Sheet1

TEXT,C,55 CONNER PERIPHERALS INC CP-3024 SPECIFICATION SUMMARY			
GENERAL: Embedded Controller/Interfa Capacity (Formatted)	ice PC/AT 21.5 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 1 2 2 Embedded 636 1150 TPI 16,896 bytes 512 41,976 33		
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 Start Time - Power Up (0-35 Typical Maximum Start Time - Power Down Typical Maximum Start/stop Cycles Interleave	8 msec 27 msec ** 50 msec 8.4 msec 3575 RPM 1 msec 1.25 MB/sec 4.0 MB/sec 75 RPM) 5 sec 10 sec 20,000 min 1:1		

* = 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 number of these ordered pairs.

READ/WRITE:

Sheet1

			One
Recording Meth Recording Dens Flux Density - II (flux reversals	sity - ID D	2,7 RLL co 12,379 BP 14,396	
POWER REQU (PC/AT interfac			
R/W Mode Seek Mode	230 ma 2 140 ma 1 120 ma 12 1 ma 9 1 ma 7	/DC+/-5% POW 275 ma 4.2W .80 ma 2.8W 0 ma 2.0W 90 ma 0.5 W 7 ma 0.4 W 180 ma n/a	VER
	sions Heig Length 5.	ht 1.00" (25.4 75" (146.1mm) 00" (101.6mm)	4mm)
ENVIRONMENT Temperature Operating Non-Operating Thermal Gradie Humidity (non-co Operating Non-operating Maximum Wet Altitude (relative Operating Non-operating) nt (maximum) condensing) Bulb to sea level) 10,	5oC to 55oC -40oC to 600	per hour
RELIABILITY A MTBF (POH) MTTR (typical) Preventative Ma Component Des Data Reliability	aintenance sign Life overa	ANCE: >50,000 hrs 10 minutes None 5 years <1 nonrec- ble error in bits read	
SHOCK AND V Shock - 1/2 sine Operating Sho Non-operating	e pulse ock	5 Gs WNRE 75 Gs	Ξ

Sheet1

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