

U4 FAMILY

FORMATTED CAPACITIES OF 4.3 TO 8.4 GBYTES

ULTRA ATA/66



5,400 RPM

ROBUST ENTRY-LEVEL DISC DRIVES PROVIDE GREAT VALUE,
EASE OF HANDLING, AND WHISPER-QUIET OPERATION

- > ULTRA ATA/66, 5,400 RPM
- > IDEAL FOR LOWEST-COST PC SYSTEMS
- > SEAGATE 3D DEFENSE SYSTEM PROTECTS DATA
AND REDUCES FIELD RETURNS
- > SOFT SEASHIELD® REDUCES DAMAGE FROM HANDLING
AND ESD



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3.5 INCH DISC DRIVE	U4 Family	U4 Family	U4 Family
	ST34311A	ST36421A	ST38421A
CAPACITY AND INTERFACE			
Formatted Gbytes (512 bytes/sector)	4.3	6.4	8.4
Interface	Ultra ATA/66	Ultra ATA/66	Ultra ATA/66
PERFORMANCE			
Maximum Internal Transfer Rate (Mbits/sec)	206	206	206
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)	256	256	256
Average Seek (msec)	10.5	10.5	10.5
Average Latency (msec)	5.56	5.56	5.56
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	8,944/15/63	13,330/15/63	16,368/16/63
Recording Method	EPRML (16/17)	EPRML (16/17)	EPRML (16/17)
RELIABILITY/DATA INTEGRITY			
Contact Start-Stops	50,000	50,000	50,000
SeaShield System	Yes	Yes	Yes
S.M.A.R.T. Capable	Yes	Yes	Yes
Nonrecoverable Read Errors per Bits Read	10 per 10 ¹³	10 per 10 ¹³	10 per 10 ¹³
Service Life/Limited Warranty (years)	5/3	5/3	5/3
POWER REQUIREMENTS			
+12 VDC ± 10% (amps max)	1.5	1.5	1.5
+5 VDC ± 5% (amps max)	0.5	0.5	0.5
Power Management (watts) Seek	7.0	7.0	7.0
Read/Write	5.7	5.7	5.7
Idle	3.1	3.1	3.1
Standby	0.8	0.8	0.8
ENVIRONMENTAL			
Operating Temperature (°C)	0 to 55	0 to 55	0 to 55
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)	300	300	300
Acoustics, Idle (Bels-sound power)	3.3	3.3	3.3
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 = 10⁹ bytes



SeaShield®



MULTIMEDIA READY

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