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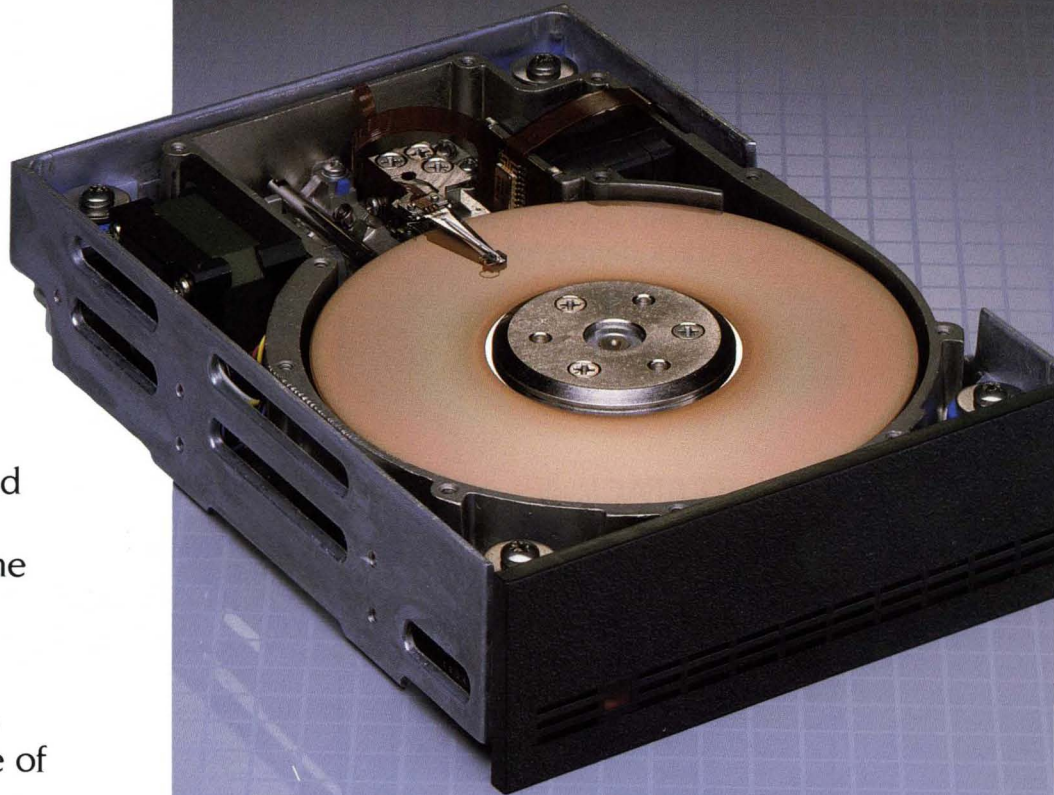
**COMPUTER
MEMORIES**
Incorporated

Half-Height

**25.6 Megabyte
5 1/4" Winchester
Disk Drive**

CM 3426 FEATURES:

- Formatted capacity of 20 megabytes
- Half-Height profile
- Rugged design optimized for desk top and portable applications
- Proven Winchester head and media technology
- Read preamplifiers within the head disk assembly reduce EMI/RFI noise susceptibility increasing data reliability
- Dip switch option and drive selection accessible for ease of setup without tools or disassembly
- Delayed motor start option for low starting currents in multi-drive applications
- Head parking zone
- Mechanical brake to minimize head to media contact



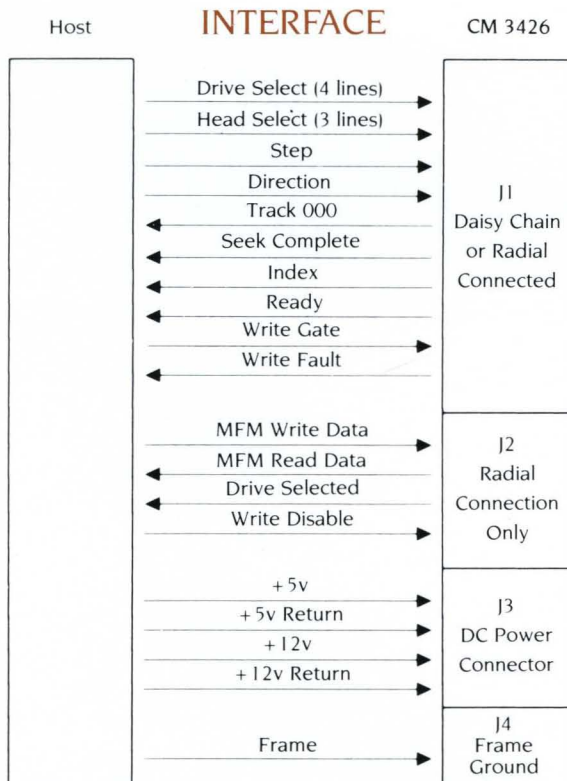
CM 3000 SERIES

CM 3426 Half-Height disk drive product information

Computer Memories offers Winchester disk drives in a half-height, high storage yet low cost package. The CM 3000 is available in a 25.6 Mbyte version with an average access time of 85 msec. Combining Winchester technology proven design techniques with the best in quality and reliability, the OEM is assured that Computer Memories is the right choice.

DC voltage requirements are identical to minifloppy drives so that the same power supplies may be used for both drive types.

The CM 3000 offers technological leadership through the ultimate combination of a high torque precision stepper motor, on-board microprocessor, crystal controlled spindle drive, and high output heads. Utilization of a stepper motor linear band actuator and associated electronics achieves a track density of 606 TPI.



CM 3426

Performance Specifications:

Capacity:	CM 3426
Unformatted:	
Per Drive	25.6 Mbytes
Per Surface	6.39 Mbytes
Per Track	10.4 Kbytes
Formatted:	
Per Drive	20.2 Mbytes
Per Surface	5.04 Mbytes
Per Track	8.2 Kbytes
Per Sector (32 sectors)	256 bytes

Density:

Recording Density	9705 bpi
Track Density	606 tpi
Cylinders	615 per surface
Recording Surfaces	4
Tracks	2460
R/W Heads per Surface	1 per surface
Disks	2

Functional Specifications:

Rotational Speed	3600 rpm
Transfer Rate	5Mbits/sec
Access Time (includes settle time)	
Track to Track	18 ms max
Average	85 ms max
Maximum	170 msec
Average Latency	8.3 msec

Physical Specifications:

Environmental Limits	
Ambient Temperature	39°F to 122°F (4°C to 50°C)
Relative Humidity	8% to 80% non-condensing
Temperature Variation	18°F (10°C) hour
Altitude	10,000 ft. (3050cm)

DC Voltage:

+5V ± 5% .8A typical, 1A max
+12V ± 10% .9A typical, 2.5A max

Mechanical Dimensions:

Height	1.61 in. (40.9 mm)
Width	5.75 in. (146.1 mm)
Depth	8.00 in. (203.2 mm)
Weight	3.35 lbs. (1.52 kg)

Reliability Specifications:

MTBF:	20,000 POH typical usage
PM:	Not required
MTTR:	less than 0.5 hour

Error Rates:	
Soft Read Errors:	1 per 10 ¹⁰ bits read
Hard Read Errors:	1 per 10 ¹² bits read
Seek Errors:	1 per 10 ⁶ seeks

Interface	
Interface	ST/506/412

Computer Memories reserves the right to change specifications without notice.



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