

Atlas™ I

Specifications

	XP31070	XP32150	XP34300
Form Factor	3.5 Inch		
Interface			
Fast SCSI-2	50-pin connector		
Fast Wide SE SCSI-2	68-pin connector		
Fast Wide Differential SCSI-2	68-pin connector		
Fast Wide SE SCSI-2	80-pin SCA		
Formatted Capacity(Bytes):	1,075,138,560	2,150,277,120	4,300,554,240

Disk Drive Configuration

Disks	3	5	10
Heads	5	10	20
Tracks per surface	3,832		
Sectors per track	80 to 134		
Bytes per sector	512		
Track density(tpi)	3,858		
Recording density(bpi)	81,765		
Areal density(Mb/sq in)	315		
Encoding method	RLL (1,7)		

Performance Specifications

Average seek(ms)	8.5
Rotational speed(rpm)	7,200
Avg. rotational latency(ms)	4.17
Internal Data Rate(Mb/sec)	49.1 to 82.1
Cache buffer size(KB)	1,024

Reliability Specifications

Projected MTBF(hours)	800,000
Preventative maintenance	None
Error correction method	Reed Solomon
Warranty (years)	5

Physical Specifications

Dimensions - inches (mm)

Width	4.0 (101)		
Length	5.75 (146)		
Height	1.0 (25.4)	1.0 (25.4)	1.63 (41.4)
Weight - pounds (kg)	1.12 (0.51)	1.21 (0.55)	2.0 (0.9)

Environmental Limits

Operating

Temperature(°C)	5 to 55		
Shock(G, 10ms)	10		
Vibration(G, 22Hz to 400Hz)	0.5		
Non-condensing Humidity(%)	10 to 90		
Typical Audible Noise (dba @ 1m, any direction, idle)	32	34	36

Non-Operating

Temperature(°C)	40 to 66		
Non-condensing Humidity(%)	5 to 95		

Power Specifications

Power Requirements

+5vdc ±5% Seeking (A,typ)	0.6	0.6	0.5
+12vdc ±5% Seeking (A,typ)	0.5	0.6	1.0
Typical Power Draw (W) Idle	7.6	9.0	12.0
Seek	9.9	10.2	14.1