

Quick-Reference Guide

ENTERPRISE DRIVES



Segment		Family Platform	RPM	Model Number	Part Number	Max Sust Data Rate (MB/s)	Capacity ¹	Interface	Cache (MB)	Warranty Limited (yrs)	Options	
3.5-INCH ENTERPRISE HDD	Performance	Cheetah® 15K	15K	ST3600057SS	9FN066	122 to 204	600GB	SAS	6Gb/s	16	5	
				ST3600957SS ²	9PX066	122 to 204	600GB	SAS	6Gb/s	16	5	Encryption ²
				ST3600857SS ^{2,3}	9XJ066	122 to 204	600GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated ^{2,3}
				ST3600057FC	9FN004	122 to 204	600GB	FC	4Gb/s	16	5	
				ST3450857SS	9FM066	122 to 204	450GB	SAS	6Gb/s	16	5	
				ST3450757SS ²	9PW066	122 to 204	450GB	SAS	4Gb/s	16	5	Encryption ²
				ST3450657SS ^{2,3}	9XH066	122 to 204	450GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated ^{2,3}
				ST3450857FC	9FM004	122 to 204	450GB	FC	4Gb/s	16	5	
				ST3300657SS	9FL066	122 to 204	300GB	SAS	6Gb/s	16	5	
				ST3300557SS ²	9PV066	122 to 204	300GB	SAS	6Gb/s	16	5	Encryption ²
				ST3300457SS ^{2,3}	9XG066	122 to 204	300GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated ^{2,3}
				ST3300657FC	9FL004	122 to 204	300GB	FC	4Gb/s	16	5	
	Mainstream	Constellation® ES.3	7200	ST4000NM0023	9ZM270	175	4TB	SAS	6Gb/s	128	5	
				ST4000NM0033	9ZM170	175	4TB	SATA	6Gb/s	128	5	
				ST4000NM0043 ²	1C1270	175	4TB	SAS	6Gb/s	128	5	Encryption ²
				ST4000NM0053 ²	1C1170	175	4TB	SATA	6Gb/s	128	5	Encryption ²
				ST4000NM0063 ^{2,3}	1C2270	175	4TB	SAS	6Gb/s	128	5	Encryption/FIPS Validated (in review) ^{2,3}
				ST3000NM0023	9ZM278	175	3TB	SAS	6Gb/s	128	5	
				ST3000NM0033	9ZM178	175	3TB	SATA	6Gb/s	128	5	
				ST3000NM0043 ²	1C1278	175	3TB	SAS	6Gb/s	128	5	Encryption ²
				ST3000NM0053 ²	1C1178	175	3TB	SATA	6Gb/s	128	5	Encryption ²
				ST3000NM0063 ^{2,3}	1C2278	175	3TB	SAS	6Gb/s	128	5	Encryption/FIPS Validated (in review) ^{2,3}
				ST2000NM0023	9ZM275	175	2TB	SAS	6Gb/s	128	5	
				ST2000NM0033	9ZM175	175	2TB	SATA	6Gb/s	128	5	
				ST2000NM0043 ²	1C1275	175	2TB	SAS	6Gb/s	128	5	Encryption ²
				ST2000NM0053 ²	1C1175	175	2TB	SATA	6Gb/s	128	5	Encryption ²
				ST2000NM0063 ^{2,3}	1C2275	175	2TB	SAS	6Gb/s	128	5	Encryption/FIPS Validated (in review) ^{2,3}
				ST1000NM0023	9ZM273	175	1TB	SAS	6Gb/s	128	5	
				ST1000NM0033	9ZM173	175	1TB	SATA	6Gb/s	128	5	
				ST1000NM0043 ²	1C1273	175	1TB	SAS	6Gb/s	128	5	Encryption ²
				ST1000NM0053 ²	1C1173	175	1TB	SATA	6Gb/s	128	5	Encryption ²
				ST1000NM0063 ^{2,3}	1C2273	175	1TB	SAS	6Gb/s	128	5	Encryption/FIPS Validated (in review) ^{2,3}
		Constellation ES.2	7200	ST33000650NS	95M160	155	3TB	SATA	6Gb/s	64	5	
				ST33000651NS ²	9XK160	155	3TB	SATA	6Gb/s	64	5	Encryption ²
ST33000652NS ^{2,3}	9XT160			155	3TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}		
ST33000650SS	9SM260			155	3TB	SAS	6Gb/s	64	5			
ST33000651SS ²	9XK260			155	3TB	SAS	6Gb/s	64	5	Encryption ²		
ST33000652SS ^{2,3}	9XT260			155	3TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}		
ST32000645NS	9SM167			155	2TB	SATA	6Gb/s	64	5			
ST32000646NS ²	9XK167			155	2TB	SATA	6Gb/s	64	5	Encryption ²		
ST32000647NS ^{2,3}	9XT167			155	2TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}		
ST32000645SS	9SM267			155	2TB	SAS	6Gb/s	64	5			
ST32000646SS ²	9XK267			155	2TB	SAS	6Gb/s	64	5	Encryption ²		
ST32000647SS ^{2,3}	9XT267			155	2TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}		

