



## WD Blue™ 3.5-inch PC HDD

WD Blue internal hard drives deliver solid reliability for office and web applications, and they are perfect for extra storage for desktop PCs and in-office applications.

### 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.

### NoTouch™ Ramp Load Technology

The recording head never touches the disk media, ensuring significantly less wear to the recording head and media as well as better drive protection in transit.

### Upgrading Your Drive Is Easy

Seamlessly migrate your current system to your new Western Digital drive using Acronis® True Image™ WD Edition software, available as a free download on the Western Digital 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.

### Two-Year Limited Warranty

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

## Product Highlights

- Reliable, everyday computing
- Western Digital quality and reliability
- Free Acronis® True Image™ WD Edition software
- Massive capacity up to 8TB<sup>1</sup>
- Two-year limited warranty<sup>2</sup>

# WD Blue™ 3.5-inch PC HDD

## PRODUCT BRIEF

## 3.5-INCH PC HARD DRIVE

### Specifications

	8TB	6TB	4TB	3TB	2TB
<b>Model Number<sup>3</sup></b>	WD80EAZZ	WD60EZZ	WD40EZZ	WD30EZZ	WD20EZZ
Recording Technology <sup>4</sup>	CMR	SMR	SMR	SMR	SMR
Formatted capacity <sup>1</sup>	8TB	6TB	4TB	3TB	2TB
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 <sup>5</sup>	Yes	Yes	Yes	Yes	Yes
<b>Performance</b>					
Interface speed	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Internal transfer rate <sup>6</sup> (max)	185 MB/s	180 MB/s	180 MB/s	180 MB/s	215 MB/s
Cache (MiB) <sup>7</sup>	128	256	256	256	256
RPM	5640	5400	5400	5400	7200
<b>Reliability/Data Integrity</b>					
Load/unload cycles <sup>8</sup>	300,000	300,000	300,000	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>
Limited warranty (years) <sup>2</sup>	2	2	2	2	2
<b>Power Management<sup>9</sup></b>					
Average power requirements (W)					
12VDC ±10% (A, peak)	1.75	1.75	1.75	1.75	1.75
Read/Write	6.2	4.8	4.8	4.8	5.6
Idle	4.1	3.1	3.1	3.1	3.7
Standby and Sleep	0.4	0.6	0.6	0.6	0.4
<b>Environmental Specifications<sup>10</sup></b>					
Temperature (°C, on the base casting)					
Operating	0 to 65	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, write)	70	30	30	30	30
Operating (2 ms, read)	70	65	65	65	65
Non-operating (2 ms)	250	250	250	250	350
Acoustics (dBA) <sup>11</sup>					
Idle	25	23	23	23	25
Seek (average)	30	27	27	27	27
<b>Physical Dimensions</b>					
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, ± 3%)	1.65/0.75	1.40/0.64	1.26/0.57	1.26/0.57	0.99/0.45

**Specifications subject to change without notice.**

<sup>1</sup> As used for storage capacity, 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

<sup>2</sup> See <http://support.wd.com/warranty> for regional specific warranty details.

<sup>3</sup> Not all products may be available in all regions of the world.

<sup>4</sup> Implementation of SMR for the following products using SMR recording technology is device-managed SMR.

<sup>5</sup> This hard drive product meets or exceeds Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU and Directive (EU) 2015/863.

<sup>6</sup> 1 MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.

<sup>7</sup> Memory capacity for cache is indicated in mebibytes (MiB) and one MiB is equal to 1,048,576 bytes.

<sup>8</sup> Controlled unload at ambient condition.

<sup>9</sup> Power measurements at room-ambient temperature.

<sup>10</sup> No non-recoverable errors during operating tests or after non-operating tests.

<sup>11</sup> Sound power level.

# WD Blue™ 3.5-inch PC HDD

## PRODUCT BRIEF

## 3.5-INCH PC HARD DRIVE

### Specifications

	2TB	1TB	1TB	500GB	500GB
<b>Model Number<sup>3</sup></b>	WD20EZZ	WD10EZRZ	WD10EZEX	WD5000AZRZ	WD5000AZLX
Recording Technology <sup>4</sup>	SMR	CMR	CMR	CMR	CMR
Formatted capacity <sup>1</sup>	2TB	1TB	1TB	500GB	500GB
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 <sup>5</sup>	Yes	Yes	Yes	Yes	Yes
<b>Performance</b>					
Interface speed	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Internal transfer rate <sup>6</sup> (max)	180 MB/s	150 MB/s	150 MB/s	150 MB/s	150 MB/s
Cache (MiB) <sup>7</sup>	256	64	64	64	32
RPM	5400	5400	7200	5400	7200
<b>Reliability/Data Integrity</b>					
Load/unload cycles <sup>8</sup>	300,000	300,000	300,000	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>
Limited warranty (years) <sup>2</sup>	2	2	2	2	2
<b>Power Management<sup>9</sup></b>					
Average power requirements (W)					
12VDC ±10% (A, peak)	1.31	1.2	2.5	1.2	1.77
Read/Write	4.1	3.3	6.8	3.3	6.8
Idle	2.3	2.5	6.1	2.5	6.1
Standby and Sleep	0.6	0.4	1.2	0.4	1.2
<b>Environmental Specifications<sup>10</sup></b>					
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, write)	30	30	30	30	30
Operating (2 ms, read)	65	65	65	65	65
Non-operating (2 ms)	350	350	350	350	350
Acoustics (dBA) <sup>11</sup>					
Idle	21	21	29	21	29
Seek (average)	26	24	30	22	30
<b>Physical Dimensions</b>					
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, ± 3%)	0.99/0.45	0.99/0.45	0.99/0.45	0.99/0.45	0.99/0.45

#### Specifications subject to change without notice.

<sup>1</sup> As used for storage capacity, 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.

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<sup>9</sup> Power measurements at room-ambient temperature.

<sup>10</sup> No non-recoverable errors during operating tests or after non-operating tests.

<sup>11</sup> Sound power level.

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