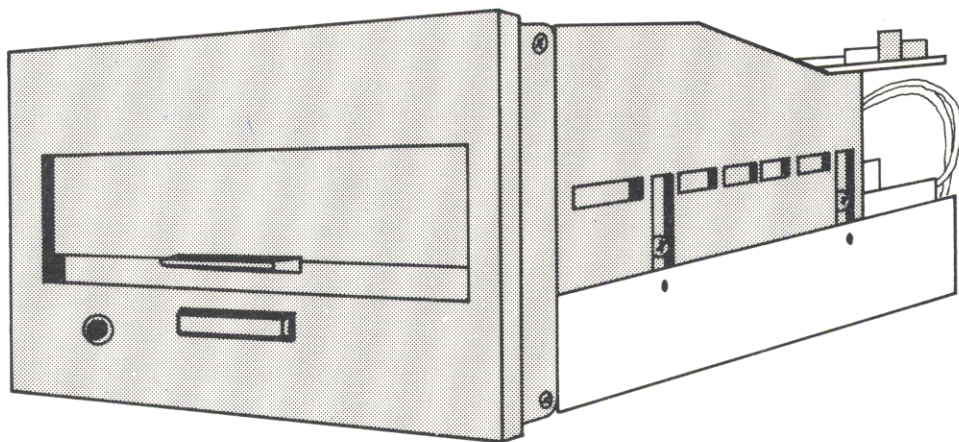




RC 761 Flexible Disc Drives

- **MINI-DISKETTE DISC DRIVE**
- **HANDLING OF ALL STANDARD DISKETTES
(IBM 3740/41/42/43)**
- **DISKETTES EASILY EXCHANGED**
- **AUTOMATIC LONG-LIFE FEATURES**
- **INTEGRAL PART OF THE RC700 SYSTEM**



GENERAL

The RC761 Flexible Disc Drives are direct storage devices. The storage medium is a single or double sided mini-diskette of which an arbitrary number can be used merely by replacing one with another. The choice of on-line storage capacity is either 0.5 M bytes or 1 M bytes per flexible disc channel. The latter is achieved by connecting two drives to one channel. The drives are integral parts of the RC700 Microcomputer Systems and cabinet-mounted with these.

CHARACTERISTICS

The diskettes used are standard mini-diskettes conforming to IBM 3740/41/42/43 standard. The storage capacity of the mini-diskettes is 0.43 M bytes when formatted. 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 long-life features are included: - after one second the read/write heads are pulled away from the surface, - after one minute the rotation of the diskette is stopped. These features are activated by metering the time elapsed after the latest diskette access.

Other features of the RC761 Flexible Disc Drive are: automatic positioning check, multi-sector capability, error detection, channel program structure, handling of differently formatted diskettes.

SPECIFICATIONS

Storage media:	any standard mini-diskette, single or double sided, single or double density, conforming to IBM 3740/41/42/43 standard
Diskette rotation:	300 rpm
Number of tracks:	80
Track density:	48 tracks/inch
Bit density:	5876 bits/inch, inner track
Encoding method:	FM, MFM, M ² FM
Storage capacity:	0.43 M bytes per diskette (double density, double sided), 0.5 M bytes unformatted
Transfer rate:	250 k bits/sec.
Average latency:	100 ms
Head positioning:	adjecent tracks: 5 ms random average: 75 ms
Power requirements:	220 V AC \pm 10%, 50 Hz \pm 1%, 12 W running (6 W stand-by)
Temperature, amb.:	10-35 °C
Humidity:	20-80% relative, non-condensing
Heat dissipation:	43 kJ/h (10 kcal/h)
Mounting:	cabinet-mounted with the RC700 System