

Specifications	10 TB	8 TB	6 TB	4 TB	3 TB	2 TB	1 TB
Model number	H-10P	H-8P	H-6P	H-4P	H-3P	H-2P	H-1P
Formatted capacity	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	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)	235 MB/s	213 MB/s	175 MB/s	150 MB/s	145 MB/s	145 MB/s	110 MB/s
Cache (MB)	256	256	64	64	64	64	64
Performance Class	7200 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	6.3	9.0	5.3	5.1	4.4	4.4	3.3
Idle	5.2	8.12	4.9	4.5	4.1	4.1	2.9
Standby and Sleep	0.5	0.8	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)	65	65	65	65	65	65	65
Non-operating (2 ms)	250	250	250	250	250	250	350
Acoustics (dBA) ⁷							
Idle	20	27	25	25	23	23	21
Seek (average)	29	29	28	28	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	1.58/0.715	1.65/0.75	1.50/0.68	1.40/0.64	1.32/0.60	0.99/0.45