

U8 FAMILY

FORMATTED CAPACITIES OF 4.3 TO 17.2 GBYTES

ULTRA ATA/66



5,400 RPM

ENTRY-LEVEL DISC DRIVES PROVIDE SUPERIOR RELIABILITY AND SHOCK PROTECTION, FOR AN EXCELLENT VALUE

- > NON-OPERATING SHOCK OF 350 G'S AT 2 MSEC SETS THE STANDARD FOR RUGGEDNESS
- > ULTRA ATA/66
- > 5,400 RPM
- > G-FORCE PROTECTION PROVIDES RELIABILITY AND ROBUSTNESS
- > SHIPS WITH SOFT SEASHIELD® COVER (EXCEPT FOR EV MODEL)



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3.5 INCH DISC DRIVE	U8 EV Family	U8 Family	U8 Family	U8 Family
	ST34314A	ST38410A	ST313021A	ST317221A
CAPACITY AND INTERFACE				
Formatted Gbytes (512 bytes/sector)	4.3	8.4	13.0	17.2
Interface	Ultra ATA/66	Ultra ATA/66	Ultra ATA/66	Ultra ATA/66
PERFORMANCE				
Maximum Internal Transfer Rate (Mbits/sec)	286	286	286	286
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)	256	512	512	512
Average Seek (msec)	8.9	8.9	8.9	8.9
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	1/1	1/2	2/3	2/4
Bytes per Sector	512	512	512	512
Logical CHS	8,944/15/63	16,368/16/63	16,368/16/63	16,368/16/63
Recording Method	EPRML (24/26)	EPRML (24/26)	EPRML (24/26)	EPRML (24/26)
RELIABILITY/DATA INTEGRITY				
Contact Start-Stops	50,000	50,000	50,000	50,000
SeaShield System	No	Yes	Yes	Yes
S.M.A.R.T. Capable	Yes	Yes	Yes	Yes
Nonrecoverable Read Errors per Bits Read	10 per 10 ¹³			
Service Life/Limited Warranty (years)	5/3	5/3	5/3	5/3
POWER REQUIREMENTS				
+12 VDC ± 10% (amps max)	1.6	1.5	1.5	1.5
+5 VDC ± 5% (amps max)	0.6	0.5	0.5	0.5
Power Management (watts) Seek	7.0	7.0	7.0	7.0
Read/Write	6.5	6.5	6.5	6.5
Idle	3.5	3.5	3.5	3.5
Standby	0.7	0.8	0.8	0.8
ENVIRONMENTAL				
Operating Temperature (°C)	0 to 60	0 to 60	0 to 60	0 to 60
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	350	350	350
Acoustics, Idle (Bels-sound power)	3.3	3.2	3.2	3.2
PHYSICAL				
Height (in/mm)	1/26.1	1/26.1	1/26.1	1/26.1
Width (in/mm)	4/101.85	4/102.0	4/102.0	4/102.0
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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