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3.5-INCH ENTERPRISE HDD	Mainstream	Constellation ES	7200	ST2000NM0011	9YZ168	140	2TB	SATA	6Gb/s	64	5	
				ST2000NM0031 ²	1A9168	140	2TB	SATA	6Gb/s	64	5	Encryption ²
				ST2000NM0051 ^{2,3}	1AV168	140	2TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST2000NM0001	9YZ268	150	2TB	SAS	6Gb/s	64	5	
				ST2000NM0021 ²	1A9268	150	2TB	SAS	6Gb/s	64	5	Encryption ²
				ST2000NM0041 ^{2,3}	1AV268	150	2TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST1000NM0011	9YZ164	140	1TB	SATA	6Gb/s	64	5	
				ST1000NM0031 ²	1A9164	140	1TB	SATA	6Gb/s	64	5	Encryption ²
				ST1000NM0051 ^{2,3}	1AV164	140	1TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST1000NM0001	9YZ264	150	1TB	SAS	6Gb/s	64	5	
				ST1000NM0021 ²	1A9264	150	1TB	SAS	6Gb/s	64	5	Encryption ²
				ST1000NM0041 ^{2,3}	1AV264	150	1TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST500NM0011	9YZ162	140	500GB	SATA	6Gb/s	64	5	
				ST500NM0031 ²	1A9162	140	500GB	SATA	6Gb/s	64	5	Encryption ²
				ST500NM0051 ^{2,3}	1AV162	140	500GB	SATA	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST500NM0001	9YZ262	150	500GB	SAS	6Gb/s	64	5	
				ST500NM0021 ²	1A9262	150	500GB	SAS	6Gb/s	64	5	Encryption ²
				ST500NM0041 ^{2,3}	1AV262	150	500GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
		Constellation CS	7200	ST3000NC002	1DY166	150 to 180	3TB	SATA	6Gb/s	64	3	
				ST3000NC000 ²	1CX166	150 to 180	3TB	SATA	6Gb/s	64	3	Seagate Instant Secure Erase (SED) ²
				ST2000NC001	1DY164	150 to 180	2TB	SATA	6Gb/s	64	3	
				ST2000NC000 ²	1CX164	150 to 180	2TB	SATA	6Gb/s	64	3	Seagate Instant Secure Erase (SED) ²
				ST1000NC001	1DY162	150 to 180	1TB	SATA	6Gb/s	64	3	
				ST1000NC000 ²	1CX162	150 to 180	1TB	SATA	6Gb/s	64	3	Seagate Instant Secure Erase (SED) ²

