 Mbytes have one head per track giving extra fast data access. The units are for cabinet mounting and they can be connected to RC 8000 as well as to RC 3600.

## CHARACTERISTICS

The RC 8230 10 Mbyte unit uses 1 disc with 2 read/write heads for data on the upper surface. The lower surface has 1 head for positioning purposes.

The RC 8233 21 Mbyte unit uses 3 surfaces on 2 discs. The two adjacent surfaces are used for data and have 2 read/write heads each. Next to the servo head on the lower surface 48 additional read/write heads are placed, providing the head per track feature. The bottom surface is used for positioning purposes.

The average access time - latency and positioning - is 48 msec. for the ordinary data tracks and 8,3 msec. for the head per track area (latency time only). Seek overlap capacity, channel program control, error detection and correction and automatic positioning check are standard features.

The RC 8230/33 Fixed Disc Drives are connected to RC 8000 via the RC 8201 Disc Storage Channel or to the RC 3600 via the RC 3789 Disc Storage Channel. Any combination of up to 4 of the RC 8230/33 Fixed Disc Drives and the RC 8244/45/46/47 Disc Storage Modules can be daisy-chained via a single RC 8201/RC 3789 Disc Storage Channel - except RC 8233 of which only one is allowed per set of 4.

## SPECIFICATIONS

	RC 8230	RC 8233
Total capacity (8-bit bytes):	10 Mbytes	21 Mbytes
Fixed head capacity:	—	0,8 Mbytes
No. of tracks:	640	1328
Bit density:	6125 bits/inch inner track	
Record mode:	MFM	
Transfer rate:	1,2 Mbytes/sec.	
Average latency:	8,3 msec.	
Head positioning:	adjacent tracks: 10 msec. average: 40 msec. outer to inner track: 60 msec.	
Power requirements:	220 V/50 Hz (14 Amp. at start-up)	
Power consumption:	310 watt running	
Heat dissipation:	264 kcal/h (1050 BTU/h)	
Temperature, ambient:	16 - 40 °C	
Humidity, relative:	20 - 80% (non-condensing)	
Mounting:	cabinet	

## DIMENSIONS

Height:	25,9 cm
Weight:	45,4 kg

RC SL 42-i 0958

This datasheet is of a summary nature and specifications are subject to change without prior notice.