

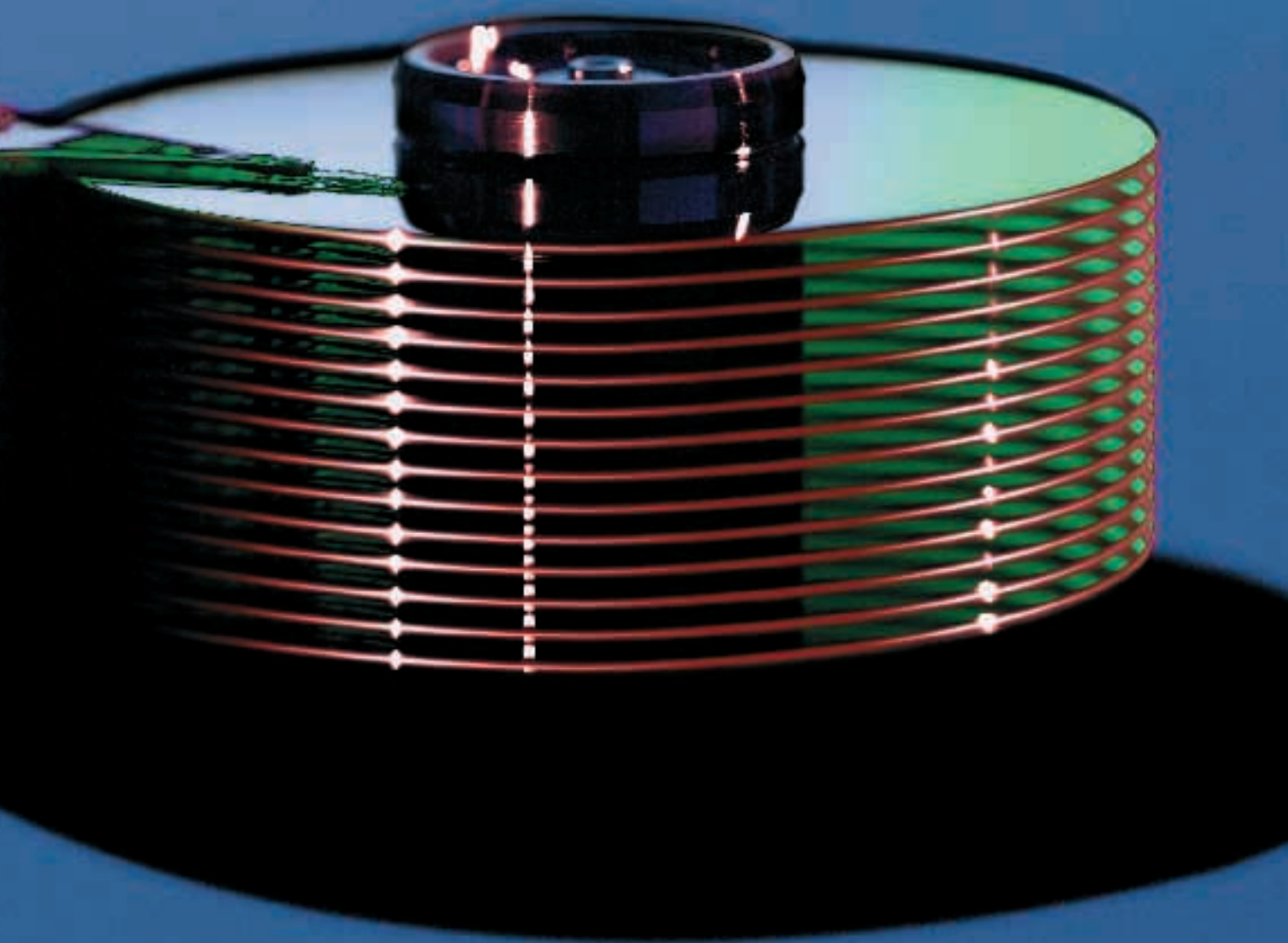
**Elite**

**23-Gbyte  
capacity  
disc drives**

**5.25  
INCH**

High  
Capacity  
Storage  
Systems

 **Seagate**



8- and 16-bit  
Ultra SCSI  
Interface

**Maximum capacity and performance for high-end applications ranging from workstations to supercomputers**

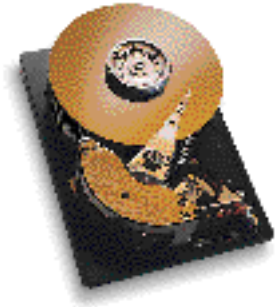
Industry's highest performance  
5.25-inch discs

Five year limited warranty

Ultra SCSI interface

23.2 Gbytes formatted capacity

5,400-RPM spindle speed reduces average latency to 5.56 msec



**New**

**ST423451N  
ST423451W  
ST423451WD  
Elite 23**



**Capacity and Interface**

Formatted Gbytes (512 bytes/sector)  
Interface

23.20  
Ultra SCSI  
(8-bit and  
16-bit)

**Performance**

Internal Transfer Rate, ZBR (Mbits/sec)  
External Transfer Rate, 8/16 (Mbytes/sec)  
Multisegmented Cache (Kbytes)  
Track-to-Track Seek, Read/Write (msec)  
Average Seek, Read/Write (msec)  
Maximum Seek, Read/Write (msec)  
Average Latency (msec)  
Spindle Speed (RPM)

86 to 124  
20/40  
2,048  
1.1/2.1  
13/14  
28  
5.56  
5,400

**Configuration/Organization**

Discs/Data Surfaces  
Servo  
Sectors per Drive (512 bytes/sector)  
Cylinders  
Recording Method

14/28  
Embedded  
45,322,644  
6,876  
PRML (0,4,4)

**Reliability/Data Integrity**

MTBF (power-on hours)  
Recoverable Read Errors per Bits Read  
Nonrecoverable Read Errors per Bits Read  
Seek Errors (per seek)  
Limited Warranty (years)

800,000  
10 per 10<sup>11</sup>  
10 per 10<sup>14</sup>  
10 per 10<sup>8</sup>  
5

**Power Requirements**

DC, Typical/Idle (watts)

24.1/22.8

**Environmental**

Operating Temperature (°C)

5 to 50

**Physical**

Height (inches/mm)  
Width (inches/mm)  
Depth (inches/mm)  
Weight (lbs/kgs)

3.25/82.6  
5.75/146.1  
8.0/203.2  
7.0/3.2

Capacity calculated with typical sparing. Sparing is user-optional.



Corporate Headquarters

Asia/Pacific

Europe, Africa, Middle East

**Seagate Technology** 920 Disc Drive, Scotts Valley, California 95066, 408/438-6550

**Seagate Technology International** 202 Kallang Bahru, Singapore 339339, 65/292-6266

**Seagate Technology** 62 bis, avenue André Morizet, 92643 Boulogne-Billancourt Cedex, France 33 1 41 86 10 00

Seagate, Seagate Technology and the Seagate logo are registered trademarks of Seagate Technology, Inc.  
©1997 Seagate Technology, Inc. All rights reserved.  
Specifications and product offerings subject to change without notice. Printed in USA.

Publication number 1426-014



Printed on recycled paper