

Specifications	10 TB	8 TB	6 TB	4 TB	3 TB	2 TB	1 TB
Model number ¹	HDD-8000	HDD-10000	HDD-6000	HDD-4000	HDD-3000	HDD-2000	HDD-1000
Formatted capacity ²	10 TB	8 TB	6 TB	4 TB	3 TB	2 TB	1 TB
Form factor	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RoHS compliant ³	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Performance							
Data transfer rate (max)							
Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Host to/from drive (sustained)	210 MB/s	178 MB/s	175 MB/s	150 MB/s	145 MB/s	145 MB/s	110 MB/s
Cache (MB)	256	128	64	64	64	64	64
Performance Class	5400 RPM Class	5400 RPM Class	5400 RPM Class	5400 RPM Class	5400 RPM Class	5400 RPM Class	5400 RPM Class
Reliability/Data Integrity							
Load/unload cycles ⁴	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴	<1 in 10 ¹⁴
Limited warranty (years) ⁵	3	3	3	3	3	3	3
Power Management							
Average power requirements (W)							
Read/Write	6.2	6.4	5.3	5.1	4.4	4.4	3.3
Idle	5.0	5.7	4.9	4.5	4.1	4.1	2.9
Standby and Sleep	0.5	0.7	0.4	0.4	0.4	0.4	0.4
Environmental Specifications⁶							
Temperature (°C, on the base casting)							
Operating	0 to 65	0 to 65	0 to 65	0 to 65	0 to 65	0 to 65	0 to 65
Non-operating	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70
Shock (Gs)							
Operating (2 ms, read/write)	30	30	30	30	30	30	30
Operating (2 ms, read) Non-	65	65	65	65	65	65	65
operating (2 ms)	250	250	250	250	250	250	350
Acoustics (dBA) ⁷							
Idle	20	20	25	25	23	23	21
Seek (average)	29	29	26	26	24	24	22
Physical Dimensions							
Height (in./mm, max)	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1
Length (in./mm, max)	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147
Width (in./mm, ± .01 in.)	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6
Weight (lb./kg, ± 10%)	1.43/0.65	1.43/0.65	1.65/0.75	1.50/0.68	1.40/0.64	1.40/0.64	0.99/0.45