Highlights

- Reliable everyday computing
- Western Digital quality and reliability
- Free Acronis® True Image™ WD Edition cloning software
- Massive capacity up to 6TB[1]
- 2-year Limited Warranty[5]

INTERFACE	CAPACITIES
SATA 6 Gb/s	1TB to 6TB[1]

FORM FACTOR	PERFORMANCE CLASS
3.5-inch	5400 RPM Class
	7200 RPM Class

MODEL NUMBERS
WDBH2D0060HNC-NRSN
WDBH2D0040HNC-NRSN
WDBH2D0030HNC-NRSN
WDBH2D0020HNC-NRSN
WDBH2D0010HNC-NRSN

THE WESTERN DIGITAL ADVANTAGE

Western Digital puts our products through extensive Functional Integrity Testing (F.I.T.) prior to any product launch. This testing ensures our products consistently meet the highest quality and reliability standards of the Western Digital brand.

Western Digital also has a detailed Knowledge Base with more than 1,000 helpful articles as well as helpful software and utilities. Our customer support lines have longer operational hours to ensure you get the help you need when you need it. Our toll-free customer support lines are here to help or you can access our Western Digital Support site for additional details.

WD Blue™ 3.5-inch PC Hard Drives deliver solid reliability for office and web applications, and they are perfect for extra storage for desktop PC computing.

Tested for Compatibility

We perform tests on hundreds of systems and a multitude of platforms in our F.I.T. Lab™ to give our customers confidence that our drives will work in their systems.

Low Power Consumption

State-of-the-art seeking algorithms and advanced power management features help ensure low power consumption.

No Touch™ Ramp Load Technology

Safely positions the recording head off the disk surface to protect your data.

Upgrading Your Drive is Easy

Seamlessly migrate your current system to your new Western Digital drive using Acronis® True Image™ WD Edition cloning software, available as a free download on the WD Support site. This software enables you to copy all your data to a new drive so you don't have to reinstall your operating system to get all the benefits of a new drive.

2-Year Limited Warranty

As an industry-leading hard drive manufacturer, Western Digital stands behind their PC storage solutions with a 2-year limited warranty[5] included with every WD Blue hard drive.

WD Blue™ Desktop

Specifications

	6TB	4TB	3TB	2TB	1TB
Model Number[2]	WDBH2D0060HNC-NRSN	WDBH2D0040HNC-NRSN	WDBH2D0030HNC-NRSN	WDBH2D0020HNC-NRSN	WDBH2D0010HNC-NRSN
Formatted capacity[1]	6TB	4TB	3TB	2TB	1TB
Form factor	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes	Yes	Yes	Yes
RoHS compliant[3]	Yes	Yes	Yes	Yes	Yes
Performance					
Interface transfer rate (max)[1]					
Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Host to/from drive (sustained)	170 MB/s	175 MB/s	147 MB/s	147 MB/s	150 MB/s
Cache (MB)[1]	64	64	64	64	64
Performance Class	5400 RPM	5400 RPM	5400 RPM	5400 RPM	7200 RPM
Reliability/Data Integrity					
Load/unload cycles[4]	300,000	300,000	300,000	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10^{15}	<1 in 10^{14}	<1 in 10^{14}	<1 in 10^{14}	<1 in 10^{14}
Limited warranty (years)[5]	2	2	2	2	2
Power Management[6]					
Average power requirements (W)					
12VDC ±10% (A, peak)	1.75	1.75	1.73	1.73	2.5
Read/Write	5.3	4.5	4.1	4.1	6.8
Idle	3.4	2.9	3.0	3.0	6.1
Standby and Sleep	0.4	0.4	0.4	0.4	1.2
Environmental Specifications[7]					
Temperature (°C, on the base casting)					
Operating	0 to 60	0 to 60	0 to 60	0 to 60	0 to 60
Non-operating	-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
Operating (2 ms, read)	65	65	65	65	65
Non-operating (2 ms)	250	250	250	250	350
Acoustics (dBA)[8]					
Idle	25	23	23	23	29
Seek (average)	28	27	27	27	30
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
Length (in./mm, max)	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
Weight (lb/kg, ± 10%)	1.65/0.75	1.40/0.64	1.40/0.715	1.32/0.60	0.99/0.45

[1] As used for storage capacity, one gigabyte (GB) = one billion bytes and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second. Performance will vary depending on your hardware and software components and configurations. Effective maximum SATA 6 Gb/s transfer rate calculated according to the Serial ATA specification published by the SATA-IO organization as of the date of this specification sheet. Visit www.sata-io.org for details.

[2] Not all products may be available in all regions of the world.

[3] WD hard drive products manufactured and sold worldwide after June 8, 2011, meet or exceed Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU.

[4] Controlled unload at ambient condition.

[5] See http://support.wdc.com/warranty for regional specific warranty details.

[6] Power measurements at room-ambient temperature.

[7] No non-recoverable errors during operating tests or after non-operating tests.

[8] Sound power level.

Western Digital.

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Canada ICES-003 Class B / NMB-003 Classe B

2879–810040-A00   December 2019