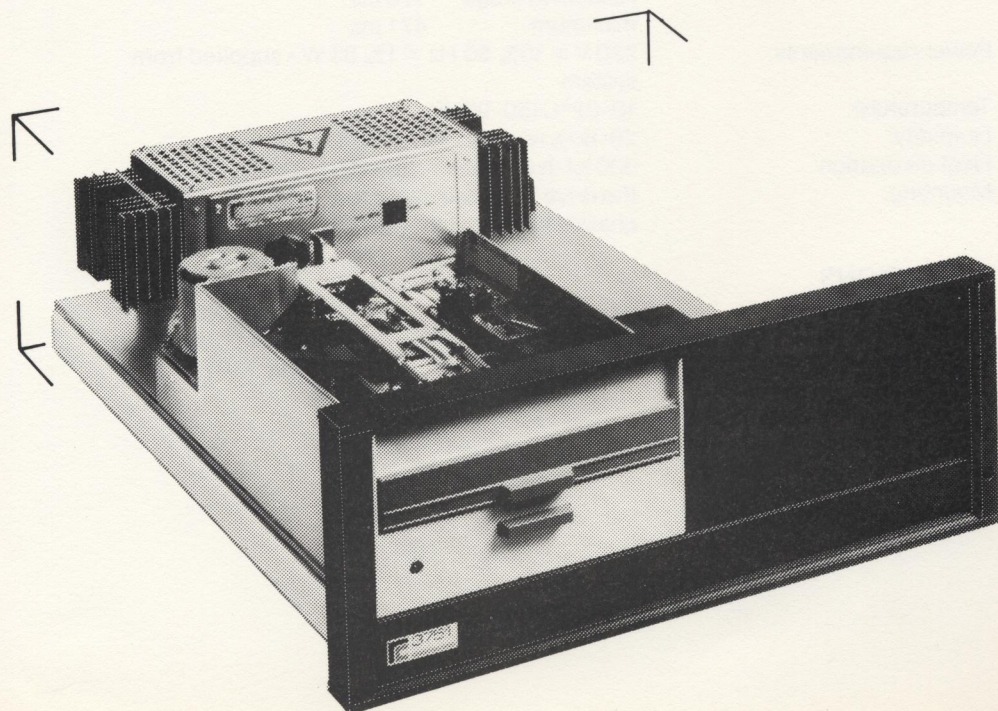




RC 3751

***Flexible
Disc Drive***

- SINGLE OR DOUBLE SIDED DISKETTES
- FULLY IBM MEDIA COMPATIBLE
- DISKETTES EASILY EXCHANGED
- AUTOMATIC LONG-LIFE FEATURES



GENERAL

The RC3751 flexible disc drives are direct access storage devices. The storage medium is a single or double sided diskette (diskettes being similar to, but smaller and more sturdy than usual discs) of which an arbitrary number may be used merely by replacing one with another - an easy action. The choice of on-line storage capacity is from 0.25 to 2 Mbytes per flexible disc channel in increments of 0.25 Mbytes. Further channels can be connected, increasing the possible online capacity in multiples of 2 Mbytes.

The drives are cabinet mounted and can be connected to all of the RC8000 or 3600 systems.

CHARACTERISTICS

The diskettes used with the RC3751 flexible disc drives are standard IBM-formatted diskettes. One read/write head is provided for each single surface. Whether single or double sided diskettes are in use is automatically detected by the disc drive. To prevent unnecessary wear on the equipment two valuable automatic longlife features are included. They are activated by metering the time elapsed after the latest diskette access: - after one second the read/write heads are pulled away from the surface, - after half a minute the rotation of the diskette is stopped.

The RC3751 flexible disc drives are connected to RC systems by means of the RC3787 flexible disc channel. 4 disc drives can be connected using one channel. The channel provides a direct memory access for two drives simultaneously. Each of these two drives can have another drive daisy-chained to itself. The daisy-chained drives access the memory alternately.

Other features of the RC3751/RC3787 flexible disc equipment are: automatic skip of un-serviceable tracks, automatic positioning check, variable sector length, multi-sector capability, error detection, diskette initialization commands, channel program structure.

The disc drives are very easy to operate. The drives are mounted in a chassis. Each chassis can hold two drives (in the case of one drive the other half of the chassis is covered with a panel). The chassis is cabinet mounted.

SPECIFICATIONS

| | | | | |
|---|--|---------------------|----------------------------|----------------------------|
| Storage media: | any single density IBM compatible diskettes | | | |
| Diskette rotation: | 360 rpm | | | |
| Number of tracks: | 75 data/2 spare tracks per side | | | |
| Track density: | 48 tracks/inch | | | |
| Bit density: | 3408 bit/inch-inner track | | | |
| Encoding method: | FM | | | |
| Storage capacity: (IBM-format, 1 byte = 8 bits) | Number of sectors | bytes per sector | single sided (bytes) | double sided (bytes) |
| | 26 | 128 | 249,600 | 499,200 |
| | 15 | 256 | 287,488 | 574,976 |
| | 8 | 512 | 306,432 | 612,864 |
| Transfer rate: | 31,250 bytes/second | | | |
| Average latency: | 83.3 ms | | | |
| Head positioning: | adjacent tracks | 20 ms | | |
| | random average | 173 ms | | |
| | maximum | 471 ms | | |
| Power requirements: | 220 V \pm 10%, 50 Hz \pm 1%, 83 W - supplied from system | | | |
| Temperature: | 10-32°C (50-90°F) | | | |
| Humidity: | 20-80% relative, non-condensing | | | |
| Heat dissipation: | 300 kJ/h (72 kcal/h, 283 BTU/h) | | | |
| Mounting: | the drive is chassis-mounted chassis for 19" cabinet mounting | | | |

DIMENSIONS

| | | |
|---------|------------------|------------------|
| | per 1 drive | per 2 drives |
| Height: | 17.8 cm (7 in.) | 17.8 cm (7 in.) |
| Weight: | 21 kg (46.5 lb.) | 27 kg (58.5 lb.) |