

marathon SL

2.5^{INCH FAMILY}

*Fast ATA and
Fast ATA-2 Interfaces*



- *Slim line design*
- *Low power dissipation for long battery life*
- *High performance for personal productivity*
- *SafeRite™ technology yields 100 Gs operating shock resistance*
- *Whisper-quiet operation*
- *Reliability built in to last*

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For additional information, please call 408/438-8111.



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Fast ATA and
Fast ATA-2 Interfaces



	ST9240AG Marathon 210sl	ST9300AG Marathon 260sl	ST9420AG Marathon 420sl
Capacity			
Formatted Mbytes (512 bytes/sector)	210.4	262.1	420.8
Interface			
	Fast ATA	Fast ATA	Fast ATA-2
Performance			
Internal Transfer Rate, ZBR (Mbits/sec)	up to 29.7	up to 29.7	up to 44
External Transfer Rate (Mbytes/sec)	up to 13.3	up to 13.3	up to 16.6
Cache Buffer (Kbytes)	120	120	120
Track-to-Track Seek (msec)	6	6	6
Average Seek (msec)	16	16	16
Maximum Seek (msec)	26	26	26
Spindle Speed (RPM)	3,980	3,980	4,500
Average Latency (msec)	7.54	7.54	6.67
Configuration/Organization			
Sectors per Drive	411,008	512,100	822,016
Default Logical Organization			
Sectors per Track	52	60	52
Read/Write Heads	8	15	16
Cylinders	988	569	988
Reliability and Data Integrity			
MTBF (power on hours)	300,000	300,000	300,000
Auto-Park	yes	yes	yes
CSS	50,000	50,000	50,000
Limited Warranty (yrs)	3	3	3
Power Requirements			
+5 VDC (+5%, -10%) Spin-up amps (RMS typ)	0.6	0.6	0.66
Power Management (RMS watts typ)			
Seeking	1.7	1.7	1.9
Read/Write	1.7	1.7	1.95
Idle	0.73	0.73	0.9
Standby	0.16	0.16	0.25
Sleep	0.1	0.1	0.15
Environmental			
Operating shock with no physical damage (Gs)	100	100	100
Nonoperating shock with no physical damage or performance degradation, 2mS (Gs)	250	250	300
Operating Temperature (°C)	5 to 55	5 to 55	5 to 55
Nonoperating Temperature (°C)	-40 to 70	-40 to 70	-40 to 70
Physical			
Height (inches/mm)	0.49/12.7	0.49/12.7	0.504/12.7
Width (inches/mm)	2.76/70.1	2.76/70.1	2.76/70.1
Depth (inches/mm)	4.01/101.9	4.01/101.9	4.01/101.9
Weight (oz/kg)	5.4/0.154	5.4/0.154	5.7/0.162
Capacity calculated at 1 Mbyte = 1 million bytes			