marathon
2.5 INCH FAMILY

Fast ATA Interface

- *High capacity options*
- *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*

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

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Fast ATA Interface

	ST9385AG Marathon 340	ST9655AG Marathon 520	ST9816AG Marathon 810
Capacity			
Formatted Mbytes (512 bytes/sector)	341	524	810
Interface			
	Fast ATA	Fast ATA	Fast ATA-2
Performance			
Internal Transfer Rate, ZBR (Mbits/sec)	up to 27.2	up to 28.2	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	666,876	1,024,128	1,583,568
Default Logical Organization			
Sectors per Track (max)	51	63	63
Read/Write Heads (max)	16	14	16
Cylinders (max)	934	1,016	1,571
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			
Power Management (watts typ)			
Seeking	1.5	1.8	1.9
Read/Write	1.5	1.92	2.1
Idle	0.9	0.9	1.0
Standby	0.3	0.3	0.25
Sleep	0.28	0.23	0.2
Environmental			
Operating shock with no physical damage (Gs)	100	100	100
Nonoperating shock with no physical damage			
or performance degradation, 2mS (Gs)	150	150	250
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)	0.754/19	0.754/19	0.754/19
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)	7.4/0.21	7.4/0.21	7.4/0.21

Capacity calculated at 1 Mbyte = 1 million bytes

Seagate