

MEDALIST 17242

FORMATTED CAPACITIES OF 8.4 TO 17.2 GBYTES

ULTRA ATA/66



5,400 RPM

HIGH-CAPACITY DESKTOP DISC DRIVES FEATURING SUPERIOR PERFORMANCE AND RELIABILITY

- > ULTRA ATA/66
- > 300 GS NONOPERATING SHOCK FOR OUTSTANDING RELIABILITY
- > 5,400 RPM, 9.0 MSEC SEEK AND 512 KBYTE BUFFER
- > SHIPS WITH SEAGATE'S EXCLUSIVE 3D DEFENSE SYSTEM
- > QUIET DESKTOP OPERATION



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3.5 INCH DISC DRIVE	Medalist 8422	Medalist 10232	Medalist 13032	Medalist 17242
	ST38422A	ST310232A	ST313032A	ST317242A
CAPACITY AND INTERFACE				
Formatted Gbytes (512 bytes/sector)	8.4	10.2	13.0	17.2
Interface	Ultra ATA 66	Ultra ATA 66	Ultra ATA 66	Ultra ATA 66
PERFORMANCE				
Maximum Internal Transfer Rate (Mbits/sec)	188	188	188	188
Maximum External Transfer Rate (Mbytes/sec)	66.6	66.6	66.6	66.6
Average Sustained Transfer Rate (Mbytes/sec)	>8.5	>8.5	>8.5	>8.5
Multisegmented Cache (Kbytes)	512	512	512	512
Average Seek, Read (msec)	9.0	9.0	9.0	9.0
Average Latency (msec)	5.56	5.56	5.56	5.56
Spindle Speed (RPM)	5,400	5,400	5,400	5,400
CONFIGURATION/ORGANIZATION				
Discs/Heads	2/4	3/6	3/6	4/8
Bytes per Sector	512	512	512	512
Logical CHS	16,383/16/63	16,383/16/63	16,383/16/63	16,383/16/63
Recording Method (PRML)	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
SeaShield System	Yes	Yes	Yes	Yes
S.M.A.R.T. Capable	Yes	Yes	Yes	Yes
Nonrecoverable Read Errors per Bits Read	10 per 10 ¹⁴	10 per 10 ¹⁴	10 per 10 ¹⁴	10 per 10 ¹⁴
Service Life/Limited Warranty (years)	5/3	5/3	5/3	5/3
POWER REQUIREMENTS				
+12 VDC ± 10% (amps max)	2.2	2.2	2.2	2.2
+5 VDC ± 5% (amps max)	0.7	0.7	0.7	0.7
Power Management (watts) Seek	10.3	10.3	10.3	10.3
Read/Write	6.6	6.6	6.6	6.6
Idle	5.5	5.5	5.5	5.5
Standby	1.1	1.1	1.1	1.1
ENVIRONMENTAL				
Operating Temperature (°C)	0 to 55	0 to 55	0 to 55	0 to 55
Nonoperating Temperature (°C)	-40 to 70	-40 to 70	-40 to 70	-40 to 70
Operating Shock @ 2 msec (Gs)	63	63	63	63
Nonoperating Shock @ 2 msec (Gs)	300	300	300	300
Acoustics, Idle (Bels-sound power)	3.3	3.3	3.3	3.3
(Bels-sound pressure)	30	30	30	30
PHYSICAL				
Height (in/mm)	1/26.1	1/26.1	1/26.1	1/26.1
Width (in/mm)	4/101.85	4/101.85	4/101.85	4/101.85
Depth (in/mm)	5.75/147.0	5.75/147.0	5.75/147.0	5.75/147.0
Weight (lb/g)	1.2/544	1.2/544	1.2/544	1.2/544

Capacity calculated as 1 Gbyte = 10⁹ bytes

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