

# Quick-Reference Guide

## ENTERPRISE DRIVES



Segment	Family Platform	RPM	Model Number	Part Number	AFR/MTBF	Capacity <sup>1</sup>	Interface	Cache (MB)	Warranty Limited (yrs)	Options		
<b>3.5-INCH ENTERPRISE HDD</b>	<b>Performance</b>	<b>Cheetah® 15K</b>	15K	ST3600057SS	9FN066	0.55% 1.6M hrs	600GB	SAS	6Gb/s	16	5	
				ST3600957SS <sup>2</sup>	9PX066		600GB	SAS	6Gb/s	16	5	Encryption <sup>2</sup>
				ST3600857SS <sup>2,3</sup>	9XJ066		600GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated <sup>2,3</sup>
				ST3600057FC	9FN004		600GB	FC	4Gb/s	16	5	
				ST3450857SS	9FM066		450GB	SAS	6Gb/s	16	5	
				ST3450757SS <sup>2</sup>	9PW066		450GB	SAS	4Gb/s	16	5	Encryption <sup>2</sup>
				ST3450657SS <sup>2,3</sup>	9XH066		450GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated <sup>2,3</sup>
				ST3450857FC	9FM004		450GB	FC	4Gb/s	16	5	
				ST3300657SS	9FL066		300GB	SAS	6Gb/s	16	5	
				ST3300557SS <sup>2</sup>	9PV066		300GB	SAS	6Gb/s	16	5	Encryption <sup>2</sup>
				ST3300457SS <sup>2,3</sup>	9XG066		300GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated <sup>2,3</sup>
				ST3300657FC	9FL004		300GB	FC	4Gb/s	16	5	
	<b>Mainstream</b>	<b>Constellation® ES.2</b>	7200	0.73% 1.2M hrs	ST33000650NS	95M160	3TB	SATA	6Gb/s	64	5	
					ST33000651NS <sup>2</sup>	9XK160	3TB	SATA	6Gb/s	64	5	Encryption <sup>2</sup>
					ST33000652NS <sup>2,3</sup>	9XT160	3TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>
					ST33000650SS	9SM260	3TB	SAS	6Gb/s	64	5	
					ST33000651SS <sup>2</sup>	9XK260	3TB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>
					ST33000652SS <sup>2,3</sup>	9XT260	3TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>
					ST32000645NS	9SM167	2TB	SATA	6Gb/s	64	5	
					ST32000646NS <sup>2</sup>	9XK167	2TB	SATA	6Gb/s	64	5	Encryption <sup>2</sup>
					ST32000647NS <sup>2,3</sup>	9XT167	2TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>
					ST32000645SS	9SM267	2TB	SAS	6Gb/s	64	5	
					ST32000646SS <sup>2</sup>	9XK267	2TB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>
					ST32000647SS <sup>2,3</sup>	9XT267	2TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>
		<b>Constellation ES</b>	7200	0.73% 1.2M hrs	ST2000NM0011	9YZ168	2TB	SATA	6Gb/s	64	5	
					ST2000NM0031 <sup>2</sup>	1A9168	2TB	SATA	6Gb/s	64	5	Encryption <sup>2</sup>
					ST2000NM0051 <sup>2,3</sup>	1AV168	2TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>
					ST2000NM0001	9YZ268	2TB	SAS	6Gb/s	64	5	
					ST2000NM0021 <sup>2</sup>	1A9268	2TB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>
					ST2000NM0041 <sup>2,3</sup>	1AV268	2TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>
ST1000NM0011					9YZ164	1TB	SATA	6Gb/s	64	5		
ST1000NM0031 <sup>2</sup>					1A9164	1TB	SATA	6Gb/s	64	5	Encryption <sup>2</sup>	
ST1000NM0051 <sup>2,3</sup>					1AV164	1TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>	
ST1000NM0001					9YZ264	1TB	SAS	6Gb/s	64	5		
ST1000NM0021 <sup>2</sup>					1A9264	1TB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>	
ST1000NM0041 <sup>2,3</sup>					1AV264	1TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>	
ST500NM0011					9YZ162	500GB	SATA	6Gb/s	64	5		
ST500NM0031 <sup>2</sup>					1A9162	500GB	SATA	6Gb/s	64	5	Encryption <sup>2</sup>	
ST500NM0051 <sup>2,3</sup>					1AV162	500GB	SATA	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>	
ST500NM0001					9YZ262	500GB	SAS	6Gb/s	64	5		
ST500NM0021 <sup>2</sup>					1A9262	500GB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>	
ST500NM0041 <sup>2,3</sup>					1AV262	500GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>	

