

Marathon SL

Fast ATA-2 Interface



**ST91420AG
Marathon
1420sl**



**ST92130AG
Marathon
2130sl**

Capacity and Interface

Formatted Gbytes (512 bytes/sector)
Interface

1.441

2.163

Fast ATA-2

Fast ATA-2

Performance

Internal Transfer Rate (Mbits/sec)
External Transfer Rate (Mbytes/sec)
Multisegmented Cache (Kbytes)
Average Seek (msec)
Average Latency (msec)
Spindle Speed (RPM)

up to 71.3

up to 71.3

up to 16.6

up to 16.6

103

103

12

12

6.65

6.65

4,508

4,508

Configuration/Organization

Discs
Read/Write Heads
Bytes per Sector

2

3

4

6

512

512

Logical Geometry

Sectors per Track
Read/Write Heads
Cylinders

63

63

16

16

2,794

4,191

Reliability/Data Integrity

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

350,000

350,000

1 per 10¹³

1 per 10¹³

3

3

Power Requirements

Power Management (watts)
Seek
Read/Write
Idle
Standby
Sleep

2.5

2.5

2.5

2.5

1.0

1.0

0.3

0.3

0.1

0.1

Environmental

Operating Shock (Gs)
Nonoperating Shock (Gs)
Operating Temperature (°C)
Nonoperating Temperature (°C)
Acoustics, Idle (Bels/dBa)

125

125

350

350

5 to 60

5 to 60

-40 to 70

-40 to 70

3.5/24

3.5/24

Physical

Height (in/mm)
Width (in/mm)
Depth (in/mm)
Weight (oz/gm)

0.5/12.5

0.5/12.5

2.76/70

2.76/70

3.95/100.45

3.95/100.45

5.64/160

5.82/165

Capacity calculated at 1 Gbyte = 1 billion bytes



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Publication number 1410A-011