

# HP Designjet Z3200 PostScript Photo Printer series

Easy, consistent and cost-effective gallery-quality black-and-white and colour prints.



## Produce gallery-quality black-and-white and colour prints.

- Achieve colour and black-and-white print permanence of 200 years<sup>2</sup>. Print on a range of HP papers, from photo, fine art and coated to display-graphic printing materials.
- Create beautiful black-and-white prints with smooth transitions, deep blacks and neutral greys with the HP Quad-Black Ink set.
- Get superior gloss uniformity and minimise bronzing on most glossy photo papers with HP Gloss Enhancer<sup>3</sup>.
- Enjoy an expanded colour gamut which achieves 95% PANTONE<sup>®</sup> coverage<sup>4</sup> enabled by new chromatic red.

## Easily calibrate, profile and achieve accurate, consistent colours with HP DreamColor Technologies.

- Calibration and profiling are made simple with HP DreamColor Technologies and the embedded spectrophotometer<sup>1</sup> which helps you generate custom ICC profiles in-house.
- Simplify workflows: easily access, create, and share paper presets<sup>5</sup> using the enhanced HP Color Center.
- Create a customised PANTONE<sup>®</sup> simulation swatchbook<sup>6</sup> with HP Professional PANTONE Emulation<sup>7</sup>.
- Get questions answered with the HP Knowledge Center, and control colour settings with Adobe Photoshop CS<sup>8</sup>.

## Enables productive operation and great ink efficiency<sup>9</sup>.

- Print rich, dark blacks on matte and glossy papers without swapping ink cartridges.
- Save time and money: embedded TIFF, JPEG, and Adobe PS3/PDF RIP enables direct job submission, queueing and nesting<sup>8</sup>.
- Optimise performance and get great ink efficiency<sup>9</sup> with automatic servicing routines. An Optical Drop Detector (ODD) prevents nozzle clogging, printing errors and media waste.
- Efficiency-enhancing features include an HP Embedded Web Server and print previews which mean no trial and error.

<sup>1</sup> Embedded in this HP Designjet Photo Printer is an i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.

<sup>2</sup> Image permanence estimates by HP Image Permanence Lab based on testing on a range of HP photo, fine art, and specialty papers: confirmation tests in progress at Wilhelm Imaging Research, Inc. For details, see <http://www.hp.com/go/supplies/printpermanence>.

<sup>3</sup> Bronzing is minimised as an image-quality issue when HP gloss enhancer is used. HP gloss enhancer can be used on photo paper, with the exception of matte-finish papers.

<sup>4</sup> 95% coverage of PANTONE<sup>®</sup> MATCHING SYSTEM and PANTONE<sup>®</sup> Goe System, based on HP internal testing (PANTONE<sup>®</sup> approval pending). Please visit <http://www.hp.com/go/Z3200/PANTONE> for final results.

<sup>5</sup> Visit <http://www.hp.com/go/Z3200/paperpresets> to find paper presets for HP and other commercially available media.

<sup>6</sup> HP Professional PANTONE<sup>®</sup> Emulation, remote management, queue management, nesting, job submission and storage capabilities, and support for 16-bit TIFF and JPEG files are standard on HP Designjet Z3200ps Photo printers only.

<sup>7</sup> HP Professional PANTONE<sup>®</sup> Emulation is approved by PANTONE<sup>®</sup>. The PANTONE<sup>®</sup> MATCHING SYSTEM and PANTONE<sup>®</sup> Goe licence for the HP Designjet Z3200 Photo Printer is pending. Learn more at <http://www.hp.com/go/Z3200/PANTONE>.

<sup>8</sup> Avoid double colour management when using Adobe Photoshop CS Improved Printing Experience—co-developed by HP—for both Mac and Windows Vista. Check <http://www.hp.com/go/Z3200/solutions> for more details on the exact configurations supported.

<sup>9</sup> Based on internal HP testing, the HP Designjet Z3200 Photo Printer series utilises at least 30% less ink during routine maintenance operations versus select printers from other vendors.

