

FORMATTED CAPACITIES
OF 3.2 TO 13.6 GBYTES

Medalist

**High-capacity disc drives
with excellent performance
for desktop PCs**

- 5,400-RPM
- 9.5 msec average seek read
- Up to 512K cache buffer
- Fast data-transfer rates with Ultra ATA interface
- Ships with Seagate's exclusive SeaShield System for reliability and data integrity
- Ships with Seagate's acclaimed DiscWizard installation software
- Leading acoustic performance for quiet desktop operation



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- Includes Seagate's acclaimed DiscWizard installation software



	New ST33210A Medalist 3210	New ST36422A Medalist 6422	New ST38630A Medalist 8630	New ST310230A Medalist 10230	New ST313640A Medalist 13640
CAPACITY AND INTERFACE					
Formatted Gbytes (512 bytes/sector) Interface	3.2 Ultra ATA	6.4 Ultra ATA	8.6 Ultra ATA	10.2 Ultra ATA	13.6 Ultra ATA
PERFORMANCE					
Maximum Internal Transfer Rate (Mbits/sec)	172	172	172	172	172
Maximum External Transfer Rate (Mbytes/sec)	33.3	33.3	33.3	33.3	33.3
Average Sustained Transfer Rate (Mbytes/sec)	>8	>8	>8	>8	>8
Multisegmented Cache (Kbytes)	256	256	512	512	512
Average Seek, Read (msec)	9.5	9.5	9.5	9.5	9.5
Average Latency (msec)	5.56	5.56	5.56	5.56	5.56
Spindle Speed (RPM)	5,400	5,400	5,400	5,400	5,400
CONFIGURATION/ORGANIZATION					
Discs/Heads	1/2	2/4	3/6	3/6	4/8
Bytes per Sector	512	512	512	512	512
Logical CHS	6,296/16/63	13,228/15/63	16,383/16/63	16,383/16/63	16,383/16/63
Recording Method	EPRML (16/17)	EPRML (16/17)	EPRML (16/17)	EPRML (16/17)	EPRML (16/17)
RELIABILITY/DATA INTEGRITY					
Contact Start-Stops (40°C)	40,000	40,000	40,000	40,000	40,000
SeaShield System	Yes	Yes	Yes	Yes	Yes
S.M.A.R.T. Capable	Yes	Yes	Yes	Yes	Yes
Nonrecoverable Read Errors per Bits Read	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴
Service Life/Limited Warranty (years)	5/3	5/3	5/3	5/3	5/3
POWER REQUIREMENTS					
+12 VDC ± 10% (amps max)	1.8	1.8	1.8	1.8	1.8
+5 VDC ± 5% (amps max)	0.6	0.6	0.6	0.6	0.6
Power Management (watts) Seek	8.4	8.4	8.4	8.4	8.4
Read/Write	5.6	5.6	5.6	5.6	5.6
Idle	4.5	4.5	4.5	4.5	4.5
Standby	1.0	1.0	1.0	1.0	1.0
ENVIRONMENTAL					
Operating Temperature (°C)	5 to 55	5 to 55	5 to 55	5 to 55	5 to 55
Nonoperating Temperature (°C)	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70
Operating Shock @ 11 msec (Gs)	15	15	15	15	15
Nonoperating Shock @ 2 msec (Gs)	200	200	200	200	200
Acoustics, Idle (Bels—sound power)	3.4	3.4	3.4	3.4	3.4
(dBA—sound pressure)	28	28	28	28	28
PHYSICAL					
Height (in/mm)	1.0/25.4	1.0/25.4	1.0/25.4	1.0/25.4	1.0/25.4
Width (in/mm)	4.0/101.6	4.0/101.6	4.0/101.6	4.0/101.6	4.0/101.6
Depth (in/mm)	5.75/146.1	5.75/146.1	5.75/146.1	5.75/146.1	5.75/146.1
Weight (lb/kg)	1.4/0.62	1.4/0.62	1.4/0.62	1.4/0.62	1.4/0.62

Capacity calculated at 1 Gbyte = 10⁹ bytes

NetWare and Windows NT 98 certification pending at time of publication.



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