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TEXT,C,55	
CONNER PERIPHERALS IN	NC
CP-3104 SPECIFICATION S	SUMMARY
GENERAL: Embedded Controller/Interfa	ce PC/AT
Capacity (Formatted)	104.9 MB
PHYSICAL CONFIGURATIO Actuator type Number of Disks Data Surfaces Data Heads Servo Tracks per Surface Track Density Track Capacity (formatted) Bytes per Block Blocks per Drive Sectors per Track	DN: Voice-coil 4 8 8 Embedded 776 1150 TPI 16,896 bytes 512 204,864 34 physical 3 accessible
PERFORMANCE: Seek Times (*) Track to Track Average Maximum Average Latency Rotation Speed (+/-1%) Controller Overhead Data Transfer Rate To/from Media Data Transfer Rate To/from Buffer	8 msec 25 msec ** 45 msec 8.4 msec 3575 RPM 1 msec 1.25 MB/sec 3.75/4.75
M Ctart Time Dewart In (0.25	B/Sec
Start Time - Power Op (0-35	15 KPIVI)
Maximum	20 500
Start Time - Power Down	20 360
Typical	15 500
Maximum	20 500
Start/ston Cyclos	10,000 min
Start/Stup Cycles	
	1.1
Buller Size	32K

* = At nominal DC input voltages

**= Average seek time is determined by dividing the total time required to seek between all possible ordered pairs of track addresses by the total

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number of these ordered pairs.

READ/WRITE: Recording Method Recording Density - ID Flux Density - ID (flux reversals per inch	2,7 RLL code 23,441 BPI 15,627
POWER REQUIREMENTS (PC/AT interface typical):	
+12VDC+/-50 R/W Mode 350 m Seek Mode 260 m Idle Mode 175 ma Spin-up Mode 180 m	% +5VDC+/-5% POWER na 300 ma 5.7W na 180 ma 4.0W n 160 ma 2.9W ma 180 ma max n/a
PHYSICAL CHARACTE Physical Dimensions Length Width Weight	ERISTICS: Height 1.625" (41.3mm) 5.75" (146.1mm) 4.00" (101.6mm) 2.0lbs (0.9kg)
ENVIRONMENTAL CHARACTERISTICS: Temperature Operating 5oC to 55oC Non-Operating -40oC to 60oC Thermal Gradient (maximum) 20oC per hour Humidity (non-condensing) Operating 8% to 80% Non-operating 8% to 80% Maximum Wet Bulb 26oC Altitude (relative to sea level) Operating -200 to 10,000 feet	
Non-operating (max.)	40,000 feet
RELIABILITY AND MAI MTBF (POH) MTTR (typical) Preventative Maintenan Component Design Life Data Reliability	NTENANCE: 30,000 hrs 10 minutes ice None 5 years <1 nonrec- overable error in 1012 bits read
SHOCK AND VIBRATION Shock - 1/2 sine pulse	ON:

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Non-operating Shock 50 Gs

Vibration - swept sine, 1 octave per minute
Operating Vibration.010"5 - 27 Hz (double amplitude).010"28 - 500 Hz (peak).25 Gs WNRENon-Operating Vibration.25 Gs WNRE5 - 62 Hz (double amplitude)0.020"63 - 500 Hz (peak)4 Gs

WNRE = Without Non-Recoverable Errors

MAGNETIC FIELD:

The externally induced magnetic flux density may not exceed 6 gauss as measured at the disk surface.

ACOUSTIC NOISE: Acoustic Sound Pressure (max) 40 dBA at 1m