

# 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>6</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

|                                        |                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Print</b>                           |                                                                                                                                                                                                                                                                                                                                      |
| Colour images                          | <b>Q6720B:</b> 17 m <sup>2</sup> /hr on coated media; 4.4 m <sup>2</sup> /hr on glossy media<br><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 optimised dpi from 1200 x 1200 input dpi with maximum detail selected                                                                                                                                                                                                                                              |
| Margins (top x bottom x left x right)  | Roll: 5 x 5 x 5 x 5 mm (full bleed on glossy/satin roll media)<br>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, pK, 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                                                                                                                                          |
| 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 Gloss Photo media                                                                                                                                                                                                                                           |
| <b>Media</b>                           |                                                                                                                                                                                                                                                                                                                                      |
| Handling                               | Sheet feed, roll feed, 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                                                                                                                                                                                                                                                                                                                         |
| <b>Memory</b>                          |                                                                                                                                                                                                                                                                                                                                      |
| Standard                               | 256 MB                                                                                                                                                                                                                                                                                                                               |
| Hard disk                              | Standard, 80 GB                                                                                                                                                                                                                                                                                                                      |
| <b>Connectivity</b>                    |                                                                                                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                                                                                                                  |
| <b>Operating systems compatibility</b> |                                                                                                                                                                                                                                                                                                                                      |
|                                        | 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 |
| <b>Recommended system requirements</b> |                                                                                                                                                                                                                                                                                                                                      |
| Mac                                    | Mac OS X v10.4, v10.5; PowerPC G3 or Intel® Core™ Processor, 256 MB RAM, 1 GB available hard disk space                                                                                                                                                                                                                              |
| Windows                                | Microsoft® Windows® XP Home, XP Professional; Intel® Pentium® 4, 1 GHz, 512 MB RAM, 2 GB available hard disk space                                                                                                                                                                                                                   |
| <b>Environmental ranges</b>            |                                                                                                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                                                                                                                                          |
| <b>Acoustic</b>                        |                                                                                                                                                                                                                                                                                                                                      |
| Sound Pressure                         | 49 dB(A) (active), 29 dB(A) (standby)                                                                                                                                                                                                                                                                                                |
| Sound Power                            | 6.5 B(A) (active/printing), 4.4 B(A) (standby)                                                                                                                                                                                                                                                                                       |

|                               |                                                                                                                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>What's in the box</b>      |                                                                                                                                                                                                                                                                 |
| Q6720B                        | 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 |
| Q6721B                        | 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>Dimensions (w x d x h)</b> |                                                                                                                                                                                                                                                                 |
| 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;                                                                                                                                                                                         |
| <b>Weight</b>                 |                                                                                                                                                                                                                                                                 |
| Printer                       | <b>Q6720B:</b> 65 kg; <b>Q6721B:</b> 86 kg;                                                                                                                                                                                                                     |
| Packaged                      | <b>Q6720B:</b> 102 kg; <b>Q6721B:</b> 123 kg;                                                                                                                                                                                                                   |
| <b>Power consumption</b>      |                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                        |
| <b>Certification</b>          |                                                                                                                                                                                                                                                                 |
| Safety                        | IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, Russia GOST                                                                                                                                                                                             |
| Electromagnetic               | Compliant with Class A requirements, including: EU (EMC Directive)                                                                                                                                                                                              |
| ENERGY STAR                   | Yes                                                                                                                                                                                                                                                             |
| <b>Warranty</b>               |                                                                                                                                                                                                                                                                 |
|                               | One-year warranty with on-site, next business-day service. Warranty and support options vary by product, country and local legal requirements.                                                                                                                  |

## Ordering information

|                              |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| <b>Product</b>               |                                                                                     |
| Q6720B                       | HP Designjet Z3200ps 610 mm Photo Printer                                           |
| Q6721B                       | HP Designjet Z3200ps 1118 mm Photo Printer                                          |
| <b>Accessories</b>           |                                                                                     |
| Q6699A                       | HP Designjet Zx100 44-in Spindle for Graphics                                       |
| Q6700A                       | HP Designjet Z/T1xxx/T6xx 24-in Spindle                                             |
| <b>Ink supplies</b>          |                                                                                     |
| Q9405A                       | HP 70 Light Magenta and Light Cyan Printhead                                        |
| Q9406A                       | HP 70 Magenta and Yellow Printhead                                                  |
| Q9407A                       | HP 70 Photo Black and Light Grey Printhead                                          |
| Q9408A                       | HP 70 Blue and Green Printhead                                                      |
| CD949A                       | HP 73 Matte Black and Chromatic Red Printhead                                       |
| Q9410A                       | HP 70 Gloss Enhancer and Grey Printhead                                             |
| Q9448A                       | HP 70 130-ml Matte Black Ink Cartridge                                              |
| Q9449A                       | HP 70 130-ml Photo Black Ink Cartridge                                              |
| Q9450A                       | HP 70 130-ml Grey Ink Cartridge                                                     |
| Q9451A                       | HP 70 130-ml Light Grey Ink Cartridge                                               |
| Q9453A                       | HP 70 130-ml Magenta Ink Cartridge                                                  |
| Q9454A                       | HP 70 130-ml Yellow Ink Cartridge                                                   |
| Q9455A                       | HP 70 130-ml Light Magenta Ink Cartridge                                            |
| CD951A                       | HP 73 130-ml Chromatic Red Ink Cartridge                                            |
| Q9457A                       | HP 70 130-ml Green Ink Cartridge                                                    |
| Q9458A                       | HP 70 130-ml Blue Ink Cartridge                                                     |
| Q9459A                       | HP 70 130-ml Gloss Enhancer Ink Cartridge                                           |
| Q9390A                       | HP 70 130-ml Light Cyan Ink Cartridge                                               |
| <b>Media supplies</b>        |                                                                                     |
| Q7991A                       | HP Premium Instant-dry Gloss Photo Paper-610 mm x 22.9 m (24 in x 75 ft)            |
| Q7972A                       | HP Matte Litho-realistic Paper-610 mm x 30.5 m (24 in x 100 ft)                     |
| Q8673A                       | HP Professional Matte Canvas-610 mm x 6.1 m (24 in x 20 ft)                         |
| <b>Service &amp; support</b> |                                                                                     |
| UF035E                       | - HP 3 year Next Business Day Onsite Designjet Z3x00 Hardware Support               |
| UF036E                       | - HP 4 year Next Business Day Onsite Designjet Z3x00 Hardware Support               |
| UF037E                       | - HP 5 year Next Business Day Onsite Designjet Z3x00 Hardware Support               |
| UF041E                       | - HP 3 year 4 hour response 13x5 Onsite Designjet Z3x00 Hardware Support            |
| UF045PE                      | - HP 1 year Post Warranty Next Business Day Onsite Designjet Z3x00 Hardware Support |
| UF046PE                      | - HP 1 year Post Warranty Next Business Day Onsite Designjet Z3x00 Hardware Support |
| H4518E                       | - HP Network Installation Designjet T23-T1XX/400-6200 Service                       |
| H7604E                       | - HP Physical Install Designjet T23-T1XX/400-6200 Service                           |

Count on dependable support to create the best image possible. We can help you enhance your printing and imaging environment, protect your IT investment, and grow your business—with expert support that's affordable, personal, and tailored to your needs through HP Care Pack Services.

Est. 1991

DESIGNSUPPLY

supporting creativity

0800 018 23 23

sales@designsupply.com



For more information, please visit <http://www.hp.com/go/designjetz3200>

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

© Copyright 2013 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

4AA2-1311EEE Published in EMEA June 2013

