

3.5 HDD DATA SHEET

Amazing Versatility and Trusted Dependability Meet Incredible Speed



Lightning-fast performance and titanic storage up to 10 TB give your desktop or creative professional system the edge you need to be your very best. BarraCuda® Pro 3.5-inch drives are also backed by a 5-year limited warranty.



Best-Fit Applications

- Creative pros systems
- Desktop or all-in-one PCs
- Home servers
- Entry-level direct-attached storage devices (DAS)



Key Advantages

Highest capacity. Up to 10 TB means you get the highest storage capacity available in the 3.5-inch PC class.

Peace of mind. A 5-year limited warranty and 300 TB/year workload limit means this drive has your back.

Incredible speed. Delivers 7,200 RPM spin speed along with sustained data rates up to 220 MB/s and burst data rates of 6 GB/s.

Energy efficient. Drawing a mere 6.8 W, this drive is one of the lowest-power 3.5-inch drives on the market.¹

Ultimate protection. Bundled with Seagate® Rescue Data Recovery, this drive is protected for 2 years against any mechanical, accidental or nature disaster — with a 90% success rate for in-house recovery.²

History of reliability. For 20+ years, the Barracuda family has had a reputation for complete reliability.

Optimised for creative pros. Designed and tuned for creative applications, these drives feature higher random performance and drive reliability than typical PC compute drives.

¹ 10 TB model only.

² Registration required to activate.



BARRACUDA PRO

COMPUTE



Specifications	10 TB ¹	8 TB ¹	6 TB ¹	4 TB ¹	2 TB ¹	
Standard Model Numbers	ST10000DM0004	ST8000DM0005	ST8000DM0004	ST6000DM0004	ST4000DM0006	ST2000DM0009
Bytes per Sector	512	512	512	512	512	512
Performance						
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
SATA Transfer Rates Supported (Gb/s)	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5
Max Sustained Rate OD (MB/s)	220	220	220	220	220	195
Cache, Multi-segmented (MB)	256	256	256	256	128	128
Reliability/Data Integrity						
Load/Unload Cycles	300,000	300,000	300,000	300,000	300,000	300,000
Non-recoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15
Power-On Hours (per year)	8,760	8,760	8,760	8,760	8,760	8,760
Data Recovery and Rescue Services	Yes	Yes	Yes	Yes	Yes	Yes
Workload Rate Limit (TB/year) ²	300	300	300	300	300	300
Warranty, Limited (years)	5	5	5	5	5	5
Power Management						
Startup Power (A)	1.8	2.0	1.8	2.0	2.0	2.0
Operating Mode, Typical (W)	6.8	9.0	6.8	9.0	6.7	7.5
Idling Average (W)	4.5	7.2	4.5	7.2	6.0	4.5
Standby Mode/Sleep Mode, Typical (W)	0.8/0.8	0.6/0.6	0.8/0.8	0.6/0.6	0.6/0.6	0.8/0.8
Environmental						
Temperature (°C)						
Operating (ambient, min)	0	0	0	0	0	0
Operating (drive case, max)	60	60	60	60	60	60
Non-operating (ambient)	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70
Halogen-free	Yes	Yes	Yes	Yes	Yes	Yes
RoHS compliance	Yes	Yes	Yes	Yes	Yes	Yes
Physical						
Height (mm/in, max)	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028
Width (mm/in, max)	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01
Depth (mm/in, max)	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787
Weight (g/lb, typical)	650/1.433	780/1.720	650/1.433	780/1.720	680/1.50	550/1.21
Carton Unit Quantity	20	20	20	20	20	20
Cartons per Pallet / Cartons per Layer	40/8	40/8	40/8	40/8	40/8	40/8

¹ One gigabyte, or GB equals one billion bytes; and one terabyte or TB, equals one trillion bytes when referring to drive capacity.

² BarraCuda Pro drives are designed for always-on workloads of 300 TB/year. For higher transaction workloads, see Seagate's enterprise-class drive offerings.

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