

# ST6000VX008

HDD 3.5 SEAGATE VIDEO 6TB ST6000VX008



Model	ST6000VX008
Brend	Seagate
Tip	HDD
Yaddaş həcmi	6 TB
Ölçü	3.5

## Specification

Model	ST6000VX008
Basic information	
Formatted capacity (512 bytes/sector)	6000 GB (6 TB)
Guaranteed sectors	11,721,045,168;
Heads	8
Discs	4
Bytes per sector (emulated in 512 byte sectors)	4096 (physical)
Default sectors per track	63
Default read/write heads	16
Default cylinders	16,383
Recording Density	2448 KB/inch
Track density (average)	480 thousand tracks/inch
Area density (average)	1175 GB/in <sup>2</sup>
Data transfer speed via SATA interface	600 MB/s
Maximum data transfer rate	180 MB/s

Supported ATA transfer modes	PIO Modes: 0 to 4 Multi-Word DMA Modes: 0 to 2 Ultra DMA Modes: 0 to 6
Cache buffer	256 MB
Average Latency	6.0 ms
Load/Unload Cycles (At 25°C, 50% RH)	600,000
Supports hot plugging in accordance with the Serial ATA specification version 3.3.	Eat
Fatal read errors	1 per 1014 read bits
Drive acoustics, sound power	
Standby mode	2.3 bel (standard) 2.4 bel (max.)
Search mode	2.7 bel (standard) 2.8 bel (max)
Environment	
Operating temperature in non-operating state	-40°C to 70°C
Operating temperature (min.)	0°C
Operating temperature (maximum drive value, °C)	65†
Temperature gradient	Max. 20°C per hour (operating) Max. 30°C per hour (non-operating)
Relative humidity	From 5% to 90% (working) From 5% to 95% (not working)
Relative humidity gradient (max)	30% per hour
Wet bulb temperature (max)	Max. 30°C (operating) Max. 40°C (non-operating)
Operating height	-304 to 3048 m (-1000 to 10,000 ft)
Non-operating height (max)	-304 to 12,192 m (-1000 ft to 40,000+ ft)
Electrical properties	
Working shock (max.)	80 G (read) / 70 G (write) in 2 ms
Non-working shock (max)	350 gauss at 2 ms
Vibration in working condition	10 Hz to 22 Hz: 0.25 Gs, limited offset 22 Hz to 350 Hz: 0.50 Gs 350 Hz to 500 Hz: 0.25 Gs
Vibration when not in use	5 Hz to 22 Hz: 3.0 Hz 22 Hz to 350 Hz: 3.0 Hz 350 Hz to 500 Hz: 3.0 Hz
Power on until ready (typical)	15.0 s
Ready Standby (Typ.)	15.0 s
Starting current (typical) 12 V	1.8A
Permissible voltage (including noise)	5V ±5% 12V ±10%
General information	
Dimensions	146.99 mm x 101.6 mm x 20.20 mm (5.787" x 4.0" x 0.795")
Weight	630 g (1,389 lb)