

U10 FAMILY

FORMATTED CAPACITIES OF 10.2 TO 20.4 GBYTES

ULTRA ATA/66



5,400 RPM

ENTRY-LEVEL DISC DRIVES DELIVERING SUPERIOR DATA PROTECTION, ROBUSTNESS AND VALUE

- > WITHSTANDS 350 GS OF NONOPERATING SHOCK, FOR INDUSTRY-LEADING PROTECTION AGAINST FAILURE AND RETURNS
- > SOFT SEASHIELD® DRIVE COVER AND SEASHELL™ PACKAGING REDUCE CHANCES OF HANDLING AND ESD DAMAGE
- > SEAGATE 3D DEFENSE SYSTEM PROVIDES COMPREHENSIVE PROTECTION FOR CUSTOMER'S DATA
- > WHISPER-QUIET OPERATION



U10

- > WITHSTANDS 350 GS OF NONOPERATING SHOCK
- > ULTRA ATA/66—5,400 RPM
- > SOFT SEASHIELD® DRIVE COVER
- > SEASHELL™ PACKAGING
- > 3D DEFENSE SYSTEM

3.5 INCH DISC DRIVE	U10 Family	U10 Family	U10 Family
	ST310212A	ST315323A	ST320423A
CAPACITY AND INTERFACE			
Formatted Gbytes (512 bytes/sector)	10.2	15.3	20.4
Interface	Ultra ATA/66	Ultra ATA/66	Ultra ATA/66
PERFORMANCE			
Maximum Internal Transfer Rate (Mbits/sec)	303	303	303
Maximum External Transfer Rate (Mbytes/sec)	66.6	66.6	66.6
Average Sustained Transfer Rate (Mbytes/sec)	>8.5	>8.5	>8.5
Multisegmented Cache (Kbytes)	512	512	512
Average Read Seek (msec)	8.9	8.9	8.9
Average Latency (msec)	5.6	5.6	5.6
Spindle Speed (RPM)	5,400	5,400	5,400
CONFIGURATION/ORGANIZATION			
Discs/Heads	1/2	2/3	2/4
Bytes per Sector	512	512	512
Logical CHS	16,383/16/63	16,383/16/63	16,383/16/63
Recording Method	EPRML (24/26)	EPRML (24/26)	EPRML (24/26)
RELIABILITY/DATA INTEGRITY			
Contact Start-Stops	50,000	50,000	50,000
SeaShield	Yes	Yes	Yes
S.M.A.R.T. Capable	Yes	Yes	Yes
Nonrecoverable Read Errors per Bits Read	1 per 10 ¹³	1 per 10 ¹³	1 per 10 ¹³
Service Life/Limited Warranty (years)	5/3	5/3	5/3
POWER REQUIREMENTS			
+12 VDC ± 10% (amps max)	1.7	1.7	1.7
+5 VDC ± 5% (amps max)	0.65	0.65	0.65
Power Management (watts) Seek	7.0	7.0	7.0
Read/Write	6.5	6.5	6.5
Idle	3.5	3.5	3.5
Standby	0.8	0.8	0.8
ENVIRONMENTAL			
Operating Temperature (°C)	0 to 60	0 to 60	0 to 60
Nonoperating Temperature (°C)	-40 to 70	-40 to 70	-40 to 70
Operating Shock @ 2 msec (Gs)	63	63	63
Nonoperating Shock @ 2 msec (Gs)	350	350	350
Acoustics, Idle (Bels—sound power)	3.2	3.2	3.2
PHYSICAL			
Height (in/mm)	1/26.1	1/26.1	1/26.1
Width (in/mm)	4/102.0	4/102.0	4/102.0
Depth (in/mm)	5.75/147.0	5.75/147.0	5.75/147.0
Weight (lb/g)	1.2/544	1.2/544	1.2/544
Capacity calculated as 1 Gbyte = 10 ⁹ bytes			



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