

MEDALIST PRO

3.5 INCH

AFFORDABLE STORAGE CAPACITY FOR
DESKTOP PCs, SERVERS, WORKSTATIONS
AND ARRAYS

4.5- TO 9.1-GBYTE DISC DRIVES



MEDALIST PRO

SEAGATE'S FIRST 7,200-RPM ULTRA ATA HARD DRIVES FOR PERFORMANCE-RICH DESKTOP PCS

- Seek times as fast as 9.5 msec and spindle speed of 7,200 RPM
- New hydrobearing motor design for increased reliability and quiet operation
- Burst data-transfer rates up to 33.3 Mbytes per second with Ultra ATA
- Ships with Seagate's exclusive SeaShield™ and DiscWizard™ features
- 400,000-hour MTBF and 3 year limited warranty



ST34520A*
Medalist™ Pro
4520



ST36530A
Medalist Pro
6530



ST39140A
Medalist Pro
9140

CAPACITY AND INTERFACE

Formatted Gbytes (512 bytes/sector)
Interface

4.5	6.5	9.1
Ultra ATA	Ultra ATA	Ultra ATA

PERFORMANCE

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

up to 194	up to 194	up to 194
up to 33.3	up to 33.3	up to 33.3
>11.5	>11.5	>11.5
512	512	512
2.0	2.0	2.0
9.5/10.5	9.5/10.5	9.5/10.5
4.16	4.16	4.16
7,200	7,200	7,200

CONFIGURATION/ORGANIZATION

Discs/Read-Write Heads
Physical Cylinders per Drive
Bytes per Sector
Logical CHS
Recording Method

2/4	3/6	4/8
9,006	9,006	9,006
512	512	512
9,408/15/63	13,456/15/63	16,383/16/63
EPRML (16,17)	EPRML (16,17)	EPRML (16,17)

RELIABILITY/DATA INTEGRITY

MTBF (power-on hours)
Contact Start-Stops
SeaShield
S.M.A.R.T. Capable
Nonrecoverable Errors per Bits Read
Service Life/Limited Warranty (years)

400,000	400,000	400,000
30,000	30,000	30,000
Yes	Yes	Yes
Yes	Yes	Yes
1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴
5/3	5/3	5/3

POWER REQUIREMENTS

+12 VDC ± 5% (amps max)
+5 VDC ± 5% (amps max)
Power Management (watts)
Seek
Read/Write
Idle
Standby

2.5	2.5	2.5
0.38	0.38	0.38
13.0	13.0	13.0
11.0	11.0	11.0
11.0	11.0	11.0
3.0	3.0	3.0

ENVIRONMENTAL

Operating Shock @ 11 msec (Gs)
Nonoperating Shock @ 2 msec (Gs)
Operating Temperature (°C)
Nonoperating Temperature (°C)
Acoustics, Idle (bels)

10	10	10
200	200	200
5 to 55	5 to 55	5 to 55
-40 to 70	-40 to 70	-40 to 70
3.9	3.9	3.9

PHYSICAL

Height (in/mm)
Width (in/mm)
Depth (in/mm)
Weight (lb/kg)

1/25.4	1/25.4	1/25.4
4/101.6	4/101.6	4/101.6
5.75/146.1	5.75/146.1	5.75/146.1
1.5/68	1.5/68	1.5/68

SOFTWARE

Bundled Software

DiscWizard	DiscWizard	DiscWizard
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Capacity calculated at 1 Gbyte = 10⁹ bytes.

* Limited availability

CORPORATE HEADQUARTERS
ASIA/PACIFIC
EUROPE, AFRICA, MIDDLE EAST

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Publication Number 1501-001

