

TEXT,C,55

MK1422FCV

SPECIFICATIONS AND CHARACTERISTICS

Functional characteristics

Data storage capacity	
Per Drive (formatted)*	86 MB
Per Track (formatted)	28672bytes
Data surfaces	2
Cylinders	1501
User sectors/track	56
(*512 bytes/sector)	
Rotational Speed	3600 RPM±1%
Data Transfer Rate	
Buffer to host	6.5 Mbytes/s
Internal	17.6Mbits/s

Seek Time

Track to track	3 ms
Average	15 ms
Maximum	25 ms
Average latency	8.3 ms

Interface

Type	ATA (AT IDE)
Buffer	32 KB

Recording characteristics

Flux density	51,903 FRI
Bit density	69,204 BPI
Track density	2,910 TPI

Nominal Power Requirements

Voltage	5V +5/-8%
Sleep	0.15 watts
Standby	0.3 watts
Reading/Writing	1.8 watts
Seeking	1.8 watts

Physical & Environmental Specifications:

Dimensions

Height	12.7mm(0.5")
Width	70mm (2.76")
depth	100mm(3.94")
Weight	140g(4.8Oz)

Ambient temperature:

Operating	5ø to 55øC (41 to 131øF)
Non-operating	-20 to 60øC (-4 to 140øF)

Vibration and shock

Operating	0.5 G vibration
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	10.0 G shock
Non_operating	100 G shock
Acoustic Noise	<40 dBA
Reliability characteristics	
MTBF	150000 power on hours
Error Rates	
Unrecoverable	1 in 10,000,000,000,000
Seek	1 in 1,000,000