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Segment	Family Platform	RPM	Model Number	Part Number	AFR/MTBF	Capacity <sup>1</sup>	Interface	Cache (MB)	Warranty Limited (yrs)	Options					
<b>2.5-INCH ENTERPRISE HDD</b>	<b>Performance</b>	<b>Savvio® 15K.3</b>	15K	ST3000653SS	9SW066	0.44% 2.0M hrs	300GB	SAS	6Gb/s	64	5				
				ST3000553SS	9ZZ066		300GB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>			
				ST9300453SS <sup>2,3</sup>	9XM066		300GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>			
				ST9146853SS	9SV066		146GB	SAS	6Gb/s	64	5				
				ST9146753SS	9ZY066		146GB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>			
				ST9146653SS	9XL066		147GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>			
		<b>Savvio 15K.2</b>	15K	ST9146852SS	9FU066	0.55% 1.6M hrs	146GB	SAS	6Gb/s	16	5				
				ST9146752SS <sup>2</sup>	9LD066		146GB	SAS	6Gb/s	16	5	Encryption <sup>2</sup>			
				ST9146652SS <sup>2,3</sup>	9WZ066		146GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated <sup>2,3</sup>			
				ST973452SS	9FT066		73GB	SAS	6Gb/s	16	5				
				ST973352SS <sup>2</sup>	9LC066		73GB	SAS	6Gb/s	16	5	Encryption <sup>2</sup>			
				ST973252SS <sup>2,3</sup>	9WY066		73GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated <sup>2,3</sup>			
	<b>Mainstream</b>	<b>Savvio 10K.5</b>	10K	ST9900805SS	9TH066	0.44% 2.0M hrs	900GB	SAS	6Gb/s	64	5				
				ST9900705SS <sup>2</sup>	9VX066		900GB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>			
				ST9900605SS <sup>2,3</sup>	9XS066		900GB	SAS	6Gb/s	64	5				
				ST9900805FC	9TH004		900GB	FC	4Gb/s	64	5				
				ST9600205SS	9TG066		600GB	SAS	6Gb/s	64	5				
				ST9600105SS <sup>2</sup>	9VW066		600GB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>			
				ST9600005SS <sup>2,3</sup>	9XR066		600GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>			
				ST9600205FC	9TG004		600GB	FC	4Gb/s	64	5				
				ST9450405SS	9TF066		450GB	SAS	6Gb/s	64	5				
				ST9450305SS <sup>2</sup>	9VV066		450GB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>			
				ST9450205SS <sup>2,3</sup>	9XP066		450GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>			
				ST9450405FC	9TF004		450GB	FC	4Gb/s	64	5				
				ST9300605SS	9TE066		300GB	SAS	6Gb/s	64	5				
				ST9300505SS <sup>2</sup>	9VU066		300GB	SAS	6Gb/s	64	5	Encryption <sup>2</sup>			
				ST9300405SS <sup>2,3</sup>	9XN066		300GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>			
				ST9300605FC	9TE004		300GB	FC	4Gb/s	64	5				
				<b>Savvio 10K.4</b>	10K		ST9600204SS	9PN066	0.44% 2.0M hrs	600GB	SAS	6Gb/s	16	5	
							ST9600104SS <sup>2</sup>	9PP066		600GB	SAS	6Gb/s	16	5	Encryption <sup>2</sup>
		ST9600004SS <sup>2,3</sup>	9XD066			600GB	SAS	6Gb/s		16	5	Encryption/FIPS Validated <sup>2,3</sup>			
		ST9600204FC	9PN004			600GB	FC	4Gb/s		16	5				
		ST9450404SS	9PY066			450GB	SAS	6Gb/s		16	5				
		ST9450304SS <sup>2</sup>	9PZ066			450GB	SAS	6Gb/s		16	5	Encryption <sup>2</sup>			
		<b>Low Power</b>	<b>Constellation.2™</b>	7200	ST91000640NS	9RZ168	0.62% 1.4M hrs	1TB	SATA	6Gb/s	64	5			
					ST91000641NS <sup>2</sup>	9TR168		1TB	SATA	6Gb/s	64	5	Encryption <sup>2</sup>		
ST91000642NS <sup>2,3</sup>	9XU168				1TB	SATA		6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>				
ST91000640SS	9RZ268				1TB	SAS		6Gb/s	64	5					
ST91000641SS <sup>2</sup>	9TR268				1TB	SAS		6Gb/s	64	5	Encryption <sup>2</sup>				
ST91000642SS <sup>2,3</sup>	9XU268				1TB	SAS		6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>				
ST9500620NS	9RZ164				500GB	SATA		6Gb/s	64	5					
ST9500621NS <sup>2</sup>	9TR164				500GB	SATA		6Gb/s	64	5	Encryption <sup>2</sup>				
ST9500622NS <sup>2,3</sup>	9XU164				500GB	SAS		6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>				
ST9500620SS	9RZ264				500GB	SATA		6Gb/s	64	5					
ST9500621SS <sup>2</sup>	9TR264				500GB	SAS		6Gb/s	64	5	Encryption <sup>2</sup>				
ST9500622SS <sup>2,3</sup>	9XU264				500GB	SAS		6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>				
ST9250610NS	9RZ162				250GB	SATA		6Gb/s	64	5					
ST9250611NS <sup>2</sup>	9TR162				250GB	SATA		6Gb/s	64	5	Encryption <sup>2</sup>				
ST9250612NS <sup>2,3</sup>	9XU162				250GB	SATA		6Gb/s	64	5	Encryption/FIPS Validated <sup>2,3</sup>				

