

Western Digital

EIDE Hard Drives

WD Spartan™

These WD EIDE hard drives are the ideal solution for desktop personal computers and provide the best combination of quality, performance, and value.



Physical Specifications

	7.5 GB
Model Number	WD75DA
Formatted Capacity ¹	7,509 MB
User Sectors per Drive	14,666,400
Interface	40-pin EIDE
Actuator Type	Voice Coil
Bytes per Sector (STD)	512
Dedicated Landing Zone	Yes
Actuator Latch/Auto Park	Yes

Performance Specifications

Data Transfer Rate	
Buffer to Host	66.6 MB/s (Mode 4 Ultra ATA) ² 33.3 MB/s (Mode 2 Ultra ATA) ² 16.6 MB/s (Mode 2 DMA) ² 16.6 MB/s (Mode 4 PIO) ²

Average Read Seek	15 ms (typical)
Track -to-Track Seek ³	2.0 ms (typical)
Full Stroke Read Seek ³	28 ms (typical)
Average Latency	6.67 ms
Rotational Speed	4500 RPM
Read Cache	Adaptive
Write Cache	Yes
Buffer	2 MB
Drive Ready Time	3 sec average
Start/Stop Cycles	40,000 min
Master/Slave Support	Yes
LBA Support	Yes
IORDY Support	Yes
Error Rate	<1 in 10 ¹⁴ bits read (Non-recoverable)

Recommended Setup	
	16383 x 16 x 63

Physical Dimensions

Height	1.0 in. (25.4 mm) ± 0.02
Length	5.75 in. (146.0 mm) ± 0.02
Width	4.0 in. (101.6 mm) ± 0.01
Weight	0.925 lb. (420 g) ± 10%

Environmental Specifications⁴

Shock	
Operating ³	20G (2 ms)
Non-Operating	200G (2 ms)
Half sine wave measured in 2 ms duration, measured without isolation.	
Vibration	
Operating	5-20 Hz, 0.012 in. (dbl amp) 20-300 Hz, 0.25G (0 to peak)
Non-operating	5-20 Hz, 0.195 in. (dbl amp) 20-500 Hz, 4G (0 to peak)

Operating Temperature & Humidity	
Temperature	5° C to 55° C
Humidity	5-85% RH non-condensing
Thermal Gradient	20° C /hour max

Non-Operating Temperature & Humidity	
Temperature	-40° C to 65° C
Humidity	5-95% RH non-condensing
Thermal Gradient	30° C/hour

Acoustics (typical)	
Idle Mode ⁵	33 dBA average
Seek Mode ⁵	37 dBA average

Reliability/Warranty	
MTBF	500,000 POH
Warranty	1 year
AFR	<0.8%

Power Requirements (average)

Voltage:	5V (±5%), 12V (±10%)
Read/Write/Idle	4.6/4.6/4.0W
Standby	1.4W
Sleep	1.1W

Capacity

7.5 GB

Model Number

WD75DA



*Pending Certification



For service and literature:
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¹ Western Digital defines a megabyte (MB) as 1,000,000 bytes, and a gigabyte (GB) as 1,000,000,000 bytes.

² Maximum burst rate running the specified PIO, DMA, or Ultra ATA transfer mode.

³ On reads and writes.

⁴ No non-recoverable errors during operating tests or after non-operating tests.

⁵ Sound power level.