

## Momentus 5400.3

2.5-inch storage for mainstream notebook PCs



The Freedom of Mobility and Enhanced Productivity with 5400-RPM Performance

### 160, 120, 100, 80, 60 and 40GB • 5400-RPM Performance • 2.5-Inch Notebook

### Key Advantages

- Nearly 50 percent more performance than systems with 4200-RPM drives
- 4200-RPM-like battery consumption enables higher productivity.
- Robust design and high shock tolerance enable mobility in rugged notebook operating environments.
- 350 Gs of operating shock and 900 Gs of nonoperating shock make the drive ideal for notebook PCs and industrial applications.

### **Best-Fit Applications**

- Mainstream notebook PCs
- Tablet PCs
- External 2.5-inch drives
- MP3 players
- · Printers and copiers







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### 2.5-inch storage for mainstream notebook PCs

#### Seagate Makes the Best Even Better With a 5-Year Warranty

Seagate<sup>®</sup> offers the industry's leading warranty to demonstrate our commitment to product reliability and our customers' success. Every Seagate internal hard drive for PCs, notebook computers and entry-level servers is covered under our unprecedented five-year warranty.

Seagate 5-Year Warranty

Momentus 5400.3 is the first Seagate product to utilize perpendicular recording technology. This innovative technology enables Seagate to deliver the industry's highest capacity of 160GB in a single, 2.5-inch disc drive without sacrificing best-in-class features.

### **World-Class Technical Support**

- Certified, experienced support staff
- Rated "Above Average to Excellent" by 95
  percent of our customers
- Support lines with the shortest wait times in the industry
- Individually archived case histories for quick reference
- Web-based Q&A forum and autoreply e-mail
- Seagate Design Service Centers (DSC) help companies transform innovative ideas into viable products.

www.seagate.com 1-800-732-4283 (1-800-SEAGATE)

<b>Specifications</b>	160GB <sup>1</sup>	120GB1	100GB <sup>1</sup>	80GB <sup>1</sup>	60GB <sup>1</sup>	40GB <sup>1</sup>
	ST9160821A	ST9120822A	ST9100828A	ST980815A	ST960815A	ST940815A
Model Number	Ultra ATA/100					
Interface (Mbytes/sec)	UIII'a AIA/100	UILTA ATAV TUU	UIII'a AIAV 100	UILI'A ATAV TUU	UILI'A AIAV TUU	UILTA ATAV TUU
Performance						
Transfer Rate						
Sustained Internal (Mbytes/sec)	44	44	44	44	44	44
Maximum External (Mbytes/sec)	100	100	100	100	100	100
Cache, Multisegmented (Mbytes)	8	8	8	8	8	8
Average Seek (msec)	12.5	12.5	12.5	12.5	12.5	12.5
Average Latency (msec)	5.6	5.6	5.6	5.6	5.6	5.6
Performance Level	5400	5400	5400	5400	5400	5400
Configuration/Organization						
Discs/Heads	2/4	2/3	2/3	1/2	1/2	1/1
Bytes per Sector	512	512	512	512	512	512
Logical CHS	92,049/16/63	92,049/16/63	92,049/16/63	92,049/16/63	92,049/16/63	92,049/16/63
Recording Method	Perpendicular	Perpendicular	Perpendicular	Perpendicular	Perpendicular	Perpendicula
Reliability/Data integrity						
Head-Rest Method	QuietStep™ Ramp Load	QuietStep Ramp Load	QuietStep Ramp Load	QuietStep Ramp Load	QuietStep Ramp Load	QuietStep Ramp Load
Load/Unload Cycles	>600,000	>600,000	>600,000	>600,000	>600,000	>600,000
Nonrecoverable Read Errors per Bits Read	1 per 10 <sup>14</sup> bits read					
Power Management						
Startup Current 5v (amps max)	1.0	1.0	1.0	1.0	1.0	1.0
Power Mgmt (watts) Seek	2.0	2.0	2.0	2.0	2.0	2.0
Read/Write	2.0/1.8	2.0/1.8	2.0/1.8	2.0/1.8	2.0/1.8	2.0/1.8
Idle/Standby	0.8/0.2	0.8/0.2	0.8/0.2	0.8/0.2	0.8/0.2	0.8/0.2
Environmental	0.0/012	0.0/0.L	5.5/ U.L	5.5/ 0.E	0.0/0.L	5.5/0.L
Temperature, Operating (°C)	0 to 60					
Temperature, Nonoperating (°C)	-40 to 70					
Shock, Operating: 2 msec (Gs)	350	350	350	350	350	350
Shock, Nonoperating: 1 msec (Gs)	900	900	900	900	900	900
Acoustics (bels—sound power)						
Idle	2.3	2.3	2.3	2.3	2.3	2.3
Performance Seek	2.9	2.9	2.9	2.9	2.9	2.9
Physical						
Height (in/mm)	.374/9.5	.374/9.5	.374/9.5	.374/9.5	.374/9.5	.374/9.5
Width (in/mm)	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85
Depth (in/mm)	3.945/100.2	3.945/100.2	3.945/100.2	3.945/100.2	3.945/100.2	3.945/100.2
Weight (lb/g)	.22/102	.22/102	.22/102	.22/98	.22/98	.22/98

<sup>1</sup> One gigabyte, or GB, equals one billion bytes when referring to hard drive capacity.

AMERICAS Seagate Technology LLC 920 Disc Drive, Scotts Valley, California 95066, United States, 831-438-6550 ASI/PACIFIC Seagate Technology International Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888 EUROPE, MIDDLE EAST AND AFRICA Seagate Technology SA 100-136, rue de Silv, 92773 Soulogne-Bilancourt Cedex, France, 331-414 86 10 00

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