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## ENTERPRISE DRIVES

Segment	Family Platform	NAND Flash Type	Model Number	Part Number	AFR <sup>1</sup>	Capacity <sup>1</sup>	Interface	Full Drive Writes/Day <sup>4</sup>	Warranty Limited (yrs)	Options		
2.5-INCH ENTERPRISE SSD	Mainstream	Pulsar.2™	MLC	ST800FM0002	9XW282	0.44%	800	SAS	6Gb/s	10	5	
				ST800FM0012 <sup>2</sup>	9XX282		800	SAS	6Gb/s	10	5	Encryption <sup>2</sup>
				ST400FM0002	9XW272		400	SAS	6Gb/s	10	5	
				ST400FM0012	9XW172		400	SATA	6Gb/s	10	5	
				ST200FM0002	9XW262		200	SAS	6Gb/s	10	5	
				ST200FM0012	9XW162		200	SATA	6Gb/s	10	5	
				ST100FM0002	9XW252		100	SAS	6Gb/s	10	5	
				ST100FM0012	9XW152		100	SATA	6Gb/s	10	5	

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to hard drive capacity.  
 2 Self-Encrypting Drives (SED) and FIPS 140-2 Validated drives are not available in all models or countries. May require TCG-compliant host or controller support.  
 3 See FIPS 140-2 Level 2 Certificate at <http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401val2010.htm#1299>  
 4 Data provided is based on format at 512 bytes.

### New Seagate Model Number Key, Enterprise

## ST 500 NM 123 1

BRAND	CAPACITY	SEGMENT	ATTRIBUTES	GENERATION
<p><i>2 letters</i></p> <p>ST = Seagate</p> <p>MX = Maxtor</p>	<p><i>2 to 4 digits</i></p> <p>500 = 500GB</p> <p>1000 = 1000GB</p> <p>Capacities &gt;9999GB:</p> <p>10 = 10TB</p> <p>15 = 15TB</p>	<p><i>2 letters</i></p> <p>MM = Mission-Critical, 2.5-Inch, 10K</p> <p>MX = Mission-Critical, 2.5-Inch, 15K</p> <p>NM = Nearline, 3.5-Inch</p> <p>NX = Nearline, 2.5-Inch</p> <p>FM = SSD Mainstream</p> <p>FX = SSD Performance</p>	<p><i>3 digits, non-intelligent</i></p> <p>Varies as needed, for example:</p> <p>Interface</p> <p>RPM</p> <p>Cache</p> <p>SED</p>	<p><i>1 digit, intelligent</i></p> <p>1 = 1st Generation</p> <p>2 = 2nd Generation</p> <p>3 = 3rd Generation</p>

View a brief training presentation on how our model number format has changed at [www.brainshark.com/seagate/ModelNumber](http://www.brainshark.com/seagate/ModelNumber)



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