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Segment		Family Platform	RPM	Model Number	Part Number	Max Sust Data Rate (MB/s)	Capacity ¹	Interface		Cache (MB)	Warranty Limited (yrs)	Options
2.5-INCH ENTERPRISE HDD		Performance	15K	ST3000653SS	9SW066	151 to 202	300GB	SAS	6Gb/s	64	5	
				ST3000553SS	9ZZ066	151 to 202	300GB	SAS	6Gb/s	64	5	Encryption ²
				ST9300453SS ^{2,3}	9XM066	151 to 202	300GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST9146853SS	9SV066	151 to 202	146GB	SAS	6Gb/s	64	5	
				ST9146753SS	9ZY066	151 to 202	146GB	SAS	6Gb/s	64	5	Encryption ²
				ST9146653SS	9XL066	151 to 202	147GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
			15K	ST9146852SS	9FU066	151 to 202	146GB	SAS	6Gb/s	16	5	
				ST9146752SS ²	9LD066	151 to 202	146GB	SAS	6Gb/s	16	5	Encryption ²
				ST9146652SS ^{2,3}	9WZ066	151 to 202	146GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated ^{2,3}
				ST973452SS	9FT066	122 to 160	73GB	SAS	6Gb/s	16	5	
				ST973352SS ²	9LC066	122 to 160	73GB	SAS	6Gb/s	16	5	Encryption ²
				ST973252SS ^{2,3}	9WY066	122 to 160	73GB	SAS	6Gb/s	16	5	Encryption/FIPS Validated ^{2,3}
		Mainstream	10K	ST900MM0026 ²	9WM066	125 to 204	900GB	SAS	6Gb/s	64	5	Encryption ²
				ST600MM0026 ²	9WL066	125 to 204	600GB	SAS	6Gb/s	64	5	Encryption ²
				ST450MM0026 ²	9WK066	125 to 204	450GB	SAS	6Gb/s	64	5	Encryption ²
				ST300MM0026 ²	9WJ066	125 to 204	300GB	SAS	6Gb/s	64	5	Encryption ²
				ST900MM0036 ^{2,3}	1C9066	125 to 204	900GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated (in review) ^{2,3}
			10K	ST9900805SS	9TH066	93 to 168	900GB	SAS	6Gb/s	64	5	
				ST9900705SS ²	9VX066	93 to 168	900GB	SAS	6Gb/s	64	5	Encryption ²
				ST9900605SS ^{2,3}	9XS066	93 to 168	900GB	SAS	6Gb/s	64	5	
				ST9900805FC	9TH004	93 to 168	900GB	FC	4Gb/s	64	5	
				ST9600205SS	9TG066	93 to 168	600GB	SAS	6Gb/s	64	5	
				ST9600105SS ²	9VW066	93 to 168	600GB	SAS	6Gb/s	64	5	Encryption ²
				ST9600005SS ^{2,3}	9XR066	93 to 168	600GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST9600205FC	9TG004	93 to 168	600GB	FC	4Gb/s	64	5	
				ST9450405SS	9TF066	93 to 168	450GB	SAS	6Gb/s	64	5	
				ST9450305SS ²	9VW066	93 to 168	450GB	SAS	6Gb/s	64	5	Encryption ²
				ST9450205SS ^{2,3}	9XP066	93 to 168	450GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST9450405FC	9TF004	93 to 168	450GB	FC	4Gb/s	64	5	
				ST9300605SS	9TE066	93 to 168	300GB	SAS	6Gb/s	64	5	
				ST9300505SS ²	9VU066	93 to 168	300GB	SAS	6Gb/s	64	5	Encryption ²
				ST9300405SS ^{2,3}	9XN066	93 to 168	300GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST9300605FC	9TE004	93 to 168	300GB	FC	4Gb/s	64	5	
		Low Power	Constellation.2™	ST91000640NS	9RZ168	115	1TB	SATA	6Gb/s	64	5	
				ST91000641NS ²	9TR168	115	1TB	SATA	6Gb/s	64	5	Encryption ²
				ST91000642NS ^{2,3}	9XU168	115	1TB	SATA	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST91000640SS	9RZ268	115	1TB	SAS	6Gb/s	64	5	
				ST91000641SS ²	9TR268	115	1TB	SAS	6Gb/s	64	5	Encryption ²
				ST91000642SS ^{2,3}	9XU268	115	1TB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST9500620NS	9RZ164	115	500GB	SATA	6Gb/s	64	5	
				ST9500621NS ²	9TR164	115	500GB	SATA	6Gb/s	64	5	Encryption ²
				ST9500622NS ^{2,3}	9XU164	115	500GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST9500620SS	9RZ264	115	500GB	SATA	6Gb/s	64	5	
				ST9500621SS ²	9TR264	115	500GB	SAS	6Gb/s	64	5	Encryption ²
				ST9500622SS ^{2,3}	9XU264	115	500GB	SAS	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}
				ST9250610NS	9RZ162	115	250GB	SATA	6Gb/s	64	5	
				ST9250611NS ²	9TR162	115	250GB	SATA	6Gb/s	64	5	Encryption ²
				ST9250612NS ^{2,3}	9XU162	115	250GB	SATA	6Gb/s	64	5	Encryption/FIPS Validated ^{2,3}

NOVEMBER 2012

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Segment		Family Platform	NAND Flash Type	Model Number	Part Number	AFR ⁴	Capacity ¹	Interface	Full Drive Writes/Day ⁴	Warranty Limited (yrs)	Options	
2.5-INCH ENTERPRISE SSD	Mainstream	Pulsar.2™	MLC	ST800FM0002	9XW282	0.44%	800GB	SAS	6Gb/s	10	5	
				ST800FM0012 ²	9XX282		800GB	SAS	6Gb/s	10	5	Encryption ²
				ST400FM0002	9XW272		400GB	SAS	6Gb/s	10	5	
				ST400FM0012	9XW172		400GB	SATA	6Gb/s	10	5	
				ST200FM0002	9XW262		200GB	SAS	6Gb/s	10	5	
				ST200FM0012	9XW162		200GB	SATA	6Gb/s	10	5	
				ST100FM0002	9XW252		100GB	SAS	6Gb/s	10	5	
				ST100FM0012	9XW152		100GB	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
2 letters ST = Seagate MX = Maxtor	2 to 4 digits 500 = 500GB 1000 = 1000GB Capacities >9999GB: 10 = 10TB 15 = 15TB	2 letters MM = Mission-Critical, 2.5-Inch, 10K MX = Mission-Critical, 2.5-Inch, 15K NM = Nearline, 3.5-Inch NX = Nearline, 2.5-Inch FM = SSD Mainstream FX = SSD Performance	3 digits, non-intelligent Varies as needed, for example: Interface RPM Cache SED	1 digit, intelligent 1 = 1st Generation 2 = 2nd Generation 3 = 3rd Generation

View a brief training presentation on how our model number format has changed at www.brainshark.com/seagate/ModelNumber



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