

3.5 HDD DATA SHEET

Amazing Versatility and Trusted Dependability Meet Incredible Speed



Lightning-fast performance and titanic storage up to 10TB 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 10TB means you get the highest storage capacity available in the 3.5-inch PC class.

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

Incredible speed. Delivers 7200-RPM spin speed along with sustained data rates up to 220MB/s and burst data rates of 6GB/s.

Energy efficient. Drawing a mere 6.8W, 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.

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

¹ 10TB model only.

² Registration required to activate.



BARRACUDA PRO

COMPUTE



Specifications	10TB ¹	8TB ¹	6TB ¹
Standard Model Numbers	ST10000DM0004	ST8000DM005	ST6000DM004
Bytes per Sector	512e	512e	512e
Performance			
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/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
Max Sustained Transfer Rate OD (MB/s)	220	220	220
Cache, Multisegmented (MB)	256	256	256
Reliability/Data Integrity			
Load/Unload Cycles	300,000	300,000	300,000
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E15
Power-On Hours (per year)	8760	8760	8760
Data Recovery and Rescue Services	Yes	Yes	Yes
Workload Rate Limit (TB/year) ²	300	300	300
Warranty, Limited (years)	5	5	5
Power Management			
Startup Power (A)	1.8	2.0	2.0
Operating Mode, Typical (W)	6.8	9.0	9.0
Idle Average (W)	4.5	7.2	7.2
Standby Mode/Sleep Mode, Typical (W)	0.8/0.8	0.6/0.6	0.6/0.6
Environmental			
Temperature (°C)			
Operating (ambient, min)	0	0	0
Operating (drive case, max)	60	60	60
Nonoperating (ambient)	-40 to 70	-40 to 70	-40 to 70
Halogen Free	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes
Physical			
Height (mm/in, max)	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
Depth (mm/in, max)	146.99/5.787	146.99/5.787	146.99/5.787
Weight (g/lb, typical)	650/1.433	780/1.720	780/1.720
Carton Unit Quantity	20	20	20
Cartons per Pallet/Cartons per Layer	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 300TB/year. For higher transaction workloads, see Seagate's enterprise-class drive offerings.

seagate.com



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