# HP Designjet Z3200 PostScript Photo Printer series

## Technical specifications

Print	
Colour images	<b>Q6720B:</b> 17 m <sup>2</sup> /hr on coated media; 4.4 m <sup>2</sup> /hr on glossy media <b>Q6721B:</b> 17 m <sup>2</sup> /hr on coated media; 4.4 m <sup>2</sup> /hr on glossy media
Print resolution	Up to 2400 x 1200 optimized dpi
Margins (top x bottom x left x right)	Roll: 5 x 5 x 5 x 5 mm (borderless on photo roll media) Sheet: 5 x 17 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink types	Pigment-based
Ink colours	12 (blue, green, magenta, red, yellow, grey, photo black, matte black, light cyan, light grey, light magenta, gloss enhancer)
Ink drop	4 pl (l, m, lg, p, k, E, G), 6 pl (M, Y, mK, R, GN, B)
Print head nozzles	2112
Print heads	6 (magenta and yellow, light magenta and light cyan, photo black and light grey, matte black and red, gloss enhancer and grey, blue and green)
Line accuracy	+/- 0.2% of the specified vector length or +/- 0.3 mm (whichever is greater) at 23° C, 50-60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film roll feed (+/- 0.2% of the specified vector length or +/- 0.3 mm (whichever is greater) at 23° C, 50-60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film roll feed)
Guaranteed minimum line width	0.056 mm (ISO/IEC 13660:2001(E))
Maximum print length	91.4 m
Maximum optical density	2.5 maximum black optical density (4 L* min) (with HP Premium Instant Dry Photo Gloss media with Original HP inks)

Media	
Handling	Sheet feed; roll feed; media bin; automatic cutter (cuts all media except canvas)
Types	Photographic, proofing, fine art printing material, self-adhesive, banner and sign, bond and coated, technical, film, backlit, fabric/textile
Weight	Up to 500 g/m <sup>2</sup>
Size	<b>Q6720B:</b> 216 x 279 to 610 x 1676 mm; <b>Q6721B:</b> 216 x 279 to 1118 x 1676 mm;
Thickness	Up to 0.8 mm
Memory	
Standard	256 MB
Hard disk	Standard, 80 GB

Connectivity	
Interfaces (standard)	Gigabit Ethernet (1000Base-T); Hi-Speed USB 2.0 certified; EIO Jetdirect accessory slot
Interfaces (optional)	HP Jetdirect EIO print servers
Print languages (standard)	Adobe® PostScript® 3™, Adobe® PDF 1.6, TIFF, JPEG, HP PCL 3 GUI
Drivers included	Adobe® PostScript® 3™, HP PCL 3 GUI

Operating systems compatibility	
	Microsoft® Windows® 7 Ultimate / Professional / Home Premium, Windows® Vista® Ultimate / Business / Home Premium, Windows® XP (32/64-bit) Home and Professional, Windows® Server 2008 (32/64-bit), Windows® Server 2008 R2, Windows® Server 2003 (32/64-bit); Mac OS X v10.4, v10.5, v10.6, v10.7; Citrix® XenApp; Citrix® XenServer

Environmental ranges	
Operating temperature	5 to 40° C
Recommended operating temperature	15 to 35° C
Storage temperature	-25 to 55° C
Operating humidity	20 to 80% RH
Recommended operating humidity	20 to 80% RH
Storage humidity	0 to 95% RH

Acoustic	
Sound Pressure	49 dB(A) (active), 29 dB(A) (standby)
Sound Power	6.5 B(A) (active/printing), 4.4 B(A) (standby)

Dimensions (w x d x h)	
Printer	<b>Q6720B:</b> 1262 x 690 x 1047 mm; <b>Q6721B:</b> 1770 x 690 x 1047 mm;
Packaged	<b>Q6720B:</b> 1470 x 780 x 740 mm; <b>Q6721B:</b> 1965 x 780 x 780 mm;

Weight	
Printer	<b>Q6720B:</b> 65 kg; <b>Q6721B:</b> 86 kg;
Packaged	<b>Q6720B:</b> 102 kg; <b>Q6721B:</b> 123 kg;

Power consumption	
Maximum	200 watts maximum (active/printing); 0 watts (off)
Power requirements	Input voltage (auto ranging): 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A maximum

What's in the box	
<b>Q6720B</b>	HP Designjet Z3200 Photo Printer; spindle; printheads; introductory ink cartridges; Original HP media roll; printer stand; rear tray; 3-in core adapter; quick reference guide; setup poster; USB cable; power cord; HP Start-up kit including printer software
<b>Q6721B</b>	HP Designjet Z3200 Photo Printer; spindle; printheads; introductory ink cartridges; Original HP media roll; printer stand; rear tray; 3-in core adapter; quick reference guide; setup poster; USB cable; power cord; HP Start-up kit including printer software

Certification	
Safety	IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, Russia GOST
Electromagnetic	Compliant with Class A requirements, including: EU (EMC Directive)
Environmental	ENERGY STAR®; WEEE; EU RoHS; REACH; FEMP
ENERGY STAR	Yes
Warranty	
	One-year warranty with on-site, next business-day service. Warranty and support options vary by product, country and local legal requirements.

## Ordering information

Product	
<b>Q6720B</b>	HP Designjet Z3200ps 610 mm Photo Printer
<b>Q6721B</b>	HP Designjet Z3200ps 1118 mm Photo Printer
Accessories	
<b>Q6699A</b>	HP Designjet Zx100 44-in Spindle for Graphics
<b>Q6700A</b>	HP Designjet Z/T1xxx/T6xx 24-in Spindle
Ink supplies	
<b>C9405A</b>	HP 70 Light Magenta and Light Cyan Printhead
<b>C9406A</b>	HP 70 Magenta and Yellow Printhead
<b>C9407A</b>	HP 70 Photo Black and Light Gray Printhead
<b>C9408A</b>	HP 70 Blue and Green Printhead
<b>CD949A</b>	HP 73 Matte Black and Chromatic Red Printhead
<b>C9410A</b>	HP 70 Gloss Enhancer and Gray Printhead
<b>C9448A</b>	HP 70 130-ml Matte Black Ink Cartridge
<b>C9449A</b>	HP 70 130-ml Photo Black Ink Cartridge
<b>C9450A</b>	HP 70 130-ml Gray Ink Cartridge
<b>C9451A</b>	HP 70 130-ml Light Gray Ink Cartridge
<b>C9453A</b>	HP 70 130-ml Magenta Ink Cartridge
<b>C9454A</b>	HP 70 130-ml Yellow Ink Cartridge
<b>C9455A</b>	HP 70 130-ml Light Magenta Ink Cartridge
<b>CD951A</b>	HP 73 130-ml Chromatic Red Ink Cartridge
<b>C9457A</b>	HP 70 130-ml Green Ink Cartridge
<b>C9458A</b>	HP 70 130-ml Blue Ink Cartridge
<b>C9459A</b>	HP 70 130-ml Gloss Enhancer Ink Cartridge
<b>C9390A</b>	HP 70 130-ml Light Cyan Ink Cartridge

Media supplies	
<b>Q7991A</b>	HP Premium Instant-dry Gloss Photo Paper-610 mm x 22.9 m (24 in x 75 ft)
<b>Q7972A</b>	HP Matte Litho-realistic Paper-610 mm x 30.5 m (24 in x 100 ft)
<b>Q8673A</b>	HP Professional Matte Canvas-610 mm x 6.1 m (24 in x 20 ft)

Service & support	
<b>UF035E</b>	- HP 3 year Next Business Day Onsite Designjet Z3x00 Hardware Support
<b>UF036E</b>	- HP 4 year Next Business Day Onsite Designjet Z3x00 Hardware Support
<b>UF037E</b>	- HP 5 year Next Business Day Onsite Designjet Z3x00 Hardware Support
<b>UF041E</b>	- HP 3 year 4 hour response 13x5 Onsite Designjet Z3x00 Hardware Support
<b>UF045PE</b>	- HP 1 year Post Warranty 4 Hour Response 13x5 Onsite Designjet Z3x00 Hardware Support
<b>UF046PE</b>	- HP 1 year Post Warranty Next Business Day Onsite Designjet Z3x00 Hardware Support
<b>H4518E</b>	- HP Network Installation Designjet T23-71XX/400-6200 Service
<b>H7604E</b>	- HP Physical Install Designjet T23-71XX/400-6200 Service

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<b>UF035E</b>	- HP 3 year Next Business Day Onsite Designjet Z3x00 Hardware Support
<b>UF036E</b>	- HP 4 year Next Business Day Onsite Designjet Z3x00 Hardware Support
<b>UF037E</b>	- HP 5 year Next Business Day Onsite Designjet Z3x00 Hardware Support
<b>UF041E</b>	- HP 3 year 4 hour response 13x5 Onsite Designjet Z3x00 Hardware Support
<b>UF045PE</b>	- HP 1 year Post Warranty 4 Hour Response 13x5 Onsite Designjet Z3x00 Hardware Support
<b>UF046PE</b>	- HP 1 year Post Warranty Next Business Day Onsite Designjet Z3x00 Hardware Support
<b>H4518E</b>	- HP Network Installation Designjet T23-71XX/400-6200 Service
<b>H7604E</b>	- HP Physical Install Designjet T23-71XX/400-6200 Service

HP Designjet Support Services offer solutions for business critical environments - installation, extended support and maintenance, as well as variety of value added services. For more information, please visit [hp.com/go/designjet/support](http://hp.com/go/designjet/support).

Use Original HP inks and printheads to experience consistent high quality and reliable performance that enable less downtime. For more information, visit [hp.com/go/OriginalHPInks](http://hp.com/go/OriginalHPInks).



For the entire HP Large Format Printing Materials portfolio, please see [globalBMG.com/hp](http://globalBMG.com/hp).

For more HP Large Format Media substrates and sizes please visit us online at: <http://www.hp.com/go/designjet/supplies>

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4AA2-1311EEE Published in EMEA